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Version 2.1, February 1999

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That's all there is to it!

This is the Debian package for libsepol, and it is built from sources obtained from <http://userspace.selinuxproject.org/releases/current/devel/>

This package was debianized by Russell Coker <russell@coker.com.au> on
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1.3 libpwquality 1.4.2-1build1

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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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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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```

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*/

/* checkTag : validation tool for libzstd
* command :
* $ ./checkTag tag
* checkTag validates tags of following format : v[0-9].[0-9].[0-9]{any}
* The tag is then compared to zstd version number.
* They are compatible if first 3 digits are identical.
* Anything beyond that is free, and doesn't impact validation.
* Example : tag v1.8.1.2 is compatible with version 1.8.1
* When tag and version are not compatible, program exits with error code 1.
* When they are compatible, it exists with a code 0.
* checkTag is intended to be used in automated testing environment.
*/

```

1.5 cron 3.0pl1 136ubuntu1

1.5.1 Available under license :

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*/

```

\$Id: INSTALL,v 2.5 1994/01/15 20:43:43 vixie Exp \$

Read the comments at the top of the Makefile, then edit the area marked 'configurable stuff'.

Edit config.h. The stuff I expect you to change is down a bit from the top of the file, but it's clearly marked. Also look at pathnames.h.

You don't have to create the /var/cron or /var/cron/tabs directories, since

both the daemon and the `crontab' program will do this the first time they run if they don't exist. You do need to have a /var, though -- just "mkdir /var" if you don't have one, or you can "mkdir /usr/var; ln -s /usr/var /var" if you expect your /var to have a lot of stuff in it.

You will also need /usr/local/etc and /usr/local/bin directories unless you change the Makefile. These will have to be created by hand, but if you are a long-time Usenet user you probably have them already. /usr/local/man is where I keep my man pages, but I have the source for `man' and you probably do not. Therefore you may have to put the man pages into /usr/man/man1, which will be hard since there will be name collisions. (Note that the man command was originally written by Bill Joy before he left Berkeley, and it contains no AT&T code, so it is in UUNET's archive of freely-distributable BSD code.)

LINUX note: /usr/include/paths.h on some linux systems shows _PATH_SENDMAIL to be /usr/bin/sendmail even though sendmail is installed in /usr/lib. you should check this out.

say:
make all

su and say:
make install

Note that if I can get you to "su and say" something just by asking, you have a very serious security problem on your system and you should look into it.

Edit your /usr/lib/crontab file into little pieces -- see the CONVERSION file for help on this.

Use the `crontab' command to install all the little pieces you just created. Some examples (see below before trying any of these!)

```
crontab -u uucp -r /usr/lib/uucp/crontab.src
crontab -u news -r /usr/lib/news/crontab.src
crontab -u root -r /usr/adm/crontab.src
```

Notes on above examples: (1) the .src files are copied at the time the command is issued; changing the source files later will have no effect until they are reinstalled with another `crontab -r' command. (2) The crontab command will affect the crontab of the person using the command unless `USER' is given; `-u' only works for root. When using most `su' commands under most BSD's, `crontab' will still think of you as yourself even though you may think of yourself as root -- so use `-u' liberally. (3) the `-r' option stands for `replace'; check the man page for crontab(1) for other possibilities.

Kill your existing cron daemon -- do `ps aux` and look for /etc/cron.

Edit your /etc/rc or /etc/rc.local, looking for the line that starts up /etc/cron. Comment it out and add a line to start the new cron daemon -- usually /usr/local/etc/cron, unless you changed it in the Makefile.

Start up this cron daemon yourself as root. Just type /usr/local/etc/cron (or whatever); no '&' is needed since the daemon forks itself and the process you executed returns immediately.

ATT notes: for those people unfortunate enough to be stuck on a AT&T UNIX, you will need the public-domain "libndir", found in the B News source and in any comp.sources.unix archive. You will also need to hack the code some.

Found in path(s):

```
* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/INSTALL
```

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# * I'll try to keep a version up to date. I can be reached as follows:
# * Paul Vixie    <paul@vix.com>    uunet!decwrl!vixie!paul
# */
```

Vixie Cron V3.0

December 27, 1993

[V2.2 was some time in 1992]

[V2.1 was May 29, 1991]

[V2.0 was July 5, 1990]

[V2.0-beta was December 9, 1988]

[V1.0 was May 6, 1987]

Paul Vixie

This is a version of 'cron' that is known to run on BSD 4.[23] systems. It is functionally based on the SysV cron, which means that each user can have their own crontab file (all crontab files are stored in a read-protected

directory, usually /var/cron/tabs). No direct support is provided for 'at'; you can continue to run 'atrun' from the crontab as you have been doing. If you don't have atrun (i.e., System V) you are in trouble.

A messages is logged each time a command is executed; also, the files "allow" and "deny" in /var/cron can be used to control access to the "crontab" command (which installs crontabs). It hasn't been tested on SysV, although some effort has gone into making the port an easy one.

This is more or less the copyright that USENET contributed software usually has. Since ATT couldn't use this version if they had to freely distribute source, and since I'd love to see them use it, I'll offer some ridiculously low license fee just to have them take it. In the unlikely event that they do this, I will continue to support and distribute the pseudo-PD version, so please, don't flame me for wanting my work to see a wider distribution.

To use this: Sorry, folks, there is no cutesy 'Configure' script. You'll have to go edit a couple of files... So, here's the checklist:

Read all the FEATURES, INSTALL, and CONVERSION files

Edit config.h

Edit Makefile

(both of these files have instructions inside; note that some things in config.h are definable in Makefile and are therefore surrounded by #ifndef...#endif)

'make'

'su' and 'make install'

(you may have to install the man pages by hand)

kill your existing cron process

(actually you can run your existing cron if you want, but why?)

build new crontabs using /usr/lib/{crontab,crontab.local}

(either put them all in "root"'s crontab, or divide it up and rip out all the 'su' commands, collapse the lengthy lists into ranges with steps -- basically, this step is as much work as you want to make it)

start up the new cron

(must be done as root)

watch it. test it with 'crontab -r' and watch the daemon track your changes.

if you like it, change your /etc/{rc,rc.local} to use it instead of the old one.

\$Id: README,v 2.3 1993/12/28 08:34:43 vixie Exp \$

Found in path(s):

* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/README

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.\\" * Send bug reports, bug fixes, enhancements, requests, flames, etc., and
.\\" * I'll try to keep a version up to date. I can be reached as follows:
.\\" * Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
.\\" */
.\\"
.\\" $Id: crontab.1,v 2.4 1993/12/31 10:47:33 vixie Exp $
.\\"
```

Found in path(s):

```
* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/crontab.1
```

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* I'll try to keep a version up to date. I can be reached as follows:
* Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
*/
```

Found in path(s):

```
* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/compat.h
```

```
* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-
```

3.0pl1.orig/externs.h

* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-

3.0pl1.orig/pathnames.h

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.\"

.\" @(#)bitstring.3 5.1 (Berkeley) 12/13/89

.\"

Found in path(s):

* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-

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* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/do_command.c
* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/env.c
* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/misc.c
* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/job.c
* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/entry.c
* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/cron.c
* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/config.h
* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/database.c
* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/crontab.c
* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/cron.h
* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/user.c
* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/compat.c

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*
* @(#)bitstring.h 5.2 (Berkeley) 4/4/90
*/
```

Found in path(s):

```
*/opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/bitstring.h
```

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*/
```

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```
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```

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.\" */
.\"
.\" $Id: crontab.5,v 2.4 1994/01/15 20:43:43 vixie Exp $
.\"

```

Found in path(s):

```

* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/crontab.5

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.\" */
.\"
.\" $Id: cron.8,v 2.2 1993/12/28 08:34:43 vixie Exp $
.\"

```

Found in path(s):

```

* /opt/cola/permits/1223164981_1635867556.65/0/cron-3-0p11-orig-tar-bz2/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/cron.8

```

1.6 pcre 8.39-12ubuntu0.1

1.6.1 Available under license :

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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

University of Cambridge Computing Service,
Cambridge, England.

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1.7 xz 5.2.4 1ubuntu1.1

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Upstream-Name: XZ Utils

Upstream-Contact:

Lasse Collin <lasse.collin@tukaani.org>

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

Source:

<https://tukaani.org/xz>

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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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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),
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Files: po/Makevars

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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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1.11 grep 3.4 1

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1.16 pam 1.3.1-5ubuntu4.3

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1.17 libseccomp 2.5.1-1ubuntu1~20.04.2

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A. HISTORY OF THE SOFTWARE

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

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>)

in Reston, Virginia where he released several versions of the software.

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

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

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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text-utils/hexdump.c
text-utils/hexdump.h
text-utils/hexdump-conv.c
text-utils/hexdump-display.c
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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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

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

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Version 3, 29 June 2007

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Version 3, 29 June 2007

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1.23 gzip 1.10 Ubuntu4.1

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1.24 bzip2 1.0.8 2

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bzip2/libbzip2 version 1.0.8 of 13 July 2019

1.25 file 5.38-4

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1.26 debianutils 4.9.1

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1.27 libunistring 0.9.10 2

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1.29 p11-kit 0.23.20-1ubuntu0.1

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1.30 sysv-init 2.96-2.1ubuntu1

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Upstream-Name: sensible-utils

Upstream-Contact: Anibal Monsalve Salazar <anibal@debian.org>

Source: <https://alioth.debian.org/projects/collab-maint/sensible-utils.git>

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1.33 cracklib 2.9.6-3.2

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20

GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists

=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.=20

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:15 PM

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license

>=20

> looks like 2.8.11 is out and marked as "GPL-2" ... releasing

> libraries under

> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan wrote:

> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
=20
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=20
applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=20Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan
=20

Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>=20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
>> I understand that, and you're welcome to bring it up with Alec
> directly
>> and see if he wants to relicense his code as LGPL... but at this
> point,
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> place of a
> library to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I think it is in everyone's best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>> Seems like the ideal thing here would be for you and the other distro
>> maintainers to get together with Alec in a conversation and come to a
>> decision as to what licensing scheme y'all want. I haven't really done
>> much other than cleaning up the packaging and patches and a small
>> bit of
>> additional code, so whatever licensing y'all come up with is fine
>> by me.
>
> I am sympathetic. Guys, what do you reckon?
>
> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>>> Seems like the ideal thing here would be for you and the other distro
>>> maintainers to get together with Alec in a conversation and come to a
>>> decision as to what licensing scheme y'all want. I haven't really done
>>> much other than cleaning up the packaging and patches and a small
>>> bit of
>>> additional code, so whatever licensing y'all come up with is fine
>>> by me.

>>

>> I am sympathetic. Guys, what do you reckon?

>>

>> What I am hearing so far is that LGPL makes sense, since it can be
>> linked with any code, not just GPL...

>

> My apologies for not chiming in in anything resembling a reasonable
> timeframe.

>

> I'd also suggest the LGPL, for the reason you noted above. Alternately,
> GPLv2 with the option of using the library under a later version of the
> GPL would permit applications which were released under version 3 of the
> GPL to use the library, too, which would be sufficient for the packages
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.

>

> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
the change now ?

-mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

>> In any case, I thank you both for working on sorting this out.

>

> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML

On Sunday 05 October 2008, Alec Muffett wrote:

> >> In any case, I thank you both for working on sorting this out.
> >
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
> > make the change now ?
>
> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...
-mike

BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

From alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])

by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtpr020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 1IcOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

>
> ----- Forwarded message -----
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
>
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

1.34 glibc 2.31-0ubuntu9.9

1.34.1 Available under license :

/* Test program for the gcc interface.

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1.36 libffi 3.3 4

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The End

1.39 mime-support 3.64ubuntu1

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1.40 gosu 1.10-1ubuntu0.20.04.1

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1.41 libcrypt 4.4.10-10ubuntu4

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1.42 runc 1.0.3

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1.43 adduser 3.118ubuntu2

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#+STARTUP: showall
```

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.45 dash 0.5.10.2 6

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1.46 apt 2.0.9

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1.47 systemd 245.4 4ubuntu3.17

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1.50 procps 3.3.16-1ubuntu2.3

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1.52 libpython3-8-minimal 3.8.10- 0ubuntu1~20.04.5

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A. HISTORY OF THE SOFTWARE

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

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

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

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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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1.53 libcap-ng 0.7.9 2.1build1

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1.55 cdebconf 0.251ubuntu1

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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>
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1.56 Iz4 1.9.2 2ubuntu0.20.04.1

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

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

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

Files: *

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1.57 e2fsprogs 1.45.5 2ubuntu1.1

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

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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_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)/$(BSD_LIB)
@-$(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)
```

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

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

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

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

*/

/*

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

- trivial database library - private includes

-

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23-June-2007

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

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

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

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

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

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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Gadi Oxman, August 1995

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```
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Files: *

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

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

This package is used for testing builds of `ncurses`.

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

Files: *

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Files: `aclocal.m4` package

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

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-- vile:txtmode fc=72
-- \$Id: COPYING,v 1.9 2020/02/08 13:34:12 tom Exp \$

1.59 gnutls 3.6.13-2ubuntu1.7

1.59.1 Available under license :

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```
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Version 2.1, February 1999

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```
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## version 0.1  
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1.60 libssl 1.1.1f-1ubuntu2.12

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Version 2, June 1991

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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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```
<signature of Ty Coon>, 1 April 1990
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gfdl(7), fsf-funding(7).

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DRuntime: Runtime Library for the D Programming Language

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`ftp://gcc.gnu.org/pub/gcc/releases/` (for full releases)
`svn://gcc.gnu.org/svn/gcc/` (for prereleases)
`ftp://sourceware.org/pub/newlib/` (for newlib)
`git://git.savannah.gnu.org/gm2.git` (for Modula-2)

The current gcc-9 source package is taken from the SVN gcc-9-branch.

Changes: See `changelog.Debian.gz`

Debian splits the GNU Compiler Collection into packages for each language, library, and documentation as follows:

Language	Compiler package	Library package	Documentation
Ada	gnat-9	libgnat-9	gnat-9-doc
BRIG	gccbrig-9	libhsail-rt0	
C	gcc-9	gcc-9-doc	
C++	g++-9	libstdc++6	libstdc++6-9-doc
D	gdc-9		
Fortran 95	gfortran-9	libgfortran3	gfortran-9-doc

Go gccgo-9 libgo0
 Objective C gobjc-9 libobjc2
 Objective C++ gobjc++-9
 Modula-2 gm2-9 libgm2

For some language run-time libraries, Debian provides source files, development files, debugging symbols and libraries containing position-independent code in separate packages:

Language	Sources	Development	Debugging	Position-Independent
C++		libstdc++6-9-dbg	libstdc++6-9-pic	
D	libphobos-9-dev			

Additional packages include:

All languages:

libgcc1, libgcc2, libgcc4	GCC intrinsics (platform-dependent)
gcc-9-base	Base files common to all compilers
gcc-9-soft-float	Software floating point (ARM only)
gcc-9-source	The sources with patches

Ada:

libgnatvsn-dev, libgnatvsn9 GNAT version library

C:

cpp-9, cpp-9-doc	GNU C Preprocessor
libssp0-dev, libssp0	GCC stack smashing protection library
libquadmath0	Math routines for the __float128 type
fixincludes	Fix non-ANSI header files

C, C++ and Fortran 95:

libgomp1-dev, libgomp1 GCC OpenMP (GOMP) support library
 libitm1-dev, libitm1 GNU Transactional Memory Library

Biarch support: On some 64-bit platforms which can also run 32-bit code, Debian provides additional packages containing 32-bit versions of some libraries. These packages have names beginning with 'lib32' instead of 'lib', for example lib32stdc++6. Similarly, on some 32-bit platforms which can also run 64-bit code, Debian provides additional packages with names beginning with 'lib64' instead of 'lib'. These packages contain 64-bit versions of the libraries. (At this time, not all platforms and not all libraries support biarch.) The license terms for these lib32 or lib64 packages are identical to the ones for the lib packages.

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- libatomic
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- * Cygnus Support, drepper@cygnus.com.

cosq_kernel.c, expq.c, sincos_table.c, sincosq.c, sincosq_kernel.c,
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log10q.c:

Cephes Math Library Release 2.2: January, 1991

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Adapted for glibc November, 2001

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D:
gdc-9 GNU D Compiler
libphobos-9-dev D standard runtime library

The D source package is made up of the following components.

The D front-end for GCC:
- d/*

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The DMD Compiler implementation of the D programming language:
- d/dmd/*

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The Zlib data compression library:
- d/phobos/etc/c/zlib/*

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The Phobos standard runtime library:

- d/phobos/*

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Upstream Authors:

newlib@sources.redhat.com

Jeff Johnston <jjohnstn@redhat.com>

Tom Fitzsimmons <fitzsim@redhat.com>

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ARCFOUR

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CAMELLIA

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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

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MD2

The implementation of MD2 is written by Andrew Kuchling, and hacked

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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.

MD5

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SHA1

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SHA224, SHA256, SHA384, and SHA512

Written by Niels Miller, 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

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1.67 libudev 245.4-4

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2008 Michael Wu <flamingice@sourmilk.net>

2008 Luis Carlos Cobo <luisca@cozybit.com>

2008 Michael Buesch <m@bues.ch>

2008, 2009 Luis R. Rodriguez <lrodriguez@atheros.com>

2008 Jouni Malinen <jouni.malinen@atheros.com>

2008 Colin McCabe <colin@cozybit.com>

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2007 Oracle.

2009 Wolfgang Grandegger <wg@grandegger.com>

1999 Thomas Davis <tadavis@lbl.gov>

2015 Sabrina Dubroca <sd@queasynail.net>

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1.68 tdb 1.45.5

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1.69 python3.8 3.8.10-0ubuntu1~20.04.5

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

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

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1.3 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
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```
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```

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1.71 selinux 3.0-1build2

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1.74 libgrypt 1.8.5 Ubuntu1.1

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=====

LIBGCRYPT Werner Koch 2001-06-07
Assigns past and future changes.
Assignment for future changes terminated on 2012-12-04.
wk@gnupg.org
Designed and implemented Libgcrypt.

GNUPG Matthew Skala 1998-08-10
Disclaims changes.
mskala@ansuz.sooke.bc.ca
Wrote cipher/twofish.c.

GNUPG Natural Resources Canada 1998-08-11
Disclaims changes by Matthew Skala.

GNUPG Michael Roth Germany 1998-09-17
Assigns changes.
mroth@nessie.de
Wrote cipher/des.c.
Changes and bug fixes all over the place.

GNUPG Niklas Hernaes 1998-09-18
Disclaims changes.
nh@df.lth.se
Weak key patches.

GNUPG Rmi Guyomarch 1999-05-25
Assigns past and future changes. (g10/compress.c, g10/encr-data.c,
g10/free-packet.c, g10/mdfilter.c, g10/plaintext.c, util/iobuf.c)
rguyom@mail.dotcom.fr

ANY g10 Code GmbH 2001-06-07
Assignment for future changes terminated on 2012-12-04.
Code marked with ChangeLog entries of g10 Code employees.

LIBGCRYPT Timo Schulz 2001-08-31
Assigns past and future changes.

twoaday@freakmail.de

LIBGCRYPT Simon Josefsson 2002-10-25

Assigns past and future changes to FSF (cipher/{md4,crc}.c, CTR mode, CTS/MAC flags, self test improvements)

simon@josefsson.org

LIBGCRYPT Moritz Schulte 2003-04-17

Assigns past and future changes.

moritz@g10code.com

GNUTLS Nikolaos Mavrogiannopoulos 2003-11-22

nmav@gnutls.org

Original code for cipher/rfc2268.c.

LIBGCRYPT The Written Word 2005-04-15

Assigns past and future changes. (new: src/libcrypt.pc.in, src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S, mpi/hppa1.1/udiv-qrnnd.S, mpi/hppa1.1/mpih-mul2.S, mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c, tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c, tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

LIBGCRYPT Brad Hards 2006-02-09

Assigns Past and Future Changes

bradh@frogmouth.net

(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex. added SHA-224, changed cipher/sha256.c, added HMAC tests.)

LIBGCRYPT Hye-Shik Chang 2006-09-07

Assigns Past and Future Changes

perky@freebsd.org

(SEED cipher)

LIBGCRYPT Werner Dittmann 2009-05-20

Assigns Past and Future Changes

werner.dittmann@t-online.de

(mpi/amd64, tests/mpitests.c)

GNUPG David Shaw

Assigns past and future changes.

dshaw@jabberwocky.com

(cipher/camellia-glue.c and related stuff)

LIBGCRYPT Andrey Jivsov 2010-12-09

Assigns Past and Future Changes

openpgp@brainhub.org

(cipher/ecc.c and related files)

LIBGCRYPT Ulrich Miller 2012-02-15
Assigns Past and Future Changes
ulm@gentoo.org
(Changes to cipher/idea.c and related files)

LIBGCRYPT Vladimir Serbinenko 2012-04-26
Assigns Past and Future Changes
phcoder@gmail.com
(cipher/serpent.c)

Authors with a DCO

=====

Andrei Scherer <andsch@inbox.com>
2014-08-22:BF7CEF794F9.000003F0andsch@inbox.com:

Christian Aistleitner <christian@quelltextlich.at>
2013-02-26:20130226110144.GA12678@quelltextlich.at:

Christian Grothoff <christian@grothoff.org>
2013-03-21:514B5D8A.6040705@grothoff.org:

Dmitry Eremin-Solenikov <dbaryshkov@gmail.com>
2013-07-13:20130713144407.GA27334@fangorn.rup.mentorg.com:

Dmitry Kasatkin <dmitry.kasatkin@intel.com>
2012-12-14:50CAE2DB.80302@intel.com:

Jrmie Courrges-Anglas <jca@wxcvbn.org>
2016-05-26:87bn3ssqg0.fsf@ritchie.wxcvbn.org

Jussi Kivilinna <jussi.kivilinna@mbnet.fi>
2012-11-15:20121115172331.150537dzb5i6jmy8@www.dalek.fi:

Jussi Kivilinna <jussi.kivilinna@iki.fi>
2013-05-06:5186720A.4090101@iki.fi:

Markus Teich <markus dot teich at stusta dot mhn dot de>
2014-10-08:20141008180509.GA2770@trolle:

Mathias L. Baumann <mathias.baumann at sociomantic.com>
2017-01-30:07c06d79-0828-b564-d604-fd16c7c86ebe@sociomantic.com:

Milan Broz <gmazyland@gmail.com>
2014-01-13:52D44CC6.4050707@gmail.com:

Peter Wu <peter@lekensteyn.nl>
2015-07-22:20150722191325.GA8113@al:

Rafal Carr <funman@videolan.org>
2012-04-20:4F91988B.1080502@videolan.org:

Sergey V. <sftp.mtuci@gmail.com>
2013-11-07:2066221.5IYa7Yq760@darkstar:

Stephan Mueller <smueller@chronox.de>
2014-08-22:2008899.25OeoeVVVA@myon.chronox.de:

Tom Mrz <tm@t8m.info>
2012-04-16:1334571250.5056.52.camel@vespa.frost.loc:

Vitezslav Cizek <vcizek@suse.com>
2015-11-05:20151105131424.GA32700@kolac.suse.cz

Werner Koch <wk@gnupg.org> (g10 Code GmbH)
2012-12-05:87obi8u4h2.fsf@vigenere.g10code.de:

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```

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

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

```
This program is free software; you can redistribute it and/or modify  
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the Free Software Foundation; either version 1, or (at your option)  
any later version.
```

```
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```

```
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along with this program; if not, write to the Free Software  
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```

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

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

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Version 3, 29 June 2007

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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This

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

```
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```

```
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```

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```

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Version 3, 29 June 2007

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1.80 perl 5.30.0 9ubuntu0.2

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```
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```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

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

That's all there is to it!

```
/* doio.c
```

```
*
```

```
* Copyright (C) 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000,
```

```
* 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008 by Larry Wall and others
```

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*
*/

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```
# To give due honour to those who have made Perl 5 what it is today,  
# here are easily-from-changelogs-extractable people and their  
# (hopefully) current and preferred email addresses from the commits.  
# These people have either submitted patches or suggestions, or their bug  
# reports or comments have inspired the appropriate patches. Corrections,  
# additions, deletions welcome; send them to perlbug@perl.org, preferably  
# as the output of diff(1), diff -u or diff -c between the original and a  
# corrected version of this file.
```

```
#
# The use of this database for anything else than Perl development
# is strictly forbidden. (Passive distribution with the Perl source
# code kit is, of course, allowed.)
#
# This should contain the preferred addresses. Alternate addresses are in
# Porting/checkAUTHORS.pl.
#
# After editing, please run: make test_porting
--
A. C. Yardley <yardley@tanet.net>
A. Sinan Unur <nanis@cpan.org>
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Achim Bohnet <ach@mpe.mpg.de>
Achim Gratz <achim.gratz@stromeko.de>
Adam Flott <adam@npjh.com>
Adam Kennedy <adam@ali.as>
Adam Krolnik <adamk@gypsy.cyrix.com>
Adam Milner <carmiac@nmt.edu>
Adam Russell <arussell@cs.uml.edu>
Adam Spiers
Adrian M. Enache <enache@rdslink.ro>
Adriano Ferreira <a.r.ferreira@gmail.com>
Akim Demaille <akim@epita.fr>
Alain Barbet <alian@cpan.org>
Alan Burlison <Alan.Burlison@uk.sun.com>
Alan Champion <achampio@lehman.com>
Alan Ferrency <alan@pair.com>
Alan Grover <awgrover@gmail.com>
Alan Grow <agrow@thegotonerd.com>
Alan Haggai Alavi <haggai@cpan.org>
Alan Harder <Alan.Harder@Ebay.Sun.COM>
Alan Hourihane <alanh@fairlite.co.uk>
Alan Modra
Alastair Douglas <alastair.douglas@gmail.com>
Albert Chin-A-Young <china@thewrittenword.com>
Albert Dvornik <bert@alum.mit.edu>
Alberto Simões <ambs@cpan.org>
Alessandro Forghieri <alf@orion.it>
Alex Davies <adavies@ptc.com>
```

Alex Gough <alex@rcon.org>
Alex Solovey <a.solovey@gmail.com>
Alex Vandiver <alexmv@mit.edu>
Alex Waugh <alex@alexwaugh.com>
Alexander Alekseev <alex@alemate.ru>
Alexander Bluhm <alexander_bluhm@genua.de>
Alexander D'Archangel <darksuji@gmail.com>
Alexander Gernler <alexander_gernler@genua.de>
Alexander Gough <alex-p5p@earth.li>
Alexander Hartmaier <abraxxa@cpan.org>
Alexander Klimov <ask@wisdom.weizmann.ac.il>
Alexander Smishlajev <als@turnhere.com>
Alexander Voronov <alexander-voronov@yandex.ru>
Alexandr Ciornii <alexchorny@gmail.com>
Alexandr Savca <alexandr.savca89@gmail.com>
Alexandre (Midnite) Jousset <mid@gtmp.org>
Alexei Alexandrov <alexei.alexandrov@gmail.com>
Alexey Mahotkin <alexm@netli.com>
Alexey Toptygin <alexeyt@freeshell.org>
Alexey Tourbin <at@altlinux.ru>
Alexey V. Barantsev <barancev@kazbek.ispras.ru>
Ali Polatel <alip@exherbo.org>
Allen Smith <allens@cpan.org>
Ambrose Kofi Laing
Ammon Riley <ammon@rhythm.com>
Ananth Kesari <HYanatha@novell.com>
Anders Johnson <ajohnson@nvidia.com>
Andreas Guðmundsson <andreasg@nasarde.org>
Andreas Karrer <karrer@ife.ee.ethz.ch>
Andreas Klussmann <andreas@infosys.heitec.de>
Andreas König <a.koenig@mind.de>
Andreas Marienborg <andreas.marienborg@gmail.com>
Andreas Schwab <schwab@suse.de>
Andreas Voegele <andreas@andreasvoegele.com>
Andrei Yelistratov <andrew@sundale.net>
Andrej Borsenkow <Andrej.Borsenkow@mow.siemens.ru>
Andrew Bettison <andrewb@zip.com.au>
Andrew Burt <aburt@isis.cs.du.edu>
Andrew Cohen <cohen@andy.bu.edu>
andrew deryabin <djsf@technarchy.ru>
Andrew Fresh <afresh1@openbsd.org>
Andrew Hamm <AHamm@civica.com.au>
Andrew M. Langmead <aml@world.std.com>
Andrew Pimlott <pimlott@idiomtech.com>
Andrew Rodland <arodland@cpan.org>
Andrew Savage <ajsavige@yahoo.com.au>
Andrew Tam <andrewtam000@gmail.com>
Andrew Vignaux <ajv@nz.sangacorp.com>

Andrew Wilcox <awilcox@maine.com>
Andrey Sapozhnikov <sapa@icb.chel.su>
Andy Armstrong <andy@hexten.net>
Andy Broad <andy@broad.ology.org.uk>
Andy Bussey <andybussey@yahoo.co.uk>
Andy Dougherty <doughera@lafayette.edu>
Andy Lester <andy@petdance.com>
Anno Siegel <anno4000@lublin.zrz.tu-berlin.de>
Anthony David <adavid@netinfo.com.au>
Anthony Heading <anthony@ajrh.net>
Anton Berezin <tobez@tobez.org>
Anton Nikishaev <me@lelf.lu>
Anton Tagunov <>tagunov@motor.ru>
Archer Sully <archer@meer.net>
Aristotle Pagaltzis <pagaltzis@gmx.de>
Arjen Laarhoven <arjen@nl.demon.net>
Arkturuz <arkturuz@gmail.com>
Arne Ahrend <aahrend@web.de>
Arnold D. Robbins <arnold@gnu.ai.mit.edu>
Art Green <Art_Green@mercmarine.com>
Art Haas <ahaas@airmail.net>
Arthur Axel 'FREW' Schmidt <frioux@gmail.com>
Artiom Morozov <artiom@phreaker.net>
Artur Bergman <artur@contiller.se>
Arvan <apritchard@zeus.com>
Ash Berlin <ash@cpan.org>
Ask Bjørn Hansen <ask@deveeloper.com>
Audrey Tang <cpan@audreyt.org>
Augustina Blair <auggy@cpan.org>
Axel Boldt
Barrie Slaymaker <barries@slaysys.com>
Barry Friedman
Bart Kedryna <bkedryna@home.com>
Bas van Sisseren <bas@quarantainenet.nl>
Beau Cox
Ben Carter <bcarter@gumdrop.flyinganvil.org>
Ben Hengst <notbenh@cpan.org>
Ben Morrow <ben@morrow.me.uk>
Ben Okopnik <ben@linuxgazette.net>
Ben Tilly <ben_tilly@operamail.com>
Benjamin Goldberg <goldbb2@earthlink.net>
Benjamin Holzman <bah@ecnavantage.com>
Benjamin Low <b.d.low@unsw.edu.au>
Benjamin Smith <bsmith@cabbage.org.uk>
Benjamin Stuhl <sho_pi@hotmail.com>
Benjamin Sugars <bsugars@canoe.ca>
Bernard Quatermass <bernard@quatermass.co.uk>
Bill Campbell <bill@celestial.com>

Bill Glicker <billg@burrelles.com>
Billy Constantine <wdconsta@cs.adelaide.edu.au>
Blair Zajac <blair@orcaware.com>
Bo Borgerson <gigabo@gmail.com>
Bo Johansson <bo.johansso@lsn.se>
Bo Lindbergh <blgl@stacken.kth.se>
Bob Dalglish <Robert.Dalglish@sk.sympatico.ca>
Bob Ernst <boernst@cpan.org>
Bob Wilkinson <bob@fourtheeye.org>
Boris Ratner <ratner2@gmail.com>
Boris Zentner <bzm@2bz.de>
Boyd Gerber <gerberb@zenez.com>
Brad Appleton <bradapp@enteract.com>
Brad Gilbert <b2gills@gmail.com>
Brad Howerter <bhower@wgc.woodward.com>
Brad Hughes <brad@tgsmc.com>
Brad Lanam <bl@gentoo.com>
Bradley Dean <bjdean@bjdean.id.au>
Bram <perl-rt@wizbit.be>
Brandon Black <blblack@gmail.com>
Brendan Byrd <BBYRD@CPAN.org>
Brendan O'Dea <bod@debian.org>
Breno G. de Oliveira <garu@cpan.org>
Brent B. Powers <powers@ml.com>
Brent Dax <brentdax@cpan.org>
Brian Callaghan <callagh@itginc.com>
Brian Carlson <brian.carlson@cpanel.net>
Brian Childs <brian@rentec.com>
Brian Clarke <clarke@appliedmeta.com>
brian d foy <brian.d.foy@gmail.com>
Brian Fraser <fraserbn@gmail.com>
Brian Gottreu <gottreu@gmail.com>
Brian Greenfield <briang@cpan.org>
Brian Grossman
Brian Harrison <brie@corp.home.net>
Brian Jepson <bjepson@oreilly.com>
Brian Katzung
Brian McCauley <nobull@mail.com>
Brian Phillips <bphillips@cpan.org>
Brian Reichert <reichert@internet.com>
Brian S. Cashman <bsc@umich.edu>
Brian Strand <bstrand@switchmanagement.com>
Brooks D Boyd
Bruce Barnett <barnett@grymoire.crd.ge.com>
Bruce J. Keeler <bkeelerx@iwa.dp.intel.com>
Bruce P. Schuck <bruce@aps.org>
Bud Huff <BAHUFF@us.oracle.com>
Byron Brummer <byron@omix.com>

C Aditya <caditya@novell.com>
Calle Dybedahl <calle@lysator.liu.se>
Campo Weijerman <rfc822@nl.ibm.com>
Carl Eklof <CEklof@endeca.com>
Carl Hayter <hayter@usc.edu>
Carl M. Fongheiser <cmf@ins.infonet.net>
Carl Witty <cwitty@newtonlabs.com>
Cary D. Renzema <caryr@mxim.com>
Casey R. Tweten <crt@kiski.net>
Casey West <casey@geeknest.com>
Castor Fu
Chad Granum <chad.granum@dreamhost.com>
Chaim Frenkel <chaimf@pobox.com>
Charles Bailey <bailey@newman.upenn.edu>
Charles F. Randall <crandall@free.click-n-call.com>
Charles Lane <lane@DUPHY4.Physics.Drexel.Edu>
Charles Randall <cfriv@yahoo.com>
Charles Wilson <cwilson@ece.gatech.edu>
Charlie Gonzalez <itcharlie@gmail.com>
Chas. Owens <chas.owens@gmail.com>
Chase Whitener <cwhitener@gmail.com>
Chaskiel M Grundman
Chia-liang Kao <clkao@clkao.org>
Chip Salzenberg <chip@pobox.com>
Chip Turner <cturner@redhat.com>
chocolateboy <chocolateboy@chocolatey.com>
Chris Ball <chris@cpan.org>
Chris 'BinGOs' Williams <chris@bingosnet.co.uk>
Chris Bongaarts <cab@tc.umn.edu>
Chris Dolan <chris@chrisdolan.net>
Chris Faylor <cgf@bbc.com>
Chris Heath <chris@heathens.co.nz>
Chris Lamb <lamby@debian.org>
Chris Lightfoot <chris@ex-parrot.com>
Chris Nandor <pudge@pobox.com>
Chris Pepper
Chris R. Donnelly <chris.donnelly@vauto.com>
Chris Travers <chris.travers@gmail.com>
Chris Tubutis <chris@broadband.att.com>
Chris Wick <cwick@lmc.com>
Chris Williams <chrisw@netinfo.com.au>
Christian Burger <burger@terra.mpikg-teltow.mpg.de>
Christian Hansen <chansen@cpan.org>
Christian Kirsch <ck@held.mind.de>
Christian Millour <cm.perl@abtela.com>
Christian Winter <bitpoet@linux-config.de>
Christoph Lamprecht <ch.l.ngre@online.de>
Christophe Grosjean <christophe.grosjean@gmail.com>

Christopher Chavez <chrischavez@gmx.us>
Christopher Chan-Nui <channui@austin.ibm.com>
Christopher Davis <ckd@loiosh.kei.com>
Christopher J. Madsen <perl@cjmweb.net>
chromatic <chromatic@wgz.org>
Chuck Phillips <perl@cadop.com>
Chun Bing Ge <gecb@cn.ibm.com>
Chunhui Teng <cteng@nortel.ca>
Claes Jacobsson <claes@surfar.nu>
Clark Cooper <coopercc@netheaven.com>
Claudio Ramirez <nxadm@cpan.org>
Clinton A. Pierce <clintp@geeksalad.org>
Colin Kuskie <ckuskie@cadence.com>
Colin McMillen <mcmi0073@tc.umn.edu>
Colin Meyer <cmeyer@helvella.org>
Colin Newell <colin.newell@gmail.com>
Colin Watson <colinw@zeus.com>
Conrad Augustin
Conrad E. Kimball <cek@tblv021.ca.boeing.com>
Craig A. Berry <craigberry@mac.com>
Craig DeForest <zowie@euterpe.boulder.swri.edu>
Craig Milo Rogers <Rogers@ISI.EDU>
Curtis Jewell <perl@csjewell.fastmail.us>
Curtis Poe <cp@onsitotech.com>
Dabrien 'Dabe' Murphy <dabe@dabe.com>
Dagfinn Ilmari Mannsåker <ilmari@ilmari.org>
Dale Amon <amon@vnl.com>
Damian Conway <damian@conway.org>
Damon Atkins <Damon.Atkins@nabaus.com.au>
Dan Book <grinnz@grinnz.com>
Dan Boorstein <dan_boo@bellsouth.net>
Dan Brook <dbrook@easyspace.com>
Dan Collins <dcollinsn@gmail.com>
Dan Dascalescu <bigbang7@gmail.com>
Dan Dedrick <ddedrick@lexmark.com>
Dan Hale <danhale@us.ibm.com>
Dan Jacobson <jidanni@jidanni.org>
Dan Kogai <dankogai@dan.co.jp>
Dan Schmidt <dfan@harmonixmusic.com>
Dan Sugalski <dan@sidhe.org>
Daniel Berger <djberg86@attbi.com>
Daniel Chetlin <daniel@chetlin.com>
Daniel Dragan <bulk88@hotmail.com>
Daniel Frederick Crisman <daniel@crisman.org>
Daniel Grisinger <dgris@dimensional.com>
Daniel Kahn Gillmor <dkg@fifthhorseman.net>
Daniel Lieberman <daniel@bitpusher.com>
Daniel Muiño <dmuino@afip.gov.ar>

Daniel P. Berrange <dan@berrange.com>
Daniel Perrett <perrettdl@googlemail.com>
Daniel S. Lewart <lewart@uiuc.edu>
Daniel Yacob <perl@geez.org>
Danny R. Faught <faught@mailhost.rsn.hp.com>
Danny Sadinoff <danny-cpan@sadinoff.com>
Darin McBride <dmcbride@cpan.org>
Darrell Kindred <dkindred+@cmu.edu>
Darrell Schiebel <drs@nrao.edu>
Darren/Torin/Who Ever... <torin@daft.com>
Dave Bianchi
Dave Cross <dave@mag-sol.com>
Dave Hartnoll <Dave_Hartnoll@3b2.com>
Dave Liney <dave.liney@gbr.conoco.com>
Dave Nelson <David.Nelson@bellcow.com>
Dave Paris
Dave Rolsky <autarch@urth.org>
Dave Schweisguth <dcs@neutron.chem.yale.edu>
Dave Shariff Yadallee <doctor@doctor.nl2k.ab.ca>
David Billinghamurst <David.Billinghurst@riotinto.com.au>
David Caldwell <david@porkrind.org>
David Campbell
David Cannings <lists@edeca.net>
David Cantrell <david@cantrell.org.uk>
David Couture
David D. Kilzer <ddkilzer@lubricants-oil.com>
David Denholm <denholm@conmat.phys.soton.ac.uk>
David Dyck <david.dyck@fluke.com>
David F. Haertig <dfh@dwroll.lucent.com>
David Favor <david@davidfavor.com>
David Feldman <david.feldman@tudor.com>
David Fifield <david@bamssoftware.com>
David Filo
David Formosa <dformosa@dformosa.zeta.org.au>
David Gay <dgay@acm.org>
David Glasser <me@davidglasser.net>
David Golden <dagolden@cpan.org>
David H. Adler <dha@panix.com>
David H. Gutteridge <dhgutteridge@sympatico.ca>
David Hammen <hammen@gothamcity.jsc.nasa.gov>
David J. Fiander <davidf@mks.com>
David Kerry <davidk@tor.securecomputing.com>
David Landgren <david@landgren.net>
David Leadbeater <dgl@dgl.cx>
David M. Syzdek <david@syzdek.net>
David Manura <dm.list@math2.org>
David McLean <davem@icc.gsfc.nasa.gov>
David Mitchell <davem@iabyn.nospamdeletethisbit.com>

David Muir Sharnoff <muir@idiom.com>
David Nicol <whatever@davidnicol.com>
David R. Favor <dfavor@austin.ibm.com>
David Sparks <daves@ca.sophos.com>
David Starks-Browning <dstarks@rc.tudelft.nl>
David Steinbrunner <dsteinbrunner@pobox.com>
David Sundstrom <sunds@asictest.sc.ti.com>
David Wheeler <david@justatheory.com>
Davin Milun <milun@cs.Buffalo.EDU>
Dean Roehrich <roehrich@cray.com>
Dee Newcum <perl.org@paperlined.org>
deekoo <deekoo@tentacle.net>
Dennis Kaarsemaker <dennis@booking.com>
Dennis Marsa <dennism@cyrix.com>
Devin Heitmueller <devin.heitmueller@gmail.com>
DH <crazyinsomniac@yahoo.com>
Diab Jerius <dj@head-cfa.harvard.edu>
dLux <dflux@spam.sch.bme.hu>
Dmitri Tikhonov <dmitri@cpan.org>
Dmitry Karasik <dk@tetsuo.karasik.eu.org>
Dmitry Ulanov <zprogd@gmail.com>
Dominic Dunlop <domo@computer.org>
Dominic Hargreaves <dom@earth.li>
Dominique Dumont <Dominique_Dumont@grenoble.hp.com>
Dominique Quatravaux
Doug Bell <madcityzen@gmail.com>
Doug Campbell <soup@ampersand.com>
Doug MacEachern <dougm@covalent.net>
Douglas Christopher Wilson <doug@somethingdoug.com>
Douglas E. Wegscheid <dwegscheid@qtm.net>
Douglas Lankshear <doug@lankshear.net>
Douglas Wilson <dougw@cpan.org>
Dov Grobgeld <dov@Orbotech.Co.IL>
Dr.Ruud <rvtol+news@isolution.nl>
Drago Goricanec <drago@raptor.otsd.ts.fujitsu.co.jp>
Drew Stephens <drewgstephens@gmail.com>
Duke Leto <jonathan@leto.net>
Duncan Findlay <dunconf@debian.org>
E. Choroba <choroba@cpan.org>
Ed Avis <eda@waniasset.com>
Ed J <etj@cpan.org>
Ed Mooring <mooring@Lynx.COM>
Ed Santiago <esm@pobox.com>
Eddy Tan <eddy.net@gmail.com>
Edgar Bering <trizor@gmail.com>
Edmund Bacon
Edward Avis <ed@membled.com>
Edward Moy <emoy@apple.com>

Edward Peschko <edwardp@excitehome.net>
Elaine -HFB- Ashton <elaine@chaos.wustl.edu>
Elizabeth Mattijsen <liz@dijkmat.nl>
Enrico Sorcinelli <bepi@perl.it>
Eric Amick
Eric Arnold <eric.arnold@sun.com>
Eric Bartley <bartley@icd.cc.purdue.edu>
Eric Brine <ikegami@adaelis.com>
Eric E. Coe <Eric.Coe@oracle.com>
Eric Fifer <egf7@columbia.edu>
Eric Herman <eric@freesa.org>
Eric Melville
Eric Promislow <ericp@ActiveState.com>
Erich Rickheit
Eryq <eryq@zeegee.com>
Etienne Grossman <etienne@isr.isr.ist.utl.pt>
Eugen Konkov <kes-kes@yandex.ru>
Eugene Alterman <Eugene.Alterman@bremer-inc.com>
Evan Miller <eam@frap.net>
Evan Zacks <zackse@cpan.org>
Fabien Tassin <tassin@eerie.fr>
Father Chrysostomos <sprout@cpan.org>
Felipe Gasper <felipe@felipegasper.com>
Felix Gallo <fgallo@etoys.com>
Fergal Daly <fergal@esatclear.ie>
Fingle Nark <finglenark@gmail.com>
Florent Guillaume
Florian Ragwitz <rafl@debian.org>
François Désarménien <desar@club-internet.fr>
François Perrad <francois.perrad@gadz.org>
Frank Crawford
Frank Ridderbusch <Frank.Ridderbusch@pdb.siemens.de>
Frank Tobin <ftobin@uiuc.edu>
Frank Wiegand <frank.wiegand@gmail.com>
Franklin Chen <chen@adi.com>
Franz Fasching <perldev@drfasching.com>
Frederic Briere <fbriere@fbriere.net>
Frédéric Chauveau <fmc@pasteur.fr>
Fyodor Krasnov <fyodor@aha.ru>
G. Del Merritt <del@intranetics.com>
Gabe Schaffer
Gabor Szabo <szabgab@gmail.com>
Garry T. Williams <garry@zvolve.com>
Gary Clark <GaryC@mail.jeld-wen.com>
Gary L. Armstrong
Gary Ng <71564.1743@compuserve.com>
Gavin Shelley <columbusmonkey@me.com>
Gene Sullivan <genesullivan50@yahoo.com>

Geoffrey F. Green <geoff-public@stuebegreen.com>
Geoffrey T. Dairiki <dairiki@dairiki.org>
Georg Schwarz <geos@epost.de>
George Greer <perl@greerga.m-l.org>
George Hartzell <georgewh@gene.com>
George Necula <necula@eecs.berkeley.edu>
Geraint A Edwards <gedge@serf.org>
Gerard Goossen <gerard@ggoossen.net>
Gerben Wierda <G.C.Th.Wierda@AWT.nl>
Gerd Knops <gerti@BITart.com>
Gerrit P. Haase <gp@familiehaase.de>
Gideon Israel Dsouza <gideon@cpan.org>
Giles Lean <giles@nemeton.com.au>
Gisle Aas <gisle@aas.no>
Glenn D. Golden <gdg@zplane.com>
Glenn Linderman <perl@nevc.com>
Gordon J. Miller <gjm@cray.com>
Gordon Lack <gml4410@ggr.co.uk>
Goro Fuji <gfuji@cpan.org>
Grace Lee <grace@hal.com>
Graham Barr <gbarr@pobox.com>
Graham Knop <haarg@haarg.org>
Graham TerMarsch <graham@howlingfrog.com>
Grant McLean <grantm@cpan.org>
Greg Bacon <gbacon@itsc.uah.edu>
Greg Chapman <glc@well.com>
Greg Earle
Greg Kuperberg
Greg Matheson <lang@ms.chinmin.edu.tw>
Greg Seibert <seibert@Lynx.COM>
Greg Ward <gward@ase.com>
Gregor Chrupala <gregor.chrupala@star-group.net>
gregor herrmann <gregoa@debian.org>
Gregory Martin Pfeil <pfeilgm@technomadic.org>
Guenter Schmidt <gsc@brucker.de>
Guido Flohr <guido@imperia.net>
Guruprasad S <SGURUPRASAD@novell.com>
Gurusamy Sarathy <gsar@cpan.org>
Gustaf Neumann
Guy Decoux <decoux@moulon.inra.fr>
Gwyn Judd <b.judd@xtra.co.nz>
H.J. Lu <hjl@nynexst.com>
H.Merijn Brand <h.m.brand@xs4all.nl>
Hal Morris <hom00@utsglobal.com>
Hal Pomeranz <pomeranz@netcom.com>
Hallvard B Furuseth <h.b.furuseth@usit.uio.no>
Hannu Napari <Hannu.Napari@hut.fi>
Hans de Graaff <J.J.deGraaff@twi.tudelft.nl>

Hans Dieter Pearcey <hdp@pobox.com>
Hans Ginzel <hans@kolej.mff.cuni.cz>
Hans Mulder <hansmu@xs4all.nl>
Hans Ranke <Hans.Ranke@ei.tum.de>
Harald Jörg <Harald.Joerg@arcor.de>
Harmen <harm@dds.nl>
Harmon S. Nine <hnine@netarx.com>
Harri Pasanen <harri.pasanen@trema.com>
Harry Edmon <harry@atmos.washington.edu>
Hauke D <haukex@zero-g.net>
Heiko Eissfeldt <heiko.eissfeldt@hexco.de>
Helmut Jarausch <jarausch@numa1.igpm.rwth-aachen.de>
Henrik Tougaard <ht.000@foa.dk>
Herbert Breunung <lichtkind@cpan.org>
Hernan Perez Masci <hmasci@uolsinectis.com.ar>
Hershel Walters <walters@smd4d.wes.army.mil>
Hio <hio@hio.jp>
Hiroo Hayashi <hiroo.hayashi@computer.org>
Hojung Youn <amoc.yn@gmail.com>
Holger Bechtold
Hongwen Qiu <qihongwen@gmail.com>
Horst von Brand <vonbrand@sleipnir.valparaiso.cl>
Hrunting Jonhson
Hubert Feyrer <hubert.feyrer@informatik.fh-regensburg.de>
Hugo van der Sanden <hv@crypt.org>
Hunter Kelly <retnuh@zule.pixar.com>
Huw Rogers <count0@gremlin.straylight.co.jp>
Iain Truskett
Ian Goodacre <ian.goodacre@xtra.co.nz>
Ian Maloney <ian.malonet@ubs.com>
Ian Phillipps <Ian.Phillipps@iname.com>
Ignasi Roca Carrió <ignasi.roca@fujitsu-siemens.com>
Igor Sutton <izut@cpan.org>
Igor Zaytsev <igor.zaytsev@gmail.com>
Ilmari Karonen <iltzu@sci.fi>
Ilya Martynov <ilya@martynov.org>
Ilya N. Golubev <gin@mo.msk.ru>
Ilya Sandler <Ilya.Sandler@etak.com>
Ilya Zakharevich <ilya@math.berkeley.edu>
Inaba Hiroto <inaba@st.rim.or.jp>
Indy Singh <indy@nusphere.com>
Ingo Weinhold <ingo_weinhold@gmx.de>
Ingy dot Net <ingy@ttul.org>
insecure <insecure@mail.od.ua>
Irving Reid <irving@tor.securecomputing.com>
Ivan Kurmanov <kurmanov@openlib.org>
Ivan Pozdeev <vano@mail.mipt.ru>
Ivan Tubert-Brohman <itub@cpan.org>

J. David Blackstone <jdb@dfwnet.sbms.sbc.com>
J. Nick Koston <nick@cpanel.net>
J. van Krieken <John.van.Krieken@ATComputing.nl>
Jacinta Richardson <jarich@perltraining.com.au>
Jack Shirazi <JackS@GemStone.com>
Jacques Germishuys <jacquesg@striata.com>
Jacqui Caren <Jacqui.Caren@ig.co.uk>
Jake Hamby <jehamby@lightside.com>
Jakub Wilk <jwilk@jwilk.net>
James <james@rf.net>
James A. Duncan <jduncan@fotango.com>
James Clarke <jrtc27@jrtc27.com>
James E Keenan <jkeenan@cpan.org>
James FitzGibbon <james@ican.net>
James Jurach <muaddib@erf.net>
James Mastros <james@mastros.biz>
James McCoy <vega.james@gmail.com>
James Raspas <jraspass@gmail.com>
Jamshid Afshar
Jan D. <jan.djarv@mbox200.swipnet.se>
Jan Dubois <jan@jandubois.com>
Jan Pazdziora <adelton@fi.muni.cz>
Jan Starzynski <jan@planet.de>
Jan-Erik Karlsson <trg@privat.utfors.se>
Jan-Pieter Cornet <johnpc@xs4all.nl>
Jared Rhine <jared@organic.com>
Jari Aalto <jari.aalto@poboxes.com>
Jarkko Hietaniemi <jhi@iki.fi>
Jasmine Ahuja <jasmine.ahuja11@gmail.com>
Jasmine Ngan <jasmine.ngan@outlook.com>
Jason A. Smith <smithj4@rpi.edu>
Jason E. Stewart <jason@openinformatics.com>
Jason Shirk
Jason Stewart <jasons@cs.unm.edu>
Jason Varsoke <jjv@caesun10.msd.ray.com>
Jay Hannah <jhannah@mutationgrid.com>
Jay Rogers <jay@rgrs.com>
JD Laub <jdl@access-health.com>
Jeff Bouis
Jeff McDougal <jmcd@cris.com>
Jeff Okamoto <okamoto@corp.hp.com>
Jeff Pinyan <japhy@pobox.com>
Jeff Siegal <jbs@eddie.mit.edu>
Jeff Urlwin <jurlwin@access.digex.net>
Jeffrey Friedl <jfriedl@regex.info>
Jeffrey S. Haemer <jsh@woodcock.boulder.qms.com>
Jens Hamisch <jens@Strawberry.COM>
Jens Stavnstrup <js@ddre.dk>

Jens T. Berger Thielemann <jensthi@ifi.uio.no>
Jens Thomsen <jens@fiend.cis.com>
Jens-Uwe Mager <jum@helios.de>
Jeremy D. Zawodny <jeremy@zawodny.com>
Jeremy H. Brown <jhbrown@ai.mit.edu>
Jeremy Madea <jmadea@inktomi.com>
Jerome Abela <abela@hsc.fr>
Jerrad Pierce <belg4mit@MIT.EDU>
Jerry D. Hedden <jdhedden@cpan.org>
Jess Robinson <castaway@desert-island.me.uk>
Jesse Glick <jesse@sig.bsh.com>
Jesse Luehrs <doy@tozt.net>
Jesse Vincent <jesse@fsck.com>
Jesús Quiroga <jquiroga@pobox.com>
Jilles Tjoelker <jilles@stack.nl>
Jim Anderson <jander@ml.com>
Jim Avera <avera@hal.com>
Jim Balter
Jim Cromie <jcromie@cpan.org>
Jim Meyering <meyering@asic.sc.ti.com>
Jim Miner <jfm@winternet.com>
Jim Richardson
Jim Schneider <james.schneider@db.com>
Jirka Hruška <jirka@fud.cz>
Joachim Huober
Joaquin Ferrero <explorer@joaquinferrero.com>
Jochen Wiedmann <joe@ispsoft.de>
Jody Belka <dev-perl@pimb.org>
Joe Buehler <jbuehler@hekimian.com>
Joe McMahon <mcmahon@ibiblio.org>
Joe Orton <jorton@redhat.com>
Joe Schaefer <joe+perl@sunstarsys.com>
Joe Smith <jsmith@inwap.com>
Joel Berger <joel.a.berger@gmail.com>
Joel Rosi-Schwartz <j.schwartz@agonet.it>
Joerg Porath <Joerg.Porath@informatik.tu-chemnitz.de>
Joergen Haegg
Johan Holtman
Johan Vromans <jvromans@squirrel.nl>
Johann Klasek <jk@auto.tuwien.ac.at>
Johann 'Myrkraverk' Oskarsson <johann@myrkraverk.com>
Johannes Plunien <plu@ppq.de>
John Bley <jbb6@acpub.duke.edu>
John Borwick <jhborwic@unity.ncsu.edu>
John Cerney <j-cerney1@ti.com>
John D Groenvelde <groenvel@cse.psu.edu>
John E. Malmberg <wb8tyw@qsl.net>
John Gardiner Myers <jgmyers@proofpoint.com>

John Goodyear <johngood@us.ibm.com>
John Hasstedt <John.Hasstedt@sunysb.edu>
John Hawkinson <jhawk@mit.edu>
John Heidemann <johnh@isi.edu>
John Holdsworth <coldwave@bigfoot.com>
John Hughes <john@AtlanTech.COM>
John Kristian <jmk2001@engineer.com>
John L. Allen <allen@grumman.com>
John Lightsey <jd@cpanel.net>
John Macdonald <jmm@revenge.elegant.com>
John Malmberg <wb8tyw@gmail.com>
John Nolan <jpnolan@Op.Net>
John P. Linderman <jpl.jpl@gmail.com>
John Peacock <jpeacock@messagesystems.com>
John Pfuntner <pfuntner@vnet.ibm.com>
John Poltorak <jp@eyup.org>
John Q. Linux <jql@accessone.com>
John Redford <jmr@whirlwind.fmr.com>
John Rowe
John Salinas <jsalinas@cray.com>
John SJ Anderson <genehack@genehack.org>
John Stoffel <jfs@fluent.com>
John Stumbles <jstumbles@bluearc.com>
John Tobey <jtobey@john-edwin-tobey.org>
John Wright <john@johnwright.org>
Johnny Lam <jlam@jgrind.org>
Jon Eveland <jweveland@yahoo.com>
Jon Gunnip <jongunnip@hotmail.com>
Jon Orwant <orwant@oreilly.com>
Jonathan Biggar <jon@sems.com>
Jonathan D Johnston <jdjohnston2@juno.com>
Jonathan Fine <jfine@borders.com>
Jonathan Hudson <jonathan.hudson@jrudson.demon.co.uk>
Jonathan I. Kamens <jik@kamens.brookline.ma.us>
Jonathan Roy <roy@idle.com>
Jonathan Stowe <jns@integration-house.com>
Joost van Baal <J.E.vanBaal@uvt.nl>
Jörg Walter <jwalt@cpan.org>
Jos I. Boumans <kane@dwim.org>
Jose Auguste-Etienne <Jose.auguste-etienne@cgss-guyane.fr>
José Pedro Oliveira <jpo@di.uminho.pt>
Joseph N. Hall <joseph@cscaper.com>
Joseph S. Myers <jsm28@hermes.cam.ac.uk>
Joshua ben Jore <jjore@cpan.org>
Joshua Juran <jjuran@gmail.com>
Joshua Pritikin <joshua@paloalto.com>
Joshua Rodd <joshua@rodd.us>
JT McDuffie <jt@kpc.com>

Juan Gallego <Little.Boss@physics.mcgill.ca>
Juerd Waalboer <#####@juerd.nl>
Juha Laiho <juha.laiho@Elma.Net>
Julian Yip <julian@imoney.com>
juna <ggl.20.jj...@spamgourmet.com>
Jungshik Shin <jshin@mailaps.org>
Justin Banks <justinb@cray.com>
Ka-Ping Yee <kpyee@aw.sgi.com>
kafka <kafka@madrognon.net>
Kang-min Liu <gugod@gugod.org>
Kaoru Maeda <maeda@src.rioh.co.jp>
Karen Etheridge <ether@cpan.org>
Karl Glazebrook <kgb@aaosz.aao.GOV.AU>
Karl Heuer <kwzh@gnu.org>
Karl Simon Berg <karl@it.kth.se>
Karl Williamson <khw@cpan.org>
Karsten Sperling <spiff@phreax.net>
Karthik Rajagopalan <rajagopa@pauline.schrodinger.com>
Kaveh Ghazi <ghazi@caip.rutgers.edu>
KAWAI Takanori <GCD00051@nifty.ne.jp>
Kay Röpke <kroepke@dolphin-services.de>
Keedi Kim <keedi@cpan.org>
Keith Neufeld <neufeld@fast.pvi.org>
Keith Thompson <Keith.S.Thompson@gmail.com>
Ken Brown <kbrown@cornell.edu>
Ken Cotterill <kencotterill@netspace.net.au>
Ken Estes <estes@ms.com>
Ken Fox <kfox@ford.com>
Ken Hirsch <kenhirsch@ftml.net>
Ken MacLeod <ken@bitsko.slc.ut.us>
Ken Neighbors
Ken Shan <ken@digitas.harvard.edu>
Ken Williams <ken@mathforum.org>
Kenichi Ishigaki <ishigaki@cpan.org>
Kenneth Albanowski <kjahds@kjahds.com>
Kenneth Duda <kjd@cisco.com>
Kent Fredric <kentfredric@gmail.com>
Keong Lim <Keong.Lim@sr.com.au>
Kevin Brintnall <kbrint@rufus.net>
Kevin Chase <kevincha99@hotmail.com>
kevin dawson <bowtie@cpan.org>
Kevin Falcone <falcone@bestpractical.com>
Kevin J. Woolley <kjw@pathillogical.com>
Kevin O'Gorman <kevin.kosman@nrc.com>
Kevin Ruscoe <Kevin.Ruscoe@ubsw.com>
Kevin Ryde <user42@zip.com.au>
Kevin White <klwhite@magnus.acs.ohio-state.edu>
Kim Frutiger

Kingpin <mthurn@copper.dulles.tasc.com>
Kirrily Robert <skud@infotrope.net>
Kiyotaka Sakai <ksakai@netwk.ntt-at.co.jp>
kmx <kmx@volny.cz>
Kragen Sitaker <kragen@pobox.com>
Krishna Sethuraman <krishna@sgi.com>
Kriton Kyrimis <kyrimis@princeton.edu>
Kurt D. Starsinic <kstar@wolfetech.com>
Kyriakos Georgiou
Lajos Veres <vlajos@gmail.com>
Larry Parmelee <parmelee@CS.Cornell.EDU>
Larry Schuler
Larry Schwimmer <rosebud@cyclone.Stanford.EDU>
Larry Shatzer <fugazi@zyx.net>
Larry W. Virden <lvirden@cas.org>
Larry Wall <larry@wall.org>
Lars D <daxim@cpan.org>
Lars Hecking <lhecking@nmrc.ucc.ie>
Larwan Berke <apocal@cpan.org>
Laszlo Molnar <laszlo.molnar@eth.ericsson.se>
Laurent Dami <dami@cpan.org>
Leif Huhn <leif@hale.dkstat.com>
Len Johnson <lenjay@ibm.net>
Leo Lapworth <leo@cuckoo.org>
Leon Brocard <acme@astray.com>
Leon Timmermans <fawaka@gmail.com>
Les Peters <lpeters@aol.net>
Lesley Binks <lesley.binks@gmail.com>
Lincoln D. Stein <lstein@cshl.org>
Lionel Cons <lionel.cons@cern.ch>
Louis Strous <louis.strous@gmail.com>
Lubomir Rintel <lkundrak@v3.sk>
Luc St-Louis <luc.st-louis@ca.transport.bombardier.com>
Luca Fini
Lucas Holt <luke@foolishgames.com>
Ludovic E. R. Tolhurst-Cleaver <camel@ltdcdev.com>
Lukas Mai <l.mai@web.de>
Luke Closs <lukec@cpan.org>
Luke Ross <lukeross@gmail.com>
Lupe Christoph <lupe@lupe-christoph.de>
Luther Huffman <lutherh@stratcom.com>
Maik Hentsche <maik@mm-double.de>
Major Sébastien <sebastien.major@crdp.ac-caen.fr>
Makoto MATSUSHITA <matusita@ics.es.osaka-u.ac.jp>
Malcolm Beattie <mbeattie@sable.ox.ac.uk>
Manuel Valente <mvalente@idealx.com>
Marc Green <marcgreen@cpan.org>
Marc Lehmann <pcg@goof.com>

Marc Paquette <Marc.Paquette@Softimage.COM>
Marc Simpson <marc@0branch.com>
Marc-Philip Werner <marc-philip.werner@sap.com>
Marcel Grünauer <marcel@codewerk.com>
Marco Fontani <MFONTANI@cpan.org>
Marco Peereboom <marco@conformal.com>
Marcus Holland-Moritz <mhx-perl@gmx.net>
Marek Rouchal <marek.rouchal@infineon.com>
Mark A Biggar <mab@wdl.loral.com>
Mark A. Hershberger <mah@everybody.org>
Mark A. Stratman <stratman@gmail.com>
Mark Aufflick <mark@aufflick.com>
Mark Bixby <mark@bixby.org>
Mark Dickinson <dickins3@fas.harvard.edu>
Mark Dootson <mdootson@cpan.org>
Mark Fowler <mark@twoshortplanks.com>
Mark Hanson
Mark J. Reed <mreed@strange.turner.com>
Mark Jason Dominus <mjd@plover.com>
Mark K Trettin <mkt@lucent.com>
Mark Kaehny <kaehny@execpc.com>
Mark Kettenis <kettenis@wins.uva.nl>
Mark Klein <mklein@dis.com>
Mark Knutsen <knutsen@pilot.njin.net>
Mark Kvale <kvale@phy.ucsf.edu>
Mark Leighton Fisher <markleightonfisher@gmail.com>
Mark Mielke <mark@mark.mielke.cc>
Mark Murray <mark@grondar.za>
Mark Overmeer <mark@overmeer.net>
Mark P. Lutz <mark.p.lutz@boeing.com>
Mark Pease <peasem@primenet.com>
Mark Pizzolato <mark@infocomm.com>
Mark R. Levinson <mrl@isc.upenn.edu>
Mark Stosberg <mark@summersault.com>
Marko Asplund <aspa@merlot.kronodoc.fi>
Markus Jansen <Markus.Jansen@ericsson.com>
Marnix van Ammers <marnix@gmail.com>
Martien Verbruggen <mgjv@comdyn.com.au>
Martijn Koster <mak@excitecorp.com>
Martijn Lievaart <m@rtij.nl>
Martin Hasch <mhasch@cpan.org>
Martin Husemann <martin@duskware.de>
Martin J. Bligh <mbligh@us.ibm.com>
Martin Jost <Martin.Jost@icn.siemens.de>
Martin Lichtin <lichtin@bivio.com>
Martin McGrath <mcgrath.martin@gmail.com>
Martin Plechsmid <plechsmi@karlin.mff.cuni.cz>
Martin Pool <mbp@samba.org>

Martti Rahkila <martti.rahkila@hut.fi>
Marty Lucich <marty@netcom.com>
Marty Pauley <marty+p5p@kasei.com>
Martyn Pearce <martyn@inpharmatica.co.uk>
Marvin Humphrey <marvin@rectangular.com>
Masahiro KAJIURA <masahiro.kajiura@toshiba.co.jp>
Mashrab Kuvatov <kmashrab@uni-bremen.de>
Matthias Bethke <matthias@towiski.de>
Mathias Koerber <mathias@dnssec1.singnet.com.sg>
Mathieu Arnold <m@absolight.fr>
Mats Peterson <mats@sm6sxl.net>
Matsumoto Yasuhiro <matt.jp@gmail.com>
Matt Johnson <matt.w.johnson@gmail.com>
Matt Kimball
Matt Kraai <kraai@ftbfs.org>
Matt S Trout <mst@shadowcat.co.uk>
Matt Sergeant <matt@sergeant.org>
Matt Taggart <taggart@debian.org>
Matthew Black <black@csulb.edu>
Matthew Green <mrg@splode.eterna.com.au>
Matthew Horsfall <wolfsage@gmail.com>
Matthew Sachs <matthewg@zevils.com>
Matthew T Harden <mthard@mthard1.monsanto.com>
Matthias Ulrich Neeracher <neeracher@mac.com>
Matthias Urlichs <smurf@noris.net>
Matthijs van Duin <xmath@cpan.org>
Mattia Barbon <mbarbon@dsi.unive.it>
Maurizio Loreti <maurizio.loreti@pd.infn.it>
Max Baker <max@warped.org>
Max Maischein <corion@corion.net>
Maxwell Carey <maxwellhaydn@gmail.com>
Merijn Broeren <merijnb@iloquent.nl>
Michael A Chase <mchase@ix.netcom.com>
Michael Breen <perl@mbreen.com>
Michael Bunk <bunk@iat.uni-leipzig.de>
Michael Carman <mjcarman@home.com>
Michael Cook <mcook@cognex.com>
Michael Cummings <mcummings@gentoo.org>
Michael De La Rue <mikedlr@tardis.ed.ac.uk>
Michael Engel <engel@nms1.cc.huji.ac.il>
Michael Fig <michael@liveblockauctions.com>
Michael G Schwern <schwern@pobox.com>
Michael H. Moran <mhm@austin.ibm.com>
Michael King <mike808@users.sourceforge.net>
Michael Lemke <lemkemch@t-online.de>
Michael Mahan <mahanm@nextwork.rose-hulman.edu>
Michael Parker <michael.parker@st.com>
Michael Schroeder <Michael.Schroeder@informatik.uni-erlangen.de>

Michael Somos <somos@grail.cba.csuohio.edu>
Michael Stevens <mstevens@etla.org>
Michael van Elst <mlelstv@serpens.de>
Michael Witten <mfwitten@gmail.com>
Michele Sardo
Mik Firestone <fireston@lexmark.com>
Mike Doherty <mike@mikedoherty.ca>
Mike Fletcher <fletch@phydeaux.org>
Mike Giroux <rmgiroux@acm.org>
Mike Guy <mjtg@cam.ac.uk>
Mike Heins <mike@bill.iac.net>
Mike Hopkirk <hops@sco.com>
Mike Kelly <pioto@pioto.org>
Mike Mestnik <MMestnik@rustconsulting.com>
Mike Pomraning <mjp@pilcrow.madison.wi.us>
Mike Rogers
Mike Schilli <m@perlmeister.com>
Mike Sheldrake <mike@sheldrake.net>
Mike Stok <mike@stok.co.uk>
Mike W Ellwood <mwe@rl.ac.uk>
Mikhail Zabaluev <mhz@alt-linux.org>
Milosz Tanski <mtanski@gridapp.com>
Milton L. Hankins <mlh@swl.msd.ray.com>
Misty De Meo <mistydemeo@github.com>
Mohammed El-Afifi <mohammed_elafifi@yahoo.com>
Moritz Lenz <moritz@casella.verplant.org>
Moshe Kaminsky <kaminsky@math.huji.ac.il>
Mottaqui Karim <taqqi.karim@gmail.com>
Mr. Nobody <mrnobo1024@yahoo.com>
Murray Nesbitt <murray@nesbitt.ca>
Nathan Glenn <garfieldnate@gmail.com>
Nathan Kurz <nate@valleytel.net>
Nathan Torkington <gnat@frii.com>
Nathan Trapuzzano <nbtrap@nbtrap.com>
Neale Ferguson <neale@VMA.TABNSW.COM.AU>
Neil Bowers <neil@bowers.com>
Neil Watkiss <neil.watkiss@sophos.com>
Neil Williams <codehelp@debian.org>
Nicholas Clark <nick@ccl4.org>
Nicholas Oxhøj
Nicholas Perez <nperez@cpan.org>
Nick Cleaton <nick@cleaton.net>
Nick Duffek
Nick Gianniotis
Nick Ing-Simmons
Nick Johnston <nickjohnstonsky@gmail.com>
Nick Logan <ugexe@cpan.org>
Nick Williams <Nick.Williams@morganstanley.com>

Nicolas Kaiser <nikai@nikai.net>
Nicolas R. <atoomic@cpan.org>
Niels Thykier <niels@thykier.net>
Nigel Sandever <njsandever@hotmail.com>
Niko Tyni <ntyini@debian.org>
Nikola Knezevic <indy@tesla.rcub.bg.ac.yu>
Nikola Milutinovic
Nikolai Eipel <eipel@web.de>
Noah <sitz@onastick.net>
Nobuhiro Iwamatsu
Noirin Shirley <colmsbook@nerdchic.net>
Norbert Pueschel <pueschel@imsdd.meb.uni-bonn.de>
Norio Suzuki <kipp@shonanblue.ne.jp>
Norman Koch <kochnorman@rocketmail.com>
Norton T. Allen <allen@huarp.harvard.edu>
Nuno Carvalho <mestre.smash@gmail.com>
Offer Kaye <offer.kaye@gmail.com>
Olaf Flebbe <o.flebbe@science-computing.de>
Olaf Titz <olaf@bigred.inka.de>
Oleg Nesterov <oleg@redhat.com>
Olivier Blin <blino@mandriva.com>
Olivier Mengué <dolmen@cpan.org>
Olivier Thauvin <olivier.thauvin@aerov.jussieu.fr>
Olli Savia
Ollivier Robert <roberto@keltia.freenix.fr>
Osvaldo Villalon <ovillalon@dextratech.com>
Owain G. Ainsworth <oga@nicotinebsd.org>
Owen Taylor <owt1@cornell.edu>
Pali <pali@cpan.org>
Papp Zoltan <padre@elte.hu>
parv <parv@pair.com>
Pascal Rigaux <pixel@mandriva.com>
Patrick Donelan <pat@patspam.com>
Patrick Dugnolle <patrick.dugnolle@bnpparibas.com>
Patrick Hayes <Patrick.Hayes.CAP_SESA@renault.fr>
Patrick O'Brien <pdo@cs.umd.edu>
Patrik Häggglund <patrik.h.hagglund@ericsson.com>
Pau Amma <pauamma@gundo.com>
Paul A Sand <pas@unh.edu>
Paul Boven <p.boven@sara.nl>
Paul David Fardy <pdf@morgan.ucs.mun.ca>
Paul Eggert <eggert@twinsun.com>
Paul Evans <leonerdd@leonerdd.org.uk>
Paul Fenwick <pjf@perltraining.com.au>
Paul Gaborit <paul.gaborit@enstimac.fr>
Paul Green <Paul.Green@stratus.com>
Paul Hoffman <phoffman@proper.com>
Paul Holser <Paul.Holser.pholser@nortelnetworks.com>

Paul Johnson <paul@pjcj.net>
Paul Lindner <lindner@inuus.com>
Paul Marquess <paul.marquess@btinternet.com>
Paul Moore <Paul.Moore@uk.origin-it.com>
Paul Rogers <Paul.Rogers@Central.Sun.COM>
Paul Saab <ps@yahoo-inc.com>
Paul Schinder <schinder@pobox.com>
Paul Szabo <psz@maths.usyd.edu.au>
Pavel Kakovský <kan@dcit.cz>
Pavel Zakouril <Pavel.Zakouril@mff.cuni.cz>
Pedro Felipe Horrillo Guerra <pancho@pancho.name>
Per Einar Ellefsen <per.einar@skynet.be>
Perlover <perlover@perlover.com>
Pete Peterson <peterpson@genrad.com>
Peter Avalos <peter@theshell.com>
Peter BARABAS
Peter Chines <pchines@nhgri.nih.gov>
Peter Dintelmann <Peter.Dintelmann@Dresdner-Bank.com>
Peter E. Yee <yee@trident.arc.nasa.gov>
Peter Gessner <peter.gessner@post.rwth-aachen.de>
Peter Gordon <peter@valor.com>
Peter Haworth <pmh@edison.ioppublishing.com>
Peter J. Farley III <pjfarley@banet.net>
Peter J. Holzer <hjp@hjp.at>
Peter Jaspers-Fayer
Peter John Acklam <pjacklam@online.no>
Peter Martini <PeterCMartini@GMail.com>
Peter O'Gorman <peter@pogma.com>
Peter Prymmer <PPrymmer@factset.com>
Peter Rabbitson <ribasushi@cpan.org>
Peter Scott <Peter@PSDT.com>
Peter Valdemar Mørch <pm@capmon.dk>
Peter van Heusden <pvh@junior.uwc.ac.za>
Peter Wolfe <wolfe@teloseng.com>
Petr Písa <ppisar@redhat.com>
Petter Reinholdtsen <pere@hungry.com>
Phil Lobbes <phil@perkpartners.com>
Phil Monsen <philip.monsen@pobox.com>
Phil Pearl (Lobbes) <plobbes@gmail.com>
Philip Boulain <philip.boulain@smoothwall.net>
Philip Guenther <guenther@openbsd.org>
Philip Hazel <ph10@cus.cam.ac.uk>
Philip M. Gollucci <pgollucci@p6m7g8.com>
Philip Newton <pne@cpan.org>
Philippe Bruhat (Book) <book@cpan.org>
Philippe M. Chiasson <gozer@ActiveState.com>
Pierre Bogossian <bogossian@mail.com>
Piers Cawley <pdcauley@bofh.org.uk>

Pino Toscano <pino@debian.org>
Piotr Fusik <pfusik@op.pl>
Piotr Klaban <makler@oryl.man.torun.pl>
Piotr Roszatycki <piotr.roszatycki@gmail.com>
Pip Cet <pipcet@gmail.com>
Pradeep Hodigere <phodigere@yahoo.com>
Prymmer/Kahn <pvhp@best.com>
Quentin Fennessy <quentin@arrakeen.amd.com>
Radu Greab <radu@netsoft.ro>
Rafael Garcia-Suarez <rgs@consttype.org>
Rainer Keuchel <keuchel@allgeier.com>
Rainer Orth <ro@TechFak.Uni-Bielefeld.DE>
Rainer Tammer <tammer@tammer.net>
Rajesh Mandalemula <rajesh.mandalemula@deshaw.com>
Rajesh Vaidheeswarran <rv@gnu.org>
Ralf S. Engelschall <rse@engelschall.com>
Randal L. Schwartz <merlyn@stonehenge.com>
Randall Gellens <randy@qualcomm.com>
Randolf Werner <randolf.werner@sap.com>
Randy J. Ray <rjray@redhat.com>
Randy Stauner <rwstauner@cpan.org>
Randy W. Sims
Raphael Manfredi <Raphael.Manfredi@pobox.com>
Raul Dias <raul@dias.com.br>
Raymund Will <ray@caldera.de>
Redvers Davies <red@criticalintegration.com>
Reini Urban <rurban@cpan.org>
Renee Baecker <module@renee-baecker.de>
Reuben Thomas <rrt@sc3d.org>
Rex Dieter <rdieter@math.unl.edu>
Rhesa Rozendaal <perl@rhesa.com>
Ricardo Signes <rjbs@cpan.org>
Rich Morin <rdm@cfcl.com>
Rich Rauenzahn <rrauenza@hp.com>
Rich Salz <rsalz@bbn.com>
Richard A. Wells <Rwells@uhs.harvard.edu>
Richard Clamp <richardc@unixbeard.net>
Richard Foley <richard.foley@rfi.net>
Richard Hatch <rhatch@austin.ibm.com>
Richard Hitt <rbh00@utsglobal.com>
Richard Kandarian <richard.kandarian@lanl.gov>
Richard L. England <richard_england@mentorg.com>
Richard L. Maus, Jr. <rmaus@monmouth.com>
Richard Leach <rich+perl@hyphen-dash-hyphen.info>
Richard Levitte <levitte@openssl.org>
Richard Möhn <richard.moehn@fu-berlin.de>
Richard Ohnemus <richard_ohnemus@dallas.csd.sterling.com>
Richard Soderberg <p5-authors@crystalflame.net>

Richard Yeh <rcyeh@cco.caltech.edu>
Rick Delaney <rick@consumercontact.com>
Rick Pluta
Rick Smith <ricks@sd.znet.com>
Rickard Westman
Rob Brown <bbb@cpan.org>
Rob Henderson <robh@cs.indiana.edu>
Rob Hoelz <rob@hoelz.ro>
Rob Napier <rnapier@employees.org>
Robert May <robertmay@cpan.org>
Robert Millan <rmh@debian.org>
Robert Partington <rjp@riffraff.plig.net>
Robert Sanders <Robert.Sanders@linux.org>
Robert Sebastian Gerus <arachnist@gmail.com>
Robert Spier <rspier@pobox.com>
Roberto C. Sanchez <roberto@connexer.com>
Robin Barker <RMBarker@cpan.org>
Robin Houston <robin@cpan.org>
Rocco Caputo <troc@netrus.net>
Roderick Schertler <roderick@argon.org>
Rodger Anderson <rodger@boi.hp.com>
Rodolfo Carvalho <rhcavalho@gmail.com>
Ronald F. Guilmette <rfg@monkeys.com>
Ronald J. Kimball <rjk@linguist.dartmouth.edu>
Ronald Schmidt <RonaldWS@aol.com>
Rostislav Skudnov <skrostislav@gmail.com>
Ruben Schattevoy <schattev@imb-jena.de>
Rudolph Todd Maceyko <rm55+@pitt.edu>
Rujith S. de Silva <desilva@netbox.com>
Ruslan Zakirov <ruz@bestpractical.com>
Russ Allbery <rra@stanford.edu>
Russel O'Connor <roconnor@world.std.com>
Russell Fulton <russell@ccu1.auckland.ac.nz>
Russell Mosemann <mose@ccsn.edu>
Ryan Herbert <rherbert@sycamorehq.com>
Ryan Voots <simcop2387@simcop2387.info>
Salvador Fandiño <sfandino@yahoo.com>
Salvador Ortiz Garcia <sog@msg.com.mx>
Sam Kimbrel <kimbrel@me.com>
Sam Tregar <sam@tregar.com>
Sam Vilain <sam@vilain.net>
Samuel Thibault <sthibault@debian.org>
Samuli Kärkkäinen <skarkkai@woods.iki.fi>
Sawyer X <xsawyerx@cpan.org>
Schuyler Erle <schuyler@oreilly.com>
Scott A Crosby <scrosby@cs.rice.edu>
Scott Bronson <bronson@rinspin.com>
Scott Gifford <sgifford@tir.com>

Scott Henry <scotth@sgi.com>
Scott L. Miller <Scott.L.Miller@Compaq.com>
Scott Lanning <lannings@who.int>
Scott Wiersdorf <scott@perlcode.org>
Sean Boudreau <seanb@qnx.com>
Sean Dague <sean@dague.net>
Sean Davis <dive@ender.com>
Sean M. Burke <sburke@cpan.org>
Sean Robinson <robinson_s@sc.maricopa.edu>
Sean Sheedy <seans@ncube.com>
Sebastian Schmidt <yath@yath.de>
Sebastian Steinlechner <steinlechner@gmx.net>
Sebastian Wittmeier <Sebastian.Wittmeier@ginko.de>
Sébastien Aperghis-Tramoni <saper@cpan.org>
Sebastien Barre <Sebastien.Barre@utc.fr>
Sergey Alekseev <varnie29a@mail.ru>
Sergey Aleynikov <sergey.aleynikov@gmail.com>
Sérgio Durigan Júnior <sergiodj@linux.vnet.ibm.com>
Shawn <svicalifornia@gmail.com>
Shawn M Moore <sartak@gmail.com>
Sherm Pendley <sherm@dot-app.org>
Shigeya Suzuki <shigeya@wide.ad.jp>
Shimpei Yamashita <shimpei@socrates.patnet.caltech.edu>
Shinya Hayakawa <hayakawa@livedoor.jp>
Shirakata Kentaro <argrath@ub32.org>
Shishir Gundavaram <shishir@ruby.ora.com>
Shlomi Fish <shlomif@cpan.org>
Shoichi Kaji <skaji@cpan.org>
Simon Cozens <simon@netthink.co.uk>
Simon Glover <scog@roe.ac.uk>
Simon Leinen
Simon Parsons <S.Parsons@ftel.co.uk>
Simon Schubert <corecode@fs.ei.tum.de>
Sinan Unur <sinan@unur.com>
Sisyphus <sisyphus@cpan.org>
Slaven Rezic <slaven@rezic.de>
Smylers <smylers@stripey.com>
Solar Designer <solar@openwall.com>
Spider Boardman <spider@orb.nashua.nh.us>
Spiros Denaxas <s.denaxas@gmail.com>
Sreeji K Das <sreeji_k@yahoo.com>
Stanislaw Pusep <stas@sysd.org>
Stas Bekman <stas@stason.org>
Stefan Seifert <nine@detonation.org>
Steffen Müller <smueller@cpan.org>
Steffen Schwigon <ss5@renormalist.net>
Steffen Ullrich <coyote.frank@gmx.net>
Stepan Kasal <skasal@redhat.com>

Stéphane Payrard <stef@mongueurs.net>
Stephanie Beals <bealzy@us.ibm.com>
Stephen Bennett <sbp@exherbo.com>
Stephen Clouse <stephenc@theiqgroup.com>
Stephen McCamant <smcc@mit.edu>
Stephen O. Lidie <lusol@turkey.cc.Lehigh.EDU>
Stephen Oberholtzer <oliverklozoff@gmail.com>
Stephen P. Potter <spp@ds.net>
Stephen Zander <gibreel@pobox.com>
Stevan Little <stevan@cpan.org>
Steve A Fink <sfink@cs.berkeley.edu>
Steve Grazzini <grazz@pobox.com>
Steve Hay <steve.m.hay@gmail.com>
Steve Kelem <steve.kelem@xilinx.com>
Steve McDougall <swmcd@world.std.com>
Steve Nielsen <spn@enteract.com>
Steve Pearlmitter
Steve Peters <steve@fisharerojo.org>
Steve Purkis <Steve.Purkis@multimap.com>
Steve Vinoski
Steven Hirsch <hirschs@btv.ibm.com>
Steven Humphrey <catchperl@33k.co.uk>
Steven Knight <knight@theopera.baldmt.citilink.com>
Steven Morlock <newspost@morlock.net>
Steven N. Hirsch <hirschs@stargate.btv.ibm.com>
Steven Parkes <parkes@sierravista.com>
Steven Schubiger <schubiger@cpan.org>
Stian Seeberg <sseeberg@nimsoft.no>
Sullivan Beck <sbeck@cpan.org>
Sven Strickroth <sven.strickroth@tu-clausthal.de>
Sven Verdoolaege <skimo@breughel.ufsia.ac.be>
syber <syber@crazypanda.ru>
SynaptiCAD, Inc. <sales@syncad.com>
Tadeusz Sosnierz <tadeusz.sosnierz@onet.pl>
Takis Psarogiannakopoulos <takis@xfree86.org>
Taro KAWAGISHI
Tassilo von Parseval <tassilo.parseval@post.rwth-aachen.de>
Tatsuhiko Miyagawa <miyagawa@bulknews.net>
Ted Ashton <ashted@southern.edu>
Ted Law <tedlaw@cibcwg.com>
Tels <nospam-abuse@bloodgate.com>
Teun Burgers <burgers@ecn.nl>
Thad Floryan <thad@thadlabs.com>
Theo Buehler <theo@math.ethz.ch>
Thomas Bowditch <bowditch@inmet.com>
Thomas Conté <tom@fr.uu.net>
Thomas Dorner <Thomas.Dorner@start.de>
Thomas Kofler

Thomas König
Thomas Pfau <pfau@nbpfaus.net>
Thomas Sibley <tsibley@cpan.org>
Thomas Wegner <wegner_thomas@yahoo.com>
Thorsten Glaser <tg@mirbsd.org>
Tim Adye <T.J.Ady@rl.ac.uk>
Tim Ayers <tayers@bridge.com>
Tim Bunce <Tim.Bunce@pobox.com>
Tim Conrow <tim@spindrift.srl.caltech.edu>
Tim Freeman <tfreeman@infoseek.com>
Tim Jenness <tjenness@cpan.org>
Tim Mooney <mooney@dogbert.cc.ndsu.NoDak.edu>
Tim Sweetman <tim@aldigital.co.uk>
Tim Witham <twitham@pcocd2.intel.com>
Timothe Litt <litt@acm.org>
Timur I. Bakeyev <bsdi@listserv.bat.ru>
Tina Müller <cpan2@tinita.de>
Tkil <tkil@reptile.scryste.com>
Tobias Leich <email@frogs.de>
Toby Inkster <mail@tobyinkster.co.uk>
Todd C. Miller <Todd.Miller@courtesan.com>
Todd Rinaldo <toddr@cpan.org>
Todd T. Fries <todd@fries.int.mrleng.com>
Todd Vierling <tv@duh.org>
Tokuhiro Matsuno <tokuhirom@gmail.com>
Tom Bates <tom_bates@att.net>
Tom Brown <thecap@peach.ece.utexas.edu>
Tom Christiansen <tchrist@perl.com>
Tom Dinger
Tom Horsley <Tom.Horsley@mail.ccur.com>
Tom Hughes <tom@compton.nu>
Tom Hukins <tom@eborcom.com>
Tom Phoenix <rootbeer@teleport.com>
Tom Spindler <dogcow@isi.net>
Tom Wyant <wyant@cpan.org>
Tomasz Konojacki <me@xenu.pl>
Tomoyuki Sadahiro <BQW10602@nifty.com>
Ton Hospel <cpan@ton.iguana.be>
Tony Bowden <tony@kasei.com>
Tony Camas
Tony Cook <tony@develop-help.com>
Tony Sanders <sanders@bsdi.com>
Tor Lillqvist <tml@hemuli.tte.vtt.fi>
Torsten Foertsch <torsten.foertsch@gmx.net>
Torsten Schönfeld <kaffeetisch@gmx.de>
Trevor Blackwell <tlb@viaweb.com>
Tutomu IKEGAMI <t-ikegami@aist.go.jp>
Tuomas J. Lukka <tjl@lukka.student.harvard.edu>

Tye McQueen <tye@metronet.com>
Ulrich Habel <rhaen@NetBSD.org>
Ulrich Kunitz <kunitz@mai-koeln.com>
Ulrich Pfeifer <pfeifer@wait.de>
Unicode Consortium <unicode.org>
Vadim Konovalov <vkonovalov@lucent.com>
Valeriy E. Ushakov <uwe@ptc.spbu.ru>
Vernon Lyon <vlyon@cpan.org>
Victor Adam <victor@drawall.cc>
Victor Efimov <victor@vsesp.ru>
Viktor Turskyi <koorchik@gmail.com>
Ville Skyttä <scop@cs132170.pp.htv.fi>
Vincent Pit <perl@profvince.com>
Vishal Bhatia <vishal@deja.com>
Vitali Peil <vitali.peil@uni-bielefeld.de>
Vlad Harchev <hvv@hippo.ru>
Vladimir Alexiev <vladimir@cs.ualberta.ca>
Vladimir Marek <vlmarek@volny.cz>
Vladimir Timofeev <vovkasm@gmail.com>
Volker Schatz <perldoc@volkerschatz.com>
W. Geoffrey Rommel <grommel@sears.com>
W. Phillip Moore <wpm@ms.com>
Wallace Reis <wreis@cpan.org>
Walt Mankowski <waltman@pobox.com>
Walter Briscoe <w.briscoe@ponl.com>
Warren Hyde <whyde@pezz.sps.mot.com>
Warren Jones <wjones@tc.fluke.com>
Wayne Berke <berke@panix.com>
Wayne Scott <wscott@ichips.intel.com>
Wayne Thompson <Wayne.Thompson@Ebay.sun.com>
Wilfredo Sánchez <wsanchez@mit.edu>
William J. Middleton <William.Middleton@oslo.mobil.telenor.no>
William Mann <wmann@avici.com>
William Middleton <wmiddlet@adobe.com>
William R Ward <hermit@BayView.COM>
William Setzer <William_Setzer@ncsu.edu>
William Williams <biwillia@cisco.com>
William Yardley <perlbug@veggiechinese.net>
Winfried König <win@in.rhein-main.de>
Wolfgang Laun <Wolfgang.Laun@alcatel.at>
Wolfram Humann <w.c.humann@arcor.de>
Xavier Noria <fxn@hashref.com>
YAMASHINA Hio <hio@ymir.co.jp>
Yaroslav Kuzmin <ykuzmin@rocketsoftware.com>
Yary Hluchan
Yasushi Nakajima <sey@jkc.co.jp>
Yitzchak Scott-Thoennes <sthoenna@efn.org>
Yutaka OIWA <oiwa@is.s.u-tokyo.ac.jp>

Yutaka OKAIE
Yutao Feng
Yuval Kogman <nothingmuch@woobling.org>
Yves Orton <demerphq@gmail.com>
Zachary Miller <zcmiller@simon.er.usgs.gov>
Zachary Storer <zacts.3.14159@gmail.com>
Zak B. Elep <zakame@zakame.net>
Zbynek Vyskovsky <kvr@centrum.cz>
Zefram <zefram@fysh.org>
Zsbán Ambrus <ambrus@math.bme.hu>
Ævar Arnfjörð Bjarmason <avar@cpan.org>

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```

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```

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

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Format: <https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>
Upstream-Name: base-passwd
Upstream-Contact: Colin Watson <cjwatson@debian.org>

Files: *

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License: GPL-2

Files:

passwd.master
group.master

License: PD

X-Notes: Originally written by Ian Murdock <imurdock@debian.org> and
Bruce Perens <bruce@pixar.com>.

Files: doc/*

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1.88 vixie-cron 3.0pl1-136ubuntu1

1.88.1 Available under license :

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.\"
.\" @(#)bitstring.3 5.1 (Berkeley) 12/13/89
.\"
```

Found in path(s):

```
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/bitstring.3
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```

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```
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/Makefile
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```

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*/

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*/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/database.c

*/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/misc.c

*/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/job.c

*/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/compat.c

*/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/do_command.c

*/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/user.c

*/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/config.h

*/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/entry.c

*/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/cron.h

*/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/crontab.c

*/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/env.c

*/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/cron.c

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*/

\$Id: INSTALL,v 2.5 1994/01/15 20:43:43 vixie Exp \$

Read the comments at the top of the Makefile, then edit the area marked
'configurable stuff'.

Edit config.h. The stuff I expect you to change is down a bit from the
top of the file, but it's clearly marked. Also look at pathnames.h.

You don't have to create the /var/cron or /var/cron/tabs directories, since
both the daemon and the `crontab' program will do this the first time they
run if they don't exist. You do need to have a /var, though -- just "mkdir
/var" if you don't have one, or you can "mkdir /usr/var; ln -s /usr/var /var"
if you expect your /var to have a lot of stuff in it.

You will also need /usr/local/etc and /usr/local/bin directories unless you
change the Makefile. These will have to be created by hand, but if you are
a long-time Usenet user you probably have them already. /usr/local/man is
where I keep my man pages, but I have the source for `man' and you probably
do not. Therefore you may have to put the man pages into /usr/man/man1,
which will be hard since there will be name collisions. (Note that the man
command was originally written by Bill Joy before he left Berkeley, and it
contains no AT&T code, so it is in UUNET's archive of freely-distributable
BSD code.)

LINUX note: /usr/include/paths.h on some linux systems shows _PATH_SENDMAIL
to be /usr/bin/sendmail even though sendmail is installed in /usr/lib.
you should check this out.

say:
make all

su and say:
make install

Note that if I can get you to "su and say" something just by asking, you have

a very serious security problem on your system and you should look into it.

Edit your /usr/lib/crontab file into little pieces -- see the CONVERSION file for help on this.

Use the `crontab' command to install all the little pieces you just created. Some examples (see below before trying any of these!)

```
crontab -u uucp -r /usr/lib/uucp/crontab.src
crontab -u news -r /usr/lib/news/crontab.src
crontab -u root -r /usr/adm/crontab.src
```

Notes on above examples: (1) the .src files are copied at the time the command is issued; changing the source files later will have no effect until they are reinstalled with another `crontab -r' command. (2) The crontab command will affect the crontab of the person using the command unless `-u USER' is given; `-u' only works for root. When using most `su' commands under most BSD's, `crontab' will still think of you as yourself even though you may think of yourself as root -- so use `-u' liberally. (3) the `-r' option stands for `replace'; check the man page for crontab(1) for other possibilities.

Kill your existing cron daemon -- do `ps aux' and look for /etc/cron.

Edit your /etc/rc or /etc/rc.local, looking for the line that starts up /etc/cron. Comment it out and add a line to start the new cron daemon -- usually /usr/local/etc/cron, unless you changed it in the Makefile.

Start up this cron daemon yourself as root. Just type /usr/local/etc/cron (or whatever); no '&' is needed since the daemon forks itself and the process you executed returns immediately.

ATT notes: for those people unfortunate enough to be stuck on a AT&T UNIX, you will need the public-domain "libndir", found in the B News source and in any comp.sources.unix archive. You will also need to hack the code some.

Found in path(s):

```
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/INSTALL
```

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.\" */
.\"
.\" $Id: crontab.1,v 2.4 1993/12/31 10:47:33 vixie Exp $
.\"
```

Found in path(s):

```
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/crontab.1
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*/
```

Found in path(s):

```
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/compat.h
```

```
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/pathnames.h
```

```
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/externs.h
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.\" */
.\"
.\" $Id: cron.8,v 2.2 1993/12/28 08:34:43 vixie Exp $
.\"
```

Found in path(s):

```
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/cron.8
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*
* @(#)bitstring.h 5.2 (Berkeley) 4/4/90
*/
```

Found in path(s):

```
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/bitstring.h
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```

```

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.\" * Send bug reports, bug fixes, enhancements, requests, flames, etc., and
.\" * I'll try to keep a version up to date. I can be reached as follows:
.\" * Paul Vixie      <paul@vix.com>      uunet!decwrl!vixie!paul
.\" */
.\"
.\" $Id: crontab.5,v 2.4 1994/01/15 20:43:43 vixie Exp $
.\"

```

Found in path(s):

```
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/crontab.5
```

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# * I'll try to keep a version up to date. I can be reached as follows:
# * Paul Vixie      <paul@vix.com>      uunet!decwrl!vixie!paul
# */

```

Vixie Cron V3.0

December 27, 1993

[V2.2 was some time in 1992]

[V2.1 was May 29, 1991]

[V2.0 was July 5, 1990]

[V2.0-beta was December 9, 1988]

[V1.0 was May 6, 1987]

Paul Vixie

This is a version of 'cron' that is known to run on BSD 4.[23] systems. It is functionally based on the SysV cron, which means that each user can have their own crontab file (all crontab files are stored in a read-protected directory, usually /var/cron/tabs). No direct support is provided for 'at'; you can continue to run 'atrun' from the crontab as you have been

doing. If you don't have atrun (i.e., System V) you are in trouble.

A messages is logged each time a command is executed; also, the files "allow" and "deny" in /var/cron can be used to control access to the "crontab" command (which installs crontabs). It hasn't been tested on SysV, although some effort has gone into making the port an easy one.

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To use this: Sorry, folks, there is no cutesy 'Configure' script. You'll have to go edit a couple of files... So, here's the checklist:

Read all the FEATURES, INSTALL, and CONVERSION files

Edit config.h

Edit Makefile

(both of these files have instructions inside; note that some things in config.h are definable in Makefile and are therefore surrounded by #ifndef...#endif)

'make'

'su' and 'make install'

(you may have to install the man pages by hand)

kill your existing cron process

(actually you can run your existing cron if you want, but why?)

build new crontabs using /usr/lib/{crontab,crontab.local}

(either put them all in "root"'s crontab, or divide it up and rip out all the 'su' commands, collapse the lengthy lists into ranges with steps -- basically, this step is as much work as you want to make it)

start up the new cron

(must be done as root)

watch it. test it with 'crontab -r' and watch the daemon track your changes.

if you like it, change your /etc/{rc,rc.local} to use it instead of the old one.

\$Id: README,v 2.3 1993/12/28 08:34:43 vixie Exp \$

Found in path(s):

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/README

1.89 golang 1.10-1ubuntu0.20.04.1

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#
#   http://code.google.com/legal/individual-cla-v1.0.html
#   http://code.google.com/legal/corporate-cla-v1.0.html
#
# The agreement for individuals can be filled out on the web.
#
# When adding J Random Contributor's name to this file,
# either J's name or J's organization's name should be
# added to the AUTHORS file, depending on whether the
# individual or corporate CLA was used.

# Names should be added to this file like so:
#   Individual's name <submission email address>
#   Individual's name <submission email address> <email2> <emailN>
#
# An entry with multiple email addresses specifies that the
# first address should be used in the submit logs and
# that the other addresses should be recognized as the
# same person when interacting with Gerrit.

# Please keep the list sorted.

Aamir Khan <syst3m.w0rm@gmail.com>
Aaron France <aaron.l.france@gmail.com>
Aaron Jacobs <jacobsa@google.com>
Aaron Kemp <kemp.aaron@gmail.com>
Aaron Torres <tcboox@gmail.com>
Aaron Zinman <aaron@azinman.com>
Abe Haskins <abeisgreat@abeisgreat.com>
Abhinav Gupta <abhinav.g90@gmail.com>
Adam Bender <abender@google.com>
Adam Eijdenberg <adam@continusec.com>
```

Adam Kisala <adam.kisala@gmail.com>
Adam Langley <agl@golang.org>
Adam Thomason <athomason@gmail.com>
Aditya Mukerjee <dev@chimeracoder.net>
Adrian Hesketh <adrianhesketh@hushmail.com>
Adrian Nos <nos.adrian@gmail.com>
Adrian O'Grady <elpollouk@gmail.com>
Adrien Bustany <adrien-xx-google@bustany.org>
Acio Jnior <aeciodantasjunior@gmail.com>
Aeneas Rekkas (arekkas) <aeneas@ory.am>
Afanasev Stanislav <phpprogger@gmail.com>
Agis Anastasopoulos <agis.anast@gmail.com>
Agniva De Sarker <agnivade@yahoo.co.in>
Ahmed Waheed Moanes <oneofone@gmail.com>
Ahmet Alp Balkan <ahmetb@google.com>
Ahmy Yulrizka <yulrizka@gmail.com>
Aiden Scandella <ai@uber.com>
Ainar Garipov <gugl.zadolbal@gmail.com>
Aishraj Dahal <aishraj@users.noreply.github.com>
Akhil Indurti <contact@akhilindurti.com>
Akihiro Suda <suda.kyoto@gmail.com>
Akshat Kumar <seed@mail.nanosouffle.net>
Alan Donovan <adonovan@google.com>
Alan Shreve <alan@inconshreveable.com>
Albert Nigmatzianov <albertnigma@gmail.com>
Albert Strasheim <fullung@gmail.com>
Albert Yu <yukinying@gmail.com>
Alberto Bertogli <albertito@blitiri.com.ar>
Alberto Donizetti <alb.donizetti@gmail.com>
Alberto Garca Hierro <alberto@garciahierro.com> <alberto.garcia.hierro@gmail.com>
Aleksandar Dezelin <dezelin@gmail.com>
Alessandro Arzilli <alessandro.arzilli@gmail.com>
Alessandro Baffa <alessandro.baffa@gmail.com>
Alex A Skinner <alex@lx.lc>
Alex Brainman <alex.brainman@gmail.com>
Alex Bramley <abramley@google.com>
Alex Browne <stephenalexbrowne@gmail.com>
Alex Carol <alex.carol.c@gmail.com>
Alex Jin <toalexjin@gmail.com>
Alex Plugaru <alex@plugaru.org> <alexandru.plugaru@gmail.com>
Alex Schroeder <alex@gnu.org>
Alex Sergeev <abc@alexsergeev.com>
Alex Vaghin <crhyme@google.com>
Alexander Demakin <alexander.demakin@gmail.com>
Alexander Dring <email@alex.d.ch>
Alexander Guz <kalimatas@gmail.com>
Alexander Kauer <alexander@affine.space>
Alexander Kucherenko <alxkchr@gmail.com>

Alexander Larsson <alexander.larsson@gmail.com>
Alexander Menzhinsky <amenzhinsky@gmail.com>
Alexander Morozov <lk4d4math@gmail.com>
Alexander Neumann <alexander@bumpen.de>
Alexander Orlov <alexander.orlov@loxal.net>
Alexander Pantyukhin <apantykhin@gmail.com>
Alexander Polcyn <apolcyn@google.com>
Alexander Reece <awreece@gmail.com>
Alexander Surma <surma@surmair.de>
Alexander Zhavnerchik <alex.vizor@gmail.com>
Alexander Zolotov <goldifit@gmail.com>
Alexandre Cesaro <alexandre.cesaro@gmail.com>
Alexandre Fiori <fiorix@gmail.com>
Alexandre Normand <alexandre.normand@gmail.com>
Alexandre Parentea <aubonbeurre@gmail.com>
Alexandru Mooi <brtznr@gmail.com>
Alexei Sholik <alcosholik@gmail.com>
Alexey Borzenkov <snaury@gmail.com>
Alexey Neganov <neganovalexey@gmail.com>
Alexey Palazhchenko <alexey.palazhchenko@gmail.com>
Alexis Hildebrandt <surryhill@gmail.com>
Alexis Hunt <lexer@google.com>
Alexis Imperial-Legrand <ail@google.com>
Aliaksandr Valialkin <valyala@gmail.com>
Alif Rachmawadi <subosito@gmail.com>
Allan Simon <allan.simon@supinfo.com>
Alok Menghrajani <alok.menghrajani@gmail.com>
Aman Gupta <aman@tmm1.net>
Amir Mohammad Saied <amir@gluegadget.com>
Amrut Joshi <amrut.joshi@gmail.com>
Anand K. Mistry <anand@mistry.ninja>
Anders Pearson <anders@columbia.edu>
Andr Carvalho <asantostc@gmail.com>
Andre Nathan <andrenth@gmail.com>
Andrea Spadaccini <spadaccio@google.com>
Andreas Auernhammer <aead@mail.de>
Andreas Jellinghaus <andreas@ionisiert.de> <anj@google.com>
Andreas Litt <andreas.litt@gmail.com>
Andrei Korzhevskii <a.korzhevskiy@gmail.com>
Andrei Vieru <euvieru@gmail.com>
Andres Erbsen <andreser@google.com>
Andrew Austin <andrewacht@gmail.com>
Andrew Balholm <andybalholm@gmail.com>
Andrew Benton <andrewmbenton@gmail.com>
Andrew Bonventre <andybons@chromium.org>
Andrew Bursavich <abursavich@gmail.com>
Andrew Ekstedt <andrew.ekstedt@gmail.com>
Andrew Etter <andrew.etter@gmail.com>

Andrew Gerrand <adg@golang.org>
Andrew Harding <andrew@spacemonkey.com>
Andrew Jackura <ajackura@google.com>
Andrew Lutomirski <andy@luto.us>
Andrew Pilloud <andrewpilloud@igneoussystems.com>
Andrew Pogrebnoy <absourd.noise@gmail.com>
Andrew Pritchard <awpritchard@gmail.com>
Andrew Radev <andrey.radev@gmail.com>
Andrew Skiba <skibaa@gmail.com>
Andrew Szeto <andrew@jabagawee.com>
Andrew Werner <andrew@upthere.com> <awerner32@gmail.com>
Andrew Wilkins <axwalk@gmail.com>
Andrew Williams <williams.andrew@gmail.com>
Andrey Mirtchovski <mirtchovski@gmail.com>
Andrey Petrov <andrey.petrov@shazow.net>
Andrii Soldatenko <andrii.soldatenko@gmail.com>
Andrii Soluk <isoluchok@gmail.com>
Andriy Lytvynov <lytvynov.a.v@gmail.com>
Andrzej eel <andrii.zhezhel@gmail.com>
Andy Balholm <andy@balholm.com>
Andy Davis <andy@bigandian.com>
Andy Finkenstadt <afinkenstadt@zynga.com>
Andy Maloney <asmaloney@gmail.com>
Andy Walker <walkeraj@gmail.com>
Anfernee Yongkun Gui <anfernee.gui@gmail.com>
Angelo Bulfone <mbulfone@gmail.com>
Anh Hai Trinh <anh.hai.trinh@gmail.com>
Anmol Sethi <anmol@aubble.com>
Anschel Schaffer-Cohen <anschelsc@gmail.com>
Anthony Alves <cvballa3g0@gmail.com>
Anthony Canino <anthony.canino1@gmail.com>
Anthony Eufemio <anthony.eufemio@gmail.com>
Anthony Martin <ality@pbrane.org>
Anthony Sottile <asottile@umich.edu>
Anthony Starks <ajstarks@gmail.com>
Anthony Voutas <voutasaurus@gmail.com>
Anthony Woods <awoods@raintank.io>
Antoine Martin <antoine97.martin@gmail.com>
Antonio Bibiano <antbbn@gmail.com>
Antonio Murdaca <runcom@redhat.com>
Antonio Troina <thoeni@gmail.com>
Apisak Darakananda <pongad@gmail.com>
Aram Hvrneanu <aram@mgk.ro>
Areski Belaid <areski@gmail.com>
Ariel Mashraki <ariel@mashraki.co.il>
Arkadi Pyuro <arkadi@google.com>
Arlo Breault <arlolra@gmail.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>
Atin Malaviya <amalaviy@akamai.com>
Ato Araki <ato.araki@gmail.com>
Audrey Lim <audreylh@gmail.com>
Augusto Roman <aroman@gmail.com>
Aulus Egnatius Varialus <varialus@gmail.com>
Austin Clements <austin@google.com> <aclements@csail.mit.edu>
awaw fumin <awawfumin@gmail.com>
Awn Umar <awn@cryptolosophy.io>
Axel Wagner <axel.wagner.hh@googlemail.com>
Ayanamist Yang <ayanamist@gmail.com>
Aymerick Jhanne <aymerick@jehanne.org>
Baiju Muthukadan <baiju.m.mail@gmail.com>
Balazs Lecz <leczb@google.com>
Bartosz Grzybowski <melkorm@gmail.com>
Bastian Ike <bastian.ike@gmail.com>
Ben Burkert <ben@benburkert.com>
Ben Eitzen <eitzenb@golang.org>
Ben Fried <ben.fried@gmail.com>
Ben Haines <bhainesva@gmail.com>
Ben Laurie <ben@links.org> <benl@google.com>
Ben Lubar <ben.lubar@gmail.com>
Ben Lynn <benlynn@gmail.com>
Ben Olive <sionide21@gmail.com>
Ben Schwartz <bemasc@google.com>
Ben Shi <powerman1st@163.com>
Benjamin Black <b@b3k.us>
Benjamin Prosnitz <bprosnitz@google.com>
Benjamin Wester <bwester@squareup.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 O'Farrell <billo@ca.ibm.com>
Bill Prin <waprin@google.com>
Bill Thiede <couchmoney@gmail.com>
Billie Harold Cleek <bhcleek@gmail.com>
Billy Lynch <wlynch@google.com>
Bjorn Tillenius <bjorn@tillenius.me>
Bjorn Tipling <bjorn.tipling@gmail.com>
Blain Smith <rebelgeek@blainsmith.com>
Blake Gentry <blakesgentry@gmail.com>
Blake Mesdag <blakemesdag@gmail.com>

Blake Mizerany <blake.mizerany@gmail.com>
Blixt <me@blixt.nyc>
Bobby Powers <bobbypowers@gmail.com>
Boris Nagaev <nagaev@google.com>
Borja Clemente <borja.clemente@gmail.com>
Brad Burch <brad.burch@gmail.com>
Brad Fitzpatrick <bradfitz@golang.org> <bradfitz@gmail.com>
Brad Garcia <bgarcia@golang.org>
Brad Jones <rbjones@google.com>
Brad Whitaker <bwhitaker@fastly.com>
Braden Bassingthwaite <bbassingthwaite@vendasta.com>
Brady Catherman <brady@gmail.com>
Brady Sullivan <brady@bsull.com>
Brandon Bennett <bbennett@fb.com>
Brandon Gilmore <varz@google.com>
Brendan Daniel Tracey <tracey.brendan@gmail.com>
Brendan O'Dea <bod@golang.org>
Brett Cannon <bcannon@gmail.com>
Brett Merrill <brett.j.merrill94@gmail.com>
Brian Dellisanti <briandellisanti@gmail.com>
Brian Downs <brian.downs@gmail.com>
Brian G. Merrell <bgmerrell@gmail.com>
Brian Gitonga Marete <marete@toshnix.com> <bgmarete@gmail.com> <bgm@google.com>
Brian Kennedy <btkenedy@gmail.com>
Brian Kessler <brian.m.kessler@gmail.com>
Brian Ketelsen <bketelsen@gmail.com>
Brian Slesinsky <skybrian@google.com>
Brian Smith <ohohvi@gmail.com>
Brian Starke <brian.starke@gmail.com>
Bryan Alexander <Kozical@msn.com>
Bryan C. Mills <bcmills@google.com>
Bryan Chan <bryan.chan@ca.ibm.com>
Bryan Ford <brynosaurus@gmail.com>
Bulat Gaifullin <gaifullinbf@gmail.com>
Burak Guven <bguven@gmail.com>
Caine Tighe <arctanofyourface@gmail.com>
Caio Marcelo de Oliveira Filho <caio.oliveira@intel.com>
Caleb Spare <cespare@gmail.com>
Carl Chatfield <carlchatfield@gmail.com>
Carl Henrik Lunde <chlunde@ifi.uio.no>
Carl Jackson <carl@stripe.com>
Carl Johnson <me@carlmjohnson.net>
Carl Mastrangelo <notcarl@google.com>
Carl Shapiro <cshapiro@google.com> <cshapiro@golang.org>
Carlisia Campos <carlisia@grokkingtech.io>
Carlo Alberto Ferraris <cafxx@strayorange.com>
Carlos Castillo <cookieo9@gmail.com>
Carlos Cirello <uldericofilho@gmail.com>

Carlos Eduardo Seo <cseo@linux.vnet.ibm.com>
Carolyn Van Slyck <me@carolynvanslyck.com>
Cary Hull <chull@google.com>
Case Nelson <case.nelson@gmail.com>
Casey Marshall <casey.marshall@gmail.com>
Catalin Nicutar <cnicutar@google.com>
Catalin Patulea <catalinp@google.com>
Cedric Staub <cs@squareup.com>
Cezar S Espinola <cezarsa@gmail.com>
ChaiShushan <chaishushan@gmail.com>
Charles Fenwick Elliott <Charles@FenwickElliott.io>
Charles L. Dorian <cldorian@gmail.com>
Charles Lee <zombie.fml@gmail.com>
Charles Weill <weill@google.com>
Cherry Zhang <cherryyz@google.com>
Chew Choon Keat <choonkeat@gmail.com>
Cholerae Hu <choleraehyq@gmail.com>
Chris Ball <chris@printf.net>
Chris Biscardi <chris@christopherbiscardi.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>
Chris Raynor <raynor@google.com>
Chris Roche <rodaine@gmail.com>
Chris Stockton <chrisstocktonaz@gmail.com>
Chris Zou <chriszou@ca.ibm.com>
Christian Alexander <christian@linux.com>
Christian Couder <chriscool@tuxfamily.org>
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 Henderson <chris@chenderson.org>
Christopher Koch <chrisko@google.com>
Christopher Nelson <nadiasvertex@gmail.com>
Christopher Nielsen <m4dh4tt3r@gmail.com>
Christopher Redden <christopher.redden@gmail.com>
Christopher Swenson <cswenson@google.com>

Christopher Wedgwood <cw@f00f.org>
Christos Zoulas <christos@zoulas.com> <zoulasc@gmail.com>
Christy Perez <christy@linux.vnet.ibm.com>
CL Sung <clsung@gmail.com> <cl_sung@htc.com>
Clement Skau <clementska@gmail.com>
Cody Oss <the.cody.oss@gmail.com>
Colby Ranger <cranger@google.com>
Colin Cross <ccross@android.com>
Colin Edwards <colin@recursivepenguin.com>
Colin Kennedy <moshen.colin@gmail.com>
Conrad Irwin <conrad.irwin@gmail.com>
Conrad Meyer <cemeyer@cs.washington.edu>
Corey Thomasson <cthom.lists@gmail.com>
Cosmos Nicolaou <cnicolaou@google.com>
Costin Chirvasuta <ctin@google.com>
Cristian Staretu <unclejacksons@gmail.com>
Cuihtlauac ALVARADO <cuihtlauac.alvarado@orange.com>
Cyrill Schumacher <cyrill@schumacher.fm>
Daisuke Fujita <dtanshi45@gmail.com>
Daker Fernandes Pinheiro <daker.fernandes.pinheiro@intel.com>
Damian Gryski <dgryski@gmail.com>
Damien Lespiau <damiens.lespiau@gmail.com> <damiens.lespiau@intel.com>
Damien Neil <dneil@google.com>
Dan Ballard <dan@mindstab.net>
Dan Caddigan <goldcaddy77@gmail.com>
Dan Callahan <dan.callahan@gmail.com>
Dan Harrington <harringtond@google.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 Mart <mvdan@mvdan.cc>
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 Speichert <daniel@speichert.pl>
Daniel Theophanes <kardianos@gmail.com>
Daniel Upton <daniel@floppy.co>
Daniela Petruzalek <daniela.petruzalek@gmail.com>
Danny Rosseau <daniel.rosseau@gmail.com>
Daria Kolistratova <daria.kolistratova@intel.com>
Darren Elwood <darren@textnode.com>

Datong Sun <dndx@idndx.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>
Dave MacFarlane <driusan@gmail.com>
David Anderson <danderson@google.com>
David Barnett <dbarnett@google.com>
David Benjamin <davidben@google.com>
David Brophy <dave@brophy.uk>
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 Hubbard <dsp@google.com>
David Jakob Fritz <david.jakob.fritz@gmail.com>
David Lazar <lazard@golang.org>
David Leon Gil <coruus@gmail.com>
David McLeish <davemc@google.com>
David NewHamlet <david@newhamlet.com>
David Presotto <presotto@gmail.com>
David R. Jenni <david.r.jenni@gmail.com>
David Sansome <me@davidsansome.com>
David Stainton <dstainton415@gmail.com>
David Symonds <dsymonds@golang.org>
David Thomas <davidthomas426@gmail.com>
David Titarenco <david.titarenco@gmail.com>
David Volquartz Lebech <david@lebech.info>
Davies Liu <davies.liu@gmail.com>
Davor Kapsa <davor.kapsa@gmail.com>
Dean Prichard <dean.prichard@gmail.com>
Deepak Jois <deepak.jois@gmail.com>
Denis Bernard <db047h@gmail.com>
Denis Brandolini <denis.brandolini@gmail.com>
Denis Nagorny <denis.nagorny@intel.com>
Denys Honsiorovskiy <honsiorovskiy@gmail.com>
Derek Buitenhuis <derek.buitenhuis@gmail.com>
Derek Che <drc@yahoo-inc.com>
Derek McGowan <derek@mcgstyle.net>
Derek Parker <parkerderek86@gmail.com>
Derek Shockey <derek.shockey@gmail.com>

Devon H. O'Dell <devon.odell@gmail.com>
Dhaivat Pandit <dhaivatpandit@gmail.com>
Dhananjay Nakrani <dhananjayn@google.com>
Dhiru Kholia <dhiru.kholia@gmail.com>
Di Xiao <dixiao@google.com>
Didier Spezia <didier.06@gmail.com>
Dieter Plaetinck <dieter@raintank.io>
Dimitri Teaciuc <dtcaciuc@gmail.com>
Dirk Gadsden <dirk@esherido.com>
Diwaker Gupta <diwakergupta@gmail.com>
Dmitri Popov <operator@cv.dp-net.com>
Dmitri Shuralyov <shurcool@gmail.com>
Dmitriy Dudkin <dudkin.dmitriy@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>
Dominic Green <dominicgreen1@gmail.com>
Dominik Honnef <dominik.honnef@gmail.com>
Dominik Vogt <vogt@linux.vnet.ibm.com>
Donald Huang <don.hcd@gmail.com>
Dong-hee Na <donghee.na92@gmail.com>
Donovan Hide <donovanhide@gmail.com>
Doug Anderson <douga@google.com>
Doug Fawley <dfawley@google.com>
Drew Hintz <adhintz@google.com>
Duncan Holm <mail@frou.org>
Dustin Carlino <dcarlino@google.com>
Dustin Herbison <djherbis@gmail.com>
Dustin Long <dustmop@gmail.com>
Dustin Sallings <dsallings@gmail.com>
Dustin Shields-Cloues <dcloues@gmail.com>
Dvir Volk <dvir@everything.me> <dvirsky@gmail.com>
Dylan Waits <dylan@waits.io>
Edan Bedrik <3d4nb3@gmail.com>
Eden Li <eden.li@gmail.com>
Edward Muller <edwardam@interlix.com>
Egon Elbre <egonelbre@gmail.com>
Ehren Kret <ehren.kret@gmail.com>
Eitan Adler <lists@eitanadler.com>
Eivind Uggedal <eivind@uggedal.com>
Elbert Fliek <efliek@gmail.com>
Elena Grahovac <elena@grahovac.me>
Elias Naur <elias.naur@gmail.com>
Elliot Morrison-Reed <elliottmr@gmail.com>
Emerson Lin <linyintor@gmail.com>
Emil Hessman <c.emil.hessman@gmail.com> <emil@hessman.se>

Emilien Kenler <hello@emilienkenler.com>
Emmanuel Odeke <emm.odeke@gmail.com> <odeke@ualberta.ca>
Eoghan Sherry <ejsherry@gmail.com>
Eric Chiang <eric.chiang.m@gmail.com>
Eric Clark <zerohp@gmail.com>
Eric Engestrom <eric@engestrom.ch>
Eric Garrido <ekg@google.com>
Eric Koleda <ekoleda+devrel@google.com>
Eric Lagergren <ericscottlagergren@gmail.com>
Eric Milliken <emilliken@gmail.com>
Eric Rescorla <ekr@rtfm.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 Staab <estaab@google.com>
Erik Westrup <erik.westrup@gmail.com>
Ernest Chiang <ernest_chiang@htc.com>
Esko Luontola <esko.luontola@gmail.com>
Ethan Burns <eaburns@google.com>
Ethan Miller <eamiller@us.ibm.com>
Euan Kemp <euank@euank.com>
Evan Broder <evan@stripe.com>
Evan Brown <evanbrown@google.com>
Evan Hicks <evan.hicks2@gmail.com>
Evan Jones <ej@evanjones.ca>
Evan Kroske <evankroske@google.com>
Evan Martin <evan.martin@gmail.com>
Evan Phoenix <evan@phx.io>
Evan Shaw <chickencha@gmail.com>
Evgeniy Polyakov <zbr@ioremap.net>
Ewan Chou <coocood@gmail.com>
Ewan Valentine <ewan.valentine89@gmail.com>
Eyal Posener <posener@gmail.com>
Fabian Wickborn <fabian@wickborn.net>
Fabian Zaremba <fabian@youremail.eu>
Fabrizio Milo <mistobaan@gmail.com>
Faiyaz Ahmed <ahmedf@vmware.com>
Fan Hongjian <fan.howard@gmail.com>
Fangming Fang <fangming.fang@arm.com>
Fannie Zhang <fannie.zhang@arm.com>
Fatih Arslan <fatih@arslan.io>
Fazal Majid <majid@apsalar.com>
Fazlul Shahriar <fshahriar@gmail.com>
Federico Simoncelli <fsimonce@redhat.com>
Fedor Indutny <fedor@indutny.com>
Felipe Oliveira <felipeweb.programador@gmail.com>
Felix Geisendrfer <haimuiba@gmail.com>

Filip Gruszczyski <gruszcz@ gmail.com>
Filippo Valsorda <filippo@cloudflare.com> <hi@filippo.io>
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 Rojas <francisco.rojas.gallegos@ gmail.com>
Francisco Souza <franciscossouza@ gmail.com>
Frank Somers <fsomers@arista.com>
Frederic Guillot <frederic.guillot@ gmail.com>
Frederick Kelly Mayle III <frederickmayle@ gmail.com>
Fredrik Enestad <fredrik.enestad@soundtrackyourbrand.com>
Fredrik Forsmo <fredrik.forsmo@ gmail.com>
Frithjof Schulze <schulze@math.uni-hannover.de> <sfrithjof@ gmail.com>
Frits van Bommel <fvbommel@ gmail.com>
Fumitoshi Ukai <ukai@ google.com>
Gaal Yahas <gaal@ google.com>
Gabrel Arthr Ptursson <gabriel@system.is>
Gabriel Aszalos <gabriel.aszalos@ gmail.com>
Gabriel Nicolas Avellaneda <avellaneda.gabriel@ gmail.com>
Gabriel Russell <gabriel.russell@ gmail.com>
Gareth Paul Jones <gpj@foursquare.com>
Garret Kelly <gdk@ google.com>
Garrick Evans <garrick@ google.com>
Gary Burd <gary@beagledreams.com> <gary.burd@ gmail.com>
Gary Elliott <garyelliott@ google.com>
Gaurish Sharma <contact@aurishsharma.com>
Gautham Thambidorai <gautham.dorai@ gmail.com>
Geert-Johan Riemer <gjr19912@ gmail.com>
Gengliang Wang <ltnwgl@ gmail.com>
Geoff Berry <gberry.qdt@qualcommdatacenter.com>
Geoffroy Lorieux <lorieux.g@ gmail.com>
Georg Reinke <guelfey@ gmail.com>
George Gkirtsou <ggirtsou@ 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>
Gleb Stepanov <glebstepanov1992@ 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>
Grant Griffiths <ggp493@gmail.com>
Greg Poirier <greg.istehbest@gmail.com>
Greg Ward <greg@gerg.ca>
Gregory Man <man.gregory@gmail.com>
Guilherme Garnier <guilherme.garnier@gmail.com>
Guilherme Rezende <guilhermebr@gmail.com>
Guillaume J. Charmes <guillaume@charmes.net>
Guobiao Mei <meiguobiao@gmail.com>
Gustav Paul <gustav.paul@gmail.com>
Gustav Westling <gustav@westling.xyz>
Gustavo Franco <gustavorfranco@gmail.com>
Gustavo Niemeyer <gustavo@niemeyer.net> <n13m3y3r@gmail.com>
Gwenael Treguier <gwenn.kahz@gmail.com>
Gyu-Ho Lee <gyuhox@gmail.com>
H. brahim Gngr <igungor@gmail.com>
Hajime Hoshi <hajimehoshi@gmail.com>
Hallgrimur Gunnarsson <halg@google.com>
Han-Wen Nienhuys <hanwen@google.com>
Hang Qian <hangqian90@gmail.com>
Hanjun Kim <hallazzang@gmail.com>
Hari haran <hariharan.uno@gmail.com>
Hariharan Srinath <srinathh@gmail.com>
Harley Laue <losinggeneration@gmail.com>
Harry Moreno <morenoh149@gmail.com>
Harshavardhana <hrshvardhana@gmail.com>
Hauke Lffler <hloeffler@users.noreply.github.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>
Henrik Hodne <henrik@hodne.io>
Henry Adi Sumarto <henry.adisumarto@gmail.com>
Henry Bubert <google@mindeco.de>
Henry Chang <mr.changyuheng@gmail.com>
Herbert Georg Fischer <herbert.fischer@gmail.com>
Herbie Ong <herbie@google.com>
Heschi Kreinick <heschi@google.com>
Hilko Bengen <bengen@hilluzination.de>
Hiroaki Nakamura <hnakamur@gmail.com>
Hironao OTSUBO <motemen@gmail.com>
Hiroshi Ioka <hirochachacha@gmail.com>
Hitoshi Mitake <mitake.hitoshi@gmail.com>
Holden Huang <ttyh061@gmail.com>
Hong Ruiqi <hongruiqi@gmail.com>
Hongfei Tan <feilengcui008@gmail.com>

Hossein Sheikh Attar <hattar@google.com>
Hsin Tsao <tsao@google.com>
Hsin-Ho Yeh <yhh92u@gmail.com>
Hu Keping <hukeping@huawei.com>
Hugues Bruant <hugues.bruant@gmail.com>
Hyang-Ah Hana Kim <hakim@google.com> <hyangah@gmail.com>
Ian Gudger <ian@loosescre.ws>
Ian Kent <iankent85@gmail.com>
Ian Lance Taylor <iant@golang.org>
Ibrahim AshShohail <ibra.sho@gmail.com>
Icarus Sparry <golang@icarus.freeuk.com>
Iccha Sethi <icchasethi@gmail.com>
Idora Shinatose <idora.shinatose@gmail.com>
Igor Bernstein <igorbernstein@google.com>
Igor Dolzikhov <bluesriverz@gmail.com>
Igor Vashyst <ivashyst@gmail.com>
Ilya Tocar <ilya.tocar@intel.com>
INADA Naoki <songofacandy@gmail.com>
Inanc Gumus <m@inanc.io>
Ingo Krabbe <ikrabbe.ask@gmail.com>
Ingo Oeser <nightlyone@googlemail.com> <nightlyone@gmail.com>
Irieda Noboru <irieda@gmail.com>
Isaac Wagner <ibw@isaacwagner.me>
Iskander Sharipov <iskander.sharipov@intel.com>
Ivan Babrou <ivan@cloudflare.com>
Ivan Bertona <ivan.bertona@gmail.com>
Ivan Krasin <krasin@golang.org>
Ivan Moscoso <moscoso@gmail.com>
Ivan Ukhov <ivan.ukhov@gmail.com>
Jaana Burcu Dogan <jbd@google.com> <jbd@golang.org> <burcujdogan@gmail.com>
Jack Lindamood <jlindamo@justin.tv>
Jacob Baskin <jbaskin@google.com>
Jacob H. Haven <jacob@cloudflare.com>
Jacob Hoffman-Andrews <github@hoffman-andrews.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 Bardin <j.bardin@gmail.com>
James Chacon <jchacon@google.com>
James Clarke <jrtc27@jrtc27.com>
James Cowgill <James.Cowgill@imgtec.com>
James David Chalfant <james.chalfant@gmail.com>
James Fysh <james.fysh@gmail.com>
James Gray <james@james4k.com>
James Hartig <fastest963@gmail.com>
James Lawrence <jljatone@gmail.com>

James Meneghello <rawrz0r@gmail.com>
James Myers <jfmyers9@gmail.com>
James Neve <jamesoneve@gmail.com>
James P. Cooper <jamespcooper@gmail.com>
James Robinson <jamesr@google.com> <jamesr.gatech@gmail.com>
James Schofield <james@shoeboxapp.com>
James Smith <jrs1995@icloud.com>
James Sweet <james.sweet88@googlemail.com>
James Toy <nil@opensesame.st>
James Treanor <jtreanor3@gmail.com>
James Tucker <raggi@google.com>
James Whitehead <jnwhiteh@gmail.com>
Jamie Beverly <jamie.r.beverly@gmail.com>
Jamie Gennis <jgennis@google.com> <jgennis@gmail.com>
Jamie Kerr <jkerr113@googlemail.com>
Jamie Liu <jamieliu@google.com>
Jamie Stackhouse <contin673@gmail.com>
Jamie Turner <jamwt@dropbox.com>
Jamie Wilkinson <jaq@spacepants.org>
Jamil Djadala <djadala@gmail.com>
Jan Berktold <jan@berktold.co>
Jan H. Hosang <jan.hosang@gmail.com>
Jan Kratochvil <jan.kratochvil@redhat.com>
Jan Mercl <0xjnml@gmail.com> <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>
Jared Culp <jculp14@gmail.com>
Jaroslavas Poepko <jp@webmaster.ms>
Jason Barnett <jason.w.barnett@gmail.com>
Jason Buberel <jbuberel@google.com>
Jason Chu <jasonchujc@gmail.com>
Jason Del Ponte <delpontej@gmail.com>
Jason Hall <jasonhall@google.com>
Jason Smale <jsmale@zendesk.com>
Jason Travis <infomaniac7@gmail.com>
Jason Wangsadinata <jwangsadinata@gmail.com>
Javier Segura <javism@gmail.com>
Jay Conrod <jayconrod@google.com>
Jay Weisskopf <jay@jayschwa.net>
Jean-Francois Cantin <jfcantin@gmail.com>
Jean-Marc Eurin <jmeurin@google.com>
Jean-Nicolas Moal <jn.moal@gmail.com>
Jed Denlea <jed@fastly.com>
Jeet Parekh <jeetparekh96@gmail.com>
Jeff (Zhefu) Jiang <jeffjiang@google.com>
Jeff Craig <jeffcraig@google.com>
Jeff Hodges <jeff@somethingsimilar.com>

Jeff Johnson <jrjohnson@google.com>
Jeff R. Allen <jra@nella.org> <jeff.allen@gmail.com>
Jeff Sickel <jas@corpus-callosum.com>
Jeff Wendling <jeff@spacemonkey.com>
Jeffrey H <jeffreyh192@gmail.com>
Jelte Fennema <github-tech@jeltef.nl>
Jens Frederich <jfrederich@gmail.com>
Jeremiah Harmsen <jeremiah@google.com>
Jeremy Jackins <jeremyjackins@gmail.com>
Jeremy Schlatter <jeremy.schlatter@gmail.com>
Jeroen Bobbeldijk <jerbob92@gmail.com>
Jess Frazelle <me@jessfraz.com>
Jesse Szwedko <jesse.szwedko@gmail.com>
Jianing Yu <jnyu@google.com>
Jianqiao Li <jianqiaoli@google.com>
Jihyun Yu <yjh0502@gmail.com>
Jim Cote <jfcote87@gmail.com>
Jim Kingdon <jim@bolt.me>
Jim McGrath <jimmc2@gmail.com>
Jimmy Frasche <soapboxcicero@gmail.com>
Jimmy Zelinskie <jimmyzelinskie@gmail.com>
Jin-wook Jeong <jeweljar@hanmail.net>
Jingcheng Zhang <diogin@gmail.com>
Jingguo Yao <yaojingguo@gmail.com>
Jiong Du <londdevil@gmail.com>
Jirka Dank <dnk@mail.muni.cz>
Jiulong Wang <jiulongw@gmail.com>
Joakim Sernbrant <serbaut@gmail.com>
Joe Farrell <joe2farrell@gmail.com>
Joe Harrison <joehazzers@gmail.com>
Joe Henke <joed.henke@gmail.com>
Joe Kyo <xunianzu@gmail.com>
Joe Poirier <jdpoirier@gmail.com>
Joe Richey joerichy@google.com <joerichy@google.com>
Joe Shaw <joe@joeshaw.org>
Joe Sylve <joe.sylve@gmail.com>
Joe Tsai <joetsai@digital-static.net>
Joel Sing <jsing@google.com>
Jol Stemmer <jstemmer@google.com>
Joel Stemmer <stemmertech@gmail.com>
Joey Geiger <jgeiger@users.noreply.github.com>
Johan Brandhorst <johan.brandhorst@gmail.com>
Johan Euphrosine <proppy@google.com>
Johan Sageryd <j@1616.se>
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 Jeffery <jjeffery@sp.com.au>
John Jenkins <twodopeshaggy@gmail.com>
John Newlin <jnewlin@google.com>
John Potocny <johnp@vividcortex.com>
John R. Lenton <jlenton@gmail.com>
John Schnake <schnake.john@gmail.com>
John Shahid <jvshahid@gmail.com>
John Tuley <john@tuley.org>
Johnny Luo <johnnyluo1980@gmail.com>
Jon Chen <jchen@justin.tv>
Jonathan Allie <jonallie@google.com>
Jonathan Amsterdam <jba@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 Stacks <jonstacks13@gmail.com>
Jonathan Wills <runningwild@gmail.com>
Jongmin Kim <atomaths@gmail.com>
Joonas Kuorilehto <joneskoo@derbian.fi>
Joop Kiefte <ikojba@gmail.com> <joop@kiefte.net>
Jordan Krage <jmank88@gmail.com>
Jordan Lewis <jordanthelewis@gmail.com>
Jos Visser <josv@google.com>
Jose Luis Vazquez Gonzlez <josvazg@gmail.com>
Joseph Bonneau <jcb@google.com>
Joseph Holsten <joseph@josephholsten.com>
Josh Bleecher Snyder <josharian@gmail.com>
Josh Chorlton <jchorlton@gmail.com>
Josh Deprez <josh.deprez@gmail.com>
Josh Goebel <dreamer3@gmail.com>
Josh Hoak <jhoak@google.com>
Josh Holland <jrh@joshh.co.uk>
Josh Roppo <joshroppo@gmail.com>
Joshua Boelter <joshua.boelter@intel.com>
Joshua Chase <jcjosuachase@gmail.com>
Joshua Rubin <joshua@rubixconsulting.com>
Josselin Costanzi <josselin@costanzi.fr>
Jostein Stuhaug <js@solidsystem.no>
JP Sugarbroad <jpsugar@google.com>
JT Olds <jtolds@xnet5.com>

Juan Carlos <juanjcsr@gmail.com>
Jude Pereira <judebpereira@gmail.com>
Jukka-Pekka Kekkonen <karatepekka@gmail.com>
Julia Hansbrough <flowerhack@google.com>
Julian Kornberger <jk+github@digineo.de>
Julian Pastarmov <pastarmovj@google.com>
Julian Phillips <julian@quantumfyre.co.uk>
Julien Schmidt <google@julienschmidt.com>
Julio Montes <julio.montes@intel.com>
Jungho Ahn <jhahn@google.com>
Junya Hayashi <ledmonster@gmail.com>
Jure Ham <jure.ham@zemanta.com>
Justin Nu <nuss.justin@gmail.com>
Justyn Temme <justyntemme@gmail.com>
Kai Backman <kaib@golang.org>
Kai Trukenmiller <ktye78@gmail.com>
Kale Blankenship <kale@lemnisis.com>
Kaleb Elwert <kelwert@atlassian.com>
Kamal Aboul-Hosn <aboulhosn@google.com>
Kamil Chmielewski <kamil.chm@gmail.com>
Kamil Kisiel <kamil@kamilkisiel.net> <kamil.kisiel@gmail.com>
Kang Hu <hukangustc@gmail.com>
Karan Dhiman <karandhi@ca.ibm.com>
Karel Pazdera <pazderak@gmail.com>
Karoly Negyesi <chx1975@gmail.com>
Karsten Khler <karsten.koehler95@gmail.com>
Kashav Madan <kshvmdn@gmail.com>
Kate Manson <kate.manson@izettle.com>
Kato Kazuyoshi <kato.kazuyoshi@gmail.com>
Katrina Owen <katrina.owen@gmail.com>
Kaviraj Kanagaraj <kavirajkanagaraj@gmail.com>
Kay Zhu <kayzhu@google.com>
KB Sriram <kbsriram@google.com>
Keegan Carruthers-Smith <keegan.csmith@gmail.com>
Kei Son <hey.calmdown@gmail.com>
Keiji Yoshida <keijiyoshida.mail@gmail.com>
Keith Ball <inflatablewoman@gmail.com>
Keith Randall <chr@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>
Kenji Kaneda <kenji.kaneda@gmail.com>
Kenji Yano <kenji.yano@gmail.com>
Kenneth Shaw <kenshaw@gmail.com>

Kenny Grant <kennygrant@gmail.com>
Kevin Ballard <kevin@sb.org>
Kevin Burke <kev@inburke.com>
Kevin Kirsche <kev.kirsche@gmail.com>
Kevin Klues <klueska@gmail.com> <klueska@google.com>
Kevin Malachowski <chowski@google.com>
Kevin Ruffin <kruffin@gmail.com>
Kevin Vu <kevin.m.vu@gmail.com>
Kieran Colford <kieran@kcolford.com>
Kim Shrier <kshrier@racktopsystems.com>
Kim Yongbin <kybinz@gmail.com>
Kirill Smelkov <kirr@nexedi.com>
Kirk Han <kirk91.han@gmail.com>
Kirklin McDonald <kirklin.mcdonald@gmail.com>
Klaus Post <klauspost@gmail.com>
Kodie Goodwin <kodiegoodwin@gmail.com>
Koichi Shiraishi <zchee.io@gmail.com>
Koki Ide <niconegoto@yahoo.co.jp>
Konstantin <konstantin8105@gmail.com>
Konstantin Shaposhnikov <k.shaposhnikov@gmail.com>
Kris Nova <kris@nivenly.com>
Kris Rousey <krousey@google.com>
Kristopher Watts <traetox@gmail.com>
Kun Li <likunarmstrong@gmail.com>
Kunpei Sakai <namusyaka@gmail.com>
Kyle Consalus <consalus@gmail.com>
Kyle Isom <kyle@gokyle.net>
Kyle Jones <kyle@kyledj.com>
Kyle Lemons <kyle@kylelemons.net> <kevlar@google.com>
Kyle Shannon <kyle@pobox.com>
Kyohei Kadota <lufia@lufia.org>
Kirylo Silin <silin@kirylo.org>
L Campbell <unpantsu@gmail.com>
Lai Jiangshan <eag0628@gmail.com>
Lakshay Garg <lakshay.garg.1996@gmail.com>
Lann Martin <lannm@google.com>
Larry Hosken <lahosken@golang.org>
Lars Jeppesen <jeppesen.lars@gmail.com>
Lars Wiegman <lars@namsral.com>
Larz Conwell <larzconwell@gmail.com>
Laurent Voisin <lpvoisin@gmail.com>
Laurie Clark-Michalek <laurie@qubit.com>
LE Manh Cuong <cuong.manhle.vn@gmail.com>
Lee Hinman <hinman@gmail.com>
Lee Packham <lpackham@gmail.com>
Leigh McCulloch <leighmcc@gmail.com>
Leo Rudberg <ljr@google.com>
Leon Klingele <git@leonklingele.de>

Lev Shamardin <shamardin@gmail.com>
Lewin Bormann <lewin.bormann@gmail.com>
Lion Yang <lion@aosc.xyz>
Lloyd Dewolf <foolswisdom@gmail.com>
Lorenz Bauer <lmb@cloudflare.com>
Lorenzo Masini <rugginoso@develer.com>
Lorenzo Stoakes <lstoakes@gmail.com>
Louis Kruger <louisk@google.com>
Luan Santos <cfcluan@gmail.com>
Luca Bruno <luca.bruno@coreos.com>
Luca Greco <luca.greco@alcacoop.it>
Lucas Bremgartner <lucas.bremgartner@gmail.com>
Lucas Clemente <lclemente@google.com>
Lucien Stuker <lucien.stuker@gmail.com>
Lucio De Re <lucio.dere@gmail.com>
Ludi Rehak <ludi317@gmail.com>
Luigi Riefolo <luigi.riefolo@gmail.com>
Luit van Drongelen <luitvd@gmail.com>
Luka Zakrajek <tr00.g33k@gmail.com>
Lukasz Milewski <lmmilewski@gmail.com>
Luke Curley <qpingu@gmail.com>
Luke Granger-Brown <git@lukegb.com>
Luna Duclos <luna.duclos@palmstonegames.com>
Luuk van Dijk <lvd@golang.org> <lvd@google.com>
Lyle Franklin <lylejfranklin@gmail.com>
Lynn Boger <laboger@linux.vnet.ibm.com>
Ma Peiqi <mapeiqi2017@gmail.com>
Magnus Hiie <magnus.hiie@gmail.com>
Maicon Costa <maiconscosta@gmail.com>
Maksym Trykur <maksym.trykur@gmail.com>
Mal Curtis <mal@mal.co.nz>
Manfred Touron <m@42.am>
Manish Goregaokar <manishsmail@gmail.com>
Manoj Dayaram <platform-dev@moovweb.com> <manoj.dayaram@moovweb.com>
Mansour Rahimi <rahimi.mnr@gmail.com>
Manu Garg <manugarg@google.com>
Manu S Ajith <neo@codingarena.in>
Manuel Mendez <mmendez534@gmail.com>
Marc Weistroff <marc@weistroff.net>
Marc-Antoine Ruel <maruel@chromium.org>
Marcel Edmund Franke <marcel.edmund.franke@gmail.com>
Marcel van Lohuizen <mpvl@golang.org>
Marcelo E. Magallon <marcelo.magallon@gmail.com>
Marco Hennings <marco.hennings@freiheit.com>
Marga Manterola <marga@google.com>
Marin Bai <marin.basic02@gmail.com>
Marius Nuennerich <mnu@google.com>
Mark Adams <mark@markadams.me>

Mark Bucciarelli <mkbucc@gmail.com>
Mark Harrison <marhar@google.com>
Mark Percival <m@mdp.im>
Mark Pulford <mark@kyne.com.au>
Mark Ryan <mark.d.ryan@intel.com>
Mark Severson <miquella@gmail.com>
Mark Theunissen <mark.theunissen@gmail.com>
Mark Wolfe <mark@wolfe.id.au>
Mark Zavislak <zavislak@google.com>
Marko Juhani Silokunnas <marko.silokunnas@gmail.com>
Marko Mikulicic <mkm@google.com>
Marko Mudrinic <mudrinic.mare@gmail.com>
Marko Tiikkaja <marko@joh.to>
Markus Duft <markus.duft@salomon.at>
Markus Sonderegger <marraison@gmail.com>
Markus Zimmermann <zimmski@gmail.com>
Martin Bertschler <mbertschler@gmail.com>
Martin Garton <garton@gmail.com>
Martin Habbecke <marhab@google.com>
Martin Hamrle <martin.hamrle@gmail.com>
Martin Hoefling <martin.hoefling@gmx.de>
Martin Kreichgauer <martinkr@google.com>
Martin Lindhe <martin.j.lindhe@gmail.com>
Martin Mohrmann <moehrmann@google.com> <martisch@uos.de>
Martin Neubauer <m.ne@gmx.net>
Martin Olsen <github.com@martinolsen.net>
Martin Olsson <martin@minimum.se>
Martin Probst <martin@probst.io>
Martins Sipenko <martins.sipenko@gmail.com>
Martynas Budrinas <mabu@google.com>
Marvin Stenger <marvin.stenger94@gmail.com>
Marwan Sulaiman <marwan.sulaiman@work.co>
Maryan Hratson <gmarik@gmail.com>
Masahiro Furudate <masahiro.furudate@gmail.com>
Masahiro Wakame <vvakame@gmail.com>
Masaki Yoshida <yoshida.masaki@gmail.com>
Mat Byczkowski <mbyczkowski@gmail.com>
Mt Gulys <mgulyas86@gmail.com>
Matej Bao <matejbaco@gmail.com>
Mateus Amin <mateus.amin@gmail.com>
Mateusz Czapliski <czapkofan@gmail.com>
Mathias Beke <git@denbeke.be>
Mathias Hall-Andersen <mathias@hall-andersen.dk>
Mathias Leppich <mleppich@muhqu.de>
Mathieu Lonjaret <mathieu.lonjaret@gmail.com>
Mats Lidell <mats.lidell@cag.se> <mats.lidell@gmail.com>
Matt Aimonetti <mattaimonetti@gmail.com>
Matt Blair <me@matthewblair.net>

Matt Bostock <matt@mattbostock.com>
Matt Brown <mbrown@google.com>
Matt Dee <mdee@hioscar.com>
Matt Drollette <matt@drollette.com>
Matt Harden <matt.harden@gmail.com>
Matt Jibson <matt.jibson@gmail.com>
Matt Joiner <anacrolix@gmail.com>
Matt Jones <mrjones@google.com>
Matt Layher <mdlayher@gmail.com>
Matt Reiferson <mreiferson@gmail.com>
Matt Robenolt <matt@ydekproductions.com>
Matt Strong <mstrong1341@gmail.com>
Matt T. Proud <matt.proud@gmail.com>
Matt Williams <gh@mattyw.net> <mattyjwilliams@gmail.com>
Matthew Brennan <matty.brennan@gmail.com>
Matthew Broberg <matthewbbroberg@gmail.com>
Matthew Cottingham <mattcottingham@gmail.com>
Matthew Dempsy <mdempsky@google.com>
Matthew Denton <mdenton@skyportsystems.com>
Matthew Holt <Matthew.Holt+git@gmail.com>
Matthew Horsnell <matthew.horsnell@gmail.com>
Matthieu Hauglustaine <matt.hauglustaine@gmail.com>
Matthieu Olivier <olivier.matthieu@gmail.com>
Matthijs Kooijman <matthijs@stdin.nl>
Max Riveiro <kavu13@gmail.com>
Max Schmitt <max@schmitt.mx>
Maxim Khitrov <max@mxcrypt.com>
Maxim Pimenov <mpimenov@google.com>
Maxim Ushakov <ushakov@google.com>
Maxime de Roucy <maxime.deroucy@gmail.com>
Mximo Cuadros Ortiz <mcuadros@gmail.com>
Maxwell Krohn <themax@gmail.com>
Mayank Kumar <krmayankk@gmail.com>
Meir Fischer <meirfischer@gmail.com>
Meng Zhuo <mengzhuo1203@gmail.com>
Mhd Sulhan <m.shulhan@gmail.com>
Micah Stetson <micah.stetson@gmail.com>
Michael Brandenburg <mbrandenburg@bolste.com>
Michael Chaten <mchaten@gmail.com>
Michael Darakananda <pongad@google.com>
Michael Edwards <medwards@walledcity.ca>
Michael Elkins <michael.elkins@gmail.com>
Michael Fraenkel <michael.fraenkel@gmail.com>
Michael Gehring <mg@ebfe.org> <gnirheg.leahcim@gmail.com>
Michael Hendricks <michael@ndrix.org>
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 McConville <momconville@gmail.com>
Michael McGreevy <mcgreevy@golang.org>
Michael McLoughlin <mmcloughlin@gmail.com>
Michael Munday <munday@ca.ibm.com>
Michael Pearson <mipearson@gmail.com>
Michael Piatek <piatek@google.com>
Michael Pratt <mpratt@google.com>
Michael Schaller <michael@5challer.de>
Michael Schurter <michael.schurter@gmail.com>
Michael Shields <mshields@google.com>
Michael Stapelberg <michael@stapelberg.de> <mstplbrg@googlemail.com>
Michael Steinert <mike.steinert@gmail.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@lnet.pl>
Michal Pristas <michal.pristas@gmail.com>
Michalis Kargakis <michaliskargakis@gmail.com>
Michel Lespinasse <>walken@google.com>
Miek Gieben <miek@miek.nl> <remigius.gieben@gmail.com>
Miguel Mendez <stxmendez@gmail.com>
Miguel Molina <hi@mvader.me>
Mihai Borobocea <MihaiBorobocea@gmail.com>
Mihail Minaev <minaev.mike@gmail.com>
Mikael Tillenius <mikti42@gmail.com>
Mike Andrews <mra@xoba.com>
Mike Appleby <mike@app.leby.org>
Mike Danese <mikedanese@google.com>
Mike Houston <mike@kothar.net>
Mike Rosset <mike.rosset@gmail.com>
Mike Samuel <mikesamuel@gmail.com>
Mike Solomon <msolo@gmail.com>
Mike Strosaker <strosake@us.ibm.com>
Mike Wiacek <mjwiacek@google.com>
Mikhail Gusarov <dottedmag@dottedmag.net>
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>
Milutin Jovanovic <jovanovic.milutin@gmail.com>
Miquel Sabat Sol <mikisabate@gmail.com>

Miroslav Genov <mgenov@gmail.com>
Mohit Agarwal <mohit@sdf.org>
Momchil Velikov <momchil.velikov@gmail.com>
Monis Khan <mkhan@redhat.com>
Monty Taylor <mordred@inaugust.com>
Moriyoshi Koizumi <mozo@mozo.jp>
Morten Siebuhr <sbhr@sbhr.dk>
Mshe van der Sterre <moshevds@gmail.com>
Mostyn Bramley-Moore <mostyn@antipode.se>
Mrunal Patel <mrunalp@gmail.com>
Muhammad Falak R Wani <falakreyaz@gmail.com>
Muhammed Uluyol <uluyol0@gmail.com>
Mura Li <mura_li@castech.com.tw>
Nan Deng <monnand@gmail.com>
Naoki Kanatani <k12naoki@gmail.com>
Nathan Caza <mastercactapus@gmail.com>
Nathan Humphreys <nkhumphreys@gmail.com>
Nathan John Youngman <nj@nathany.com>
Nathan Otterness <otternes@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>
Nathaniel Cook <nvcook42@gmail.com>
Neelesh Chandola <neelesh.c98@gmail.com>
Neil Lyons <nwjlyons@googlemail.com>
Neuman Vong <neuman.vong@gmail.com>
Nevins Bartolomeo <nevins.bartolomeo@gmail.com>
Niall Sheridan <nsheridan@gmail.com>
Nic Day <nic.day@me.com>
Nicholas Katsaros <nick@nickkatsaros.com>
Nicholas Maniscalco <nicholas@maniscalco.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>
Nick Harper <nharper@google.com>
Nick Kubala <nkubala@google.com>
Nick Leli <nicholasleli@gmail.com>
Nick Miyake <nmiyake@users.noreply.github.com>
Nick Patavalis <nick.patavalis@gmail.com>
Nick Petroni <npetroni@cs.umd.edu>
Nick Robinson <nrobinson13@gmail.com>
Nicolas BRULEZ <n.brulez@gmail.com>
Nicolas Kaiser <nikai@nikai.net>
Nicolas Owens <mischief@offblast.org>
Nicolas S. Dade <nic.dade@gmail.com>

Niels Widger <niels.widger@gmail.com>
Nigel Kerr <nigel.kerr@gmail.com>
Nigel Tao <nigeltao@golang.org>
Nik Nyby <nnyby@columbia.edu>
Niklas Schnelle <niklas.schnelle@gmail.com>
Niko Dziemba <niko@dziemba.com>
Nikolay Turpitko <nikolay@turpitko.com>
Nils Larsgrd <nilsmagnus@gmail.com>
Niranjan Godbole <niranjan8192@gmail.com>
Noah Campbell <noahcampbell@gmail.com>
Noble Johnson <noblepoly@gmail.com>
Nodir Turakulov <nodir@google.com>
Norberto Lopes <nlopes.ml@gmail.com>
Odin Ugedal <odin@ugedal.com>
Oleg Bulatov <dmage@yandex-team.ru>
Oleg Vakheta <helginet@gmail.com>
Oleku Konko <oleku.konko@gmail.com>
Oling Cat <olingcat@gmail.com>
Oliver Hookins <ohookins@gmail.com>
Oliver Tonnhofer <olt@bogosoftware.com>
Olivier Antoine <olivier.antoine@gmail.com>
Olivier Duperray <duperray.olivier@gmail.com>
Olivier Poitrey <rs@dailymotion.com>
Olivier Saingre <osaingre@gmail.com>
Omar Jarjur <ojarjur@google.com>
zgr Kesim <oec-go@kesim.org>
Pablo Lalloni <plalloni@gmail.com>
Pablo Santiago Blum de Aguiar <scorpus@gmail.com>
Padraig Kitterick <padraigkitterick@gmail.com>
Paolo Giarrusso <p.giarrusso@gmail.com>
Paolo Martini <mrtnpaolo@gmail.com>
Parker Moore <parkrmoore@gmail.com>
Pascal S. de Kloe <pascal@quies.net>
Pat Moroney <pat@pat.email>
Patrick Crosby <patrick@stathat.com>
Patrick Gavlin <pgavlin@gmail.com>
Patrick Higgins <patrick.allen.higgins@gmail.com>
Patrick Lee <pattyshack101@gmail.com>
Patrick Mzard <patrick@mezard.eu>
Patrick Mylund Nielsen <patrick@patrickmn.com>
Patrick Pelletier <pp.pelletier@gmail.com>
Patrick Riley <pfr@google.com>
Patrick Smith <pat42smith@gmail.com>
Paul A Querna <paul.querna@gmail.com>
Paul Borman <borman@google.com>
Paul Boyd <boyd.paul2@gmail.com>
Paul Chang <paulchang@google.com>
Paul Hammond <paul@paulhammond.org>

Paul Hankin <paulhankin@google.com>
Paul Jolly <paul@myitcv.org.uk>
Paul Lalonde <paul.a.lalonde@gmail.com>
Paul Marks <pmarks@google.com>
Paul Meyer <paul.meyer@microsoft.com>
Paul Nasrat <pnasrat@google.com>
Paul PISCUC <paul.piscuc@gmail.com>
Paul Querna <pquerna@apache.org>
Paul Rosania <paul.rosania@gmail.com>
Paul Ruest <pruest@gmail.com>
Paul Sbarra <Sbarra.Paul@gmail.com>
Paul Smith <paulsmith@pobox.com> <paulsmith@gmail.com>
Paul van Brouwershaven <paul@vanbrouwershaven.com>
Paul Wankadia <junyer@google.com>
Paulo Casaretto <pcasaretto@gmail.com>
Paulo Flabiano Smorigo <pfsmorigo@linux.vnet.ibm.com>
Pavel Paulau <pavel.paulau@gmail.com>
Pavel Zinovkin <pavel.zinovkin@gmail.com>
Pavlo Sumkin <ymkins@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 Bourgon <peter@bourgon.org>
Peter Collingbourne <pcc@google.com>
Peter Froehlich <peter.hans.froehlich@gmail.com>
Peter Gonda <pgonda@google.com>
Peter Kleiweg <pkleiweg@xs4all.nl>
Peter McKenzie <petermck@google.com>
Peter Moody <pmoody@uber.com>
Peter Morjan <pmorjan@gmail.com>
Peter Mundy <go.peter.90@gmail.com>
Peter Nguyen <peter@mictis.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>
Peter Wu <pwu@cloudflare.com>
Petrica Voicu <pvoicu@paypal.com>
Phil Pennock <pdp@golang.org>
Philip Brgesen <philip.brgesen@gmail.com>
Philip Hofer <phofer@umich.edu>

Philip K. Warren <pkwarren@gmail.com>
Pierre Durand <pierredurand@gmail.com>
Pierre Roullon <pierre.roullon@gmail.com>
Piers <google@hellopiers.pro>
Pieter Droogendijk <pieter@binky.org.uk>
Pietro Gagliardi <pietro10@mac.com>
Pontus Leitzler <leitzler@gmail.com>
Prasanna Swaminathan <prasanna@mediamath.com>
Prashant Varanasi <prashant@prashantv.com>
Pravendra Singh <hackpravj@gmail.com>
Preetam Jinka <pj@preet.am>
Qiuxuan Zhu <ilsh1022@gmail.com>
Quan Tran <qeed.quan@gmail.com>
Quan Yong Zhai <qyzhai@gmail.com>
Quentin Perez <qperez@ocs.online.net>
Quentin Renard <contact@asticode.com>
Quentin Smith <quentin@golang.org>
Quinn Slack <sqs@sourcegraph.com>
Quoc-Viet Nguyen <afelion@gmail.com>
Radek Sohlich <sohlich@gmail.com>
Radu Berinde <radu@cockroachlabs.com>
Rafal Jeczalik <rjeczalik@gmail.com>
Rahul Chaudhry <rahulchaudhry@chromium.org>
Raif S. Naffah <go@naffah-raif.name>
Rajat Goel <rajat.goel2010@gmail.com>
Rajath Agasthya <rajathagasthya@gmail.com>
Rajender Reddy Kompally <rajenderreddykompally@gmail.com>
Ralph Corderoy <ralph@inputplus.co.uk>
Ramazan AYYILDIZ <rayyildiz@gmail.com>
Ramesh Dharan <dharan@google.com>
Raph Levien <raph@google.com>
Raphael Geronimi <raphael.geronimi@gmail.com>
Raul Silvera <rsilvera@google.com>
RaviTeja Pothana <ravi.tezu@gmail.com>
Ray Tung <rtung@thoughtworks.com>
Raymond Kazlauskas <raima220@gmail.com>
Rebecca Stambler <rstambler@golang.org>
Reilly Watson <reillywatson@gmail.com>
Reinaldo de Souza Jr <juniorz@gmail.com>
Remi Gillig <remigillig@gmail.com>
Rmy Oudompheng <oudomphe@phare.normalesup.org> <remyoudompheng@gmail.com>
Rhys Hiltner <rhys@justin.tv>
Ricardo Padilha <ricardospadilha@gmail.com>
Richard Barnes <rlb@ipv.sx>
Richard Crowley <r@rcrowley.org>
Richard Dingwall <rdingwall@gmail.com>
Richard Eric Gavaletz <gavaletz@gmail.com>
Richard Gibson <richard.gibson@gmail.com>

Richard Miller <millier.research@gmail.com>
Richard Musiol <mail@richard-musiol.de> <neelance@gmail.com>
Rick Arnold <rickarnoldjr@gmail.com>
Rick Hudson <rlh@golang.org>
Rick Sayre <whorfin@gmail.com>
Riku Voipio <riku.voipio@linaro.org>
Risto Jaakko Saarelm <rsaarelm@gmail.com>
Rob Earhart <earhart@google.com>
Rob Norman <rob.norman@infinitycloud.com>
Rob Phoenix <rob@robphoenix.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 Seseke <rseseke@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>
Roland Shoemaker <rolandshoemaker@gmail.com>
Roman Budnikov <romanyx90@yandex.ru>
Ron Hashimoto <mail@h2so5.net>
Ron Minnich <rminnich@gmail.com>
Ross Chater <rdchater@gmail.com>
Ross Light <light@google.com> <rlight2@gmail.com>
Rowan Worth <sqweek@gmail.com>
Rudi Kramer <rudi.kramer@gmail.com>
Rui Ueyama <ruiui@google.com>
Russ Cox <rsc@golang.org>
Russell Haering <russellhaering@gmail.com>
Ryan Bagwell <ryanbagwell@outlook.com>
Ryan Barrett <ryanb@google.com>
Ryan Boehning <ryan.boehning@apcera.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>
Ryoichi KATO <ryo1kato@gmail.com>
Ryuji Iwata <qt.luigi@gmail.com>
Ryuzo Yamamoto <ryuzo.yamamoto@gmail.com>

S.alar Onur <caglar@10ur.org>
Sai Cheemalapati <saicheems@google.com>
Sakeven Jiang <jc5930@sina.cn>
Salmn Aljammz <s@0x65.net>
Sam Boyer <tech@samboyer.org>
Sam Ding <samding@ca.ibm.com>
Sam Hug <samuel.b.hug@gmail.com>
Sam Thorogood <thorogood@google.com> <sam.thorogood@gmail.com>
Sam Whited <sam@samwhited.com>
Sameer Ajmani <sameer@golang.org> <ajmani@gmail.com>
Sami Commerot <samic@google.com>
Samuel Tan <samueltan@google.com>
Samuele Pedroni <pedronis@lucediaruna.net>
Sanjay Menakuru <balasanjay@gmail.com>
Sarah Adams <shadams@google.com>
Sascha Brawer <sascha@brawer.ch>
Sasha Lionheart <lionhearts@google.com>
Sasha Sobol <sasha@scaledinference.com>
Scott Barron <scott.barron@github.com>
Scott Bell <scott@sctsm.com>
Scott Crunkleton <crunk1@gmail.com>
Scott Ferguson <scottwferg@gmail.com>
Scott Lawrence <bytbox@gmail.com>
Scott Mansfield <smansfield@netflix.com>
Scott Schwartz <scotts@golang.org>
Scott Van Woudenberg <scottvw@google.com>
Sean Burford <sburford@google.com>
Sean Chittenden <seanc@joyent.com>
Sean Christopherson <sean.j.christopherson@intel.com>
Sean Dolphin <Sean.Dolphin@kpccompass.com>
Sean Harger <sharger@google.com>
Sean Rees <sean@erifax.org>
Sebastien Binet <seb.binet@gmail.com>
Sbastien Paolacci <sebastien.paolacci@gmail.com>
Seiji Takahashi <timaki.st@gmail.com>
Sergei Skorobogatov <skorobo@rambler.ru>
Sergey 'SnakE' Gromov <snake.scaly@gmail.com>
Sergey Arseev <sergey.arseev@intel.com>
Sergey Frolov <sfrolov@google.com>
Sergey Mishin <sergeymishine@gmail.com>
Sergey Semin <gray12511@gmail.com>
Sergio Luis O. B. Correia <sergio@correia.cc>
Sergiusz Bazanski <bazanski@gmail.com>
Seth Hoenig <seth.a.hoenig@gmail.com>
Seth Vargo <sethvargo@gmail.com>
Shahar Kohanim <skohanim@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>
Shi Han Ng <shihanng@gmail.com>
Shinji Tanaka <shinji.tanaka@gmail.com>
Shintaro Kaneko <kaneshin0120@gmail.com>
Shivakumar GN <shivakumar.gn@gmail.com>
Shun Fan <sfan@google.com>
Silvan Jegen <s.jegen@gmail.com>
Simon Jefford <simon.jefford@gmail.com>
Simon Rawet <simon@rawet.se>
Simon Thulbourn <simon+github@thulbourn.com>
Simon Whitehead <chemnova@gmail.com>
Sina Siadat <siadat@gmail.com>
Sokolov Yura <funny.falcon@gmail.com>
Song Gao <song@gao.io>
Spencer Nelson <s@spenczar.com>
Spencer Tung <spencertung@google.com>
Spring Mc <heresy.mc@gmail.com>
Srdjan Petrovic <spetrovic@google.com>
Sridhar Venkatakrishnan <sridhar@laddoo.net>
StalkR <stalkr@stalkr.net>
Stan Schwertly <stan@schwertly.com>
Stanislav Afanasev <php.progger@gmail.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 Searles <stephens2424@gmail.com>
Stephen Weinberg <stephen@q5comm.com>
Steve Francia <spf@golang.org>
Steve Gilbert <stevegilbert23@gmail.com>
Steve McCoy <mccoyst@gmail.com>
Steve Newman <snewman@google.com>
Steve Phillips <elimistev@gmail.com>
Steve Streeting <steve@stevestreeting.com>
Steven Buss <sbuss@google.com>
Steven Elliot Harris <seharris@gmail.com>
Steven Erenst <stevenerenst@gmail.com>
Steven Hartland <steven.hartland@multiplay.co.uk>
Steven Wilkin <stevenwilkin@gmail.com>
Sugu Sougoumarane <ssougou@gmail.com>
Suharsh Sivakumar <suharshs@google.com>
Sukrit Handa <sukrit.handa@utoronto.ca>
Sunny <me@darkowlzz.space>
Suyash <dextrous93@gmail.com>
Suzy Mueller <suzmue@golang.org>

Sven Almgren <sven@tras.se>
Sven Blumenstein <svbl@google.com>
Sylvain Zimmer <sylvain@sylvainzimmer.com>
Syohei YOSHIDA <syohex@gmail.com>
Szabolcs Nagy <nsz@port70.net>
Tad Fisher <tadfisher@gmail.com>
Tad Glines <tad.glines@gmail.com>
Taj Khattrra <taj.khattrra@gmail.com>
Takashi Matsuo <tmatsuo@google.com>
Takeshi YAMANASHI <9.nashi@gmail.com>
Takuto Ikuta <tikuta@google.com>
Takuya Ueda <uedatakuya@gmail.com>
Tal Shprecher <tshprecher@gmail.com>
Tamir Duberstein <tamird@gmail.com>
Tao Wang <twang2218@gmail.com>
Tarmigan Casebolt <tarmigan@gmail.com>
Taro Aoki <aizu.s1230022@gmail.com>
Taru Karttunen <taruti@taruti.net>
Tatsuhiko Tsujikawa <tatsuhiko.t@gmail.com>
Ted Kornish <golang@tedkornish.com>
Terin Stock <terinjokes@gmail.com>
Terrel Shumway <gopher@shumway.us>
Tetsuo Kiso <tetsuokiso9@gmail.com>
Than McIntosh <thanm@google.com>
Thanatat Tamtan <acoshift@gmail.com>
Thiago Avelino <t@avelino.xxx>
Thiago Fransosi Farina <thiago.farina@gmail.com> <tfarina@chromium.org>
Thomas Alan Copeland <talan.copeland@gmail.com>
Thomas Bonfort <thomas.bonfort@gmail.com>
Thomas Bouldin <inlined@google.com>
Thomas de Zeeuw <thomasdezeeuw@gmail.com>
Thomas Desrosiers <thomasdesr@gmail.com>
Thomas Habets <habets@google.com>
Thomas Kappler <tkappler@gmail.com>
Thomas Wanielista <tomwans@gmail.com>
Thorben Krueger <thorben.krueger@gmail.com>
Thordur Bjornsson <thorduri@secnorth.net>
Tilman Dilo <tilman.dilo@gmail.com>
Tim Cooijmans <timcooijmans@gmail.com>
Tim Cooper <tim.cooper@layeh.com>
Tim Ebringer <tim.ebringer@gmail.com>
Tim Heckman <t@heckman.io>
Tim Henderson <tim.tadh@gmail.com>
Tim Hockin <thockin@google.com>
Tim Swast <swast@google.com>
Tim Wright <tenortim@gmail.com>
Timo Savola <timo.savola@gmail.com>
Timo Truys <alkaloid.btx@gmail.com>

Timothy Studd <tim@timstudd.com>
Tipp Moseley <tipp@google.com>
Tobias Assarsson <tobias.assarsson@gmail.com>
Tobias Columbus <tobias.columbus@gmail.com> <tobias.columbus@googlemail.com>
Tobias Klauser <tklauser@distanz.ch>
Toby Burrell <kurin@google.com>
Todd Neal <todd@tneal.org>
Todd Wang <toddwang@gmail.com>
Tom Bergan <tombergan@google.com>
Tom Heng <zhm20070928@gmail.com>
Tom Lanyon <tomlanyon@google.com>
Tom Levy <tomlevy93@gmail.com>
Tom Linford <tomlinford@gmail.com>
Tom Szymanski <tgs@google.com>
Tom Wilkie <tom@weave.works>
Tommy Schaefer <tommy.schaefer@teecom.com>
Tonis Tiigi <tonistiigi@gmail.com>
Tony Walker <walkert.uk@gmail.com>
Tor Andersson <tor.andersson@gmail.com>
Tormod Erevik Lea <tormodlea@gmail.com>
Toshiki Shima <hayabusa1419@gmail.com>
Totoro W <tw19881113@gmail.com>
Travis Cline <travis.cline@gmail.com>
Trevor Strohman <trevor.strohman@gmail.com>
Trey Lawrence <lawrence.trey@gmail.com>
Trey Roessig <trey.roessig@gmail.com>
Trey Tacon <ttacon@gmail.com>
Tristan Amini <tamini01@ca.ibm.com>
Tristan Colgate <tcolgate@gmail.com>
Tristan Oohry <ooohry@gmail.com>
Troels Thomsen <troels@thomsen.io>
Trung Nguyen <trung.n.k@gmail.com>
Tudor Golubenco <tudor.g@gmail.com>
Tugdual Saunier <tugdual.saunier@gmail.com>
Tuo Shan <sturbo89@gmail.com> <shantuo@google.com>
Tyler Bui-Palsulich <tpalsulich@google.com>
Tyler Bunnell <tylerbunnell@gmail.com>
Tyler Treat <ttreat31@gmail.com>
Tzu-Jung Lee <roylee17@currant.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 Grek <vadimprog@gmail.com>
Vadim Vygonets <unixdj@gmail.com>
Vega Garcia Luis Alfonso <vegacom@gmail.com>
Victor Chudnovsky <vchudnov@google.com>

Victor Vrantchan <vrancean+github@gmail.com>
Vikas Kedia <vikask@google.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>
Vishvananda Ishaya <vishvananda@gmail.com>
Vitor De Mario <vitordemario@gmail.com>
Vlad Krasnov <vlad@cloudflare.com>
Vladimir Mihailenco <vladimir.webdev@gmail.com>
Vladimir Nikishenko <vova616@gmail.com>
Vladimir Stefanovic <vladimir.stefanovic@imgtec.com>
Vladimir Varankin <nek.narqo@gmail.com>
Volker Dobler <dr.volker.dobler@gmail.com>
Volodymyr Paprotski <vpaprots@ca.ibm.com>
Wade Simmons <wade@wades.im>
Walter Poupore <wpoupore@google.com>
Wander Lairson Costa <wcosta@mozilla.com>
Wedson Almeida Filho <wedsonaf@google.com>
Wi Cngru <crvv.mail@gmail.com>
Wei Guangjing <vcc.163@gmail.com>
Wei Xiao <wei.xiao@arm.com>
Weichao Tang <tevic.tt@gmail.com>
Wembley G. Leach, Jr <wembley.gl@gmail.com>
Will Chan <willchan@google.com>
Will Faught <will.faught@gmail.com>
Will Norris <willnorris@google.com>
Will Storey <will@summercat.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>
Wisdom Omuya <deafgoat@gmail.com>
Wu Yunzhou <yunzhouwu@gmail.com>
Xi Ruoyao <xry23333@gmail.com>
Xia Bin <snyh@snyh.org>
Xing Xing <mikespook@gmail.com>
Xu Fei <badgangkiller@gmail.com>
Xudong Zhang <felixmelon@gmail.com>
Xuyang Kang <xuyangkang@gmail.com>
Yan Zou <yzou@google.com>
Yann Kerherv <yann.kerherve@gmail.com>
Yann Salan <yannsalaun1@gmail.com>
Yao Zhang <lunaria21@gmail.com>
Yasha Bubnov <girokompas@gmail.com>
Yasuharu Goto <matope.ono@gmail.com>
Yasuhiro Matsumoto <mattn.jp@gmail.com>

Yestin Sun <ylh@pdx.edu>
Yesudeep Mangalapilly <yesudeep@google.com>
Yissakhar Z. Beck <yissakhar.beck@gmail.com>
Yo-An Lin <yoanlin93@gmail.com>
Yongjian Xu <i3dmaster@gmail.com>
Yorman Arias <cixtords@gmail.com>
Yoshiyuki Kanno <nekotaroh@gmail.com> <yoshiyuki.kanno@stoic.co.jp>
Yosuke Akatsuka <yosuke.akatsuka@gmail.com>
Yu Heng Zhang <annita.zhang@cn.ibm.com>
Yu Xuan Zhang <zyxsh@cn.ibm.com>
Yuki Yugui Sonoda <yugui@google.com>
Yukihiro Nishinaka <6elpinal@gmail.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>
Zac Bergquist <zbergquist99@gmail.com>
Zach Bintliff <zintliff@gmail.com>
Zach Gershman <zachgersh@gmail.com>
Zak <zrjknill@gmail.com>
Zakatell Kanda <hi@zkanda.io>
Zellyn Hunter <zellyn@squareup.com> <zellyn@gmail.com>
Zev Goldstein <zev.goldstein@gmail.com>
Zhengyu He <hzy@google.com>
Zhongtao Chen <chenzhongtao@126.com>
Zhongwei Yao <zhongwei.yao@arm.com>
Ziad Hatahet <hatahet@gmail.com>
Zorion Arrizabalaga <zorionk@gmail.com>
<max.faceless.frei@gmail.com>
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Names should be added to this file as:
Name <email address>
Raul Silvera <rsilvera@google.com>
Tipp Moseley <tipp@google.com>
Hyoun Kyu Cho <netforce@google.com>

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