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In your requests please include the following reference number 78EE117C99-2072627544

Contents

1.1 libtomcrypt 1.17
1.1.1 Available under license
1.2 csrp 1.0
1.2.1 Available under license
1.3 libtommath 0.42.0
1.3.1 Available under license
1.4 mtd-utils 1.5.2
1.4.1 Available under license
1.5 mawk 1.3.3-17+b3
1.5.1 Available under license
1.6 sensible-utils 0.0.12
1.6.1 Available under license
1.7 dmidecode 3.5
1.7.1 Available under license
1.8 ethtool 3.14
1.8.1 Available under license
1.9 popt 1.16-12
1.9.1 Available under license
1.10 readline 7.0-5
1.10.1 Available under license
1.11 shadow 4.5-1.1
1.11.1 Available under license
1.12 lua 5.1
1.12.1 Available under license
1.13 jansson 2.7

1.13.1 Available under license

1.14 ipmi-tool 1.8.18 1.14.1 Available under license 1.15 attr 2.4.48-4 1.15.1 Available under license 1.16 bash 5.0-4 1.16.1 Available under license 1.17 keyutils 1.6-6 1.17.1 Available under license 1.18 audit 2.8.4-3 1.18.1 Available under license 1.19 cdebconf 0.249 1.19.1 Available under license 1.20 adduser 3.118 1.20.1 Available under license 1.21 pcre 8.39-12 1.21.1 Available under license 1.22 coreutils 8.30-3 1.22.1 Available under license 1.23 diffutils 3.7-3

1.25.1 Available under license

1.26 supervisor 3.3.5-1

1.26.1 Available under license

1.27 libtool 2.4.6-9

1.25 iptables 1.8.2-4

1.27.1 Available under license

1.28 file 5.35-4+deb10u1

1.28.1 Available under license

1.29 vixie-cron 3.0pl1-134+deb10u1

1.29.1 Available under license

1.30 cron 3.0pl1-134+deb10u1

1.30.1 Available under license

1.31 log-rotate 3.14.0-4

1.31.1 Available under license

1.32 e2fsprogs 1.44.5-1+deb10u3

1.32.1 Available under license

1.33 guile 2.2.4+1-2+deb10u1

1.33.1 Available under license
1.34 terminaltables 3.1.0
1.34.1 Available under license
1.35 dosfs-tools 3.0.26
1.35.1 Available under license
1.36 gpt-fdisk 0.8.8
1.36.1 Available under license
1.37 cpp 8.3.0-6
1.37.1 Available under license
1.38 fdisk 2.33.1
1.38.1 Available under license
1.39 base-passwd 3.5.46
1.39.1 Available under license
1.40 kexec-tools 2.0.9
1.40.1 Available under license
1.41 strace 4.16
1.41.1 Available under license
1.42 debianutils 4.8.6.1
1.42.1 Available under license
1.43 hostname 3.21
1.43.1 Available under license
1.44 init-system-helpers 1.56+nmu1
1.44.1 Available under license
1.45 mime-support 3.62
1.45.1 Available under license
1.46 libidn 1.33-2.2
1.46.1 Available under license
1.47 perl 5.28.1-6+deb10u1
1.48 mailutils 3.5-4
1.48.1 Available under license
1.49 libntlm 1.5-1+deb10u1
1.49.1 Available under license
1.50 argparse 1.2.1
1.50.1 Available under license
1.51 libseccomp 2.3.3-4
1.51.1 Available under license

1.52.1 Available under license

1.52 iconv 2.28

1.53 libcap 2.25-2

1.53.1 Available under license
1.54 selinux 2.8-1+b1
1.54.1 Available under license
1.55 pam 1.3.1-5
1.55.1 Available under license
1.56 libmnl 1.0.4-2
1.56.1 Available under license
1.57 popt 1.16-12
1.57.1 Available under license
1.58 procps 3.3.15-2
1.58.1 Available under license
1.59 mpdecimal 2.4.2-2
1.59.1 Available under license
1.60 libevent 2.1.8-stable-4
1.60.1 Available under license
1.61 pciutils 3.2.1
1.61.1 Available under license
1.62 gpm 1.20.7-5
1.62.1 Available under license
1.63 tcp-wrappers 7.6.q-28
1.63.1 Available under license
1.64 liblognorm 2.0.5-1
1.64.1 Available under license
1.65 sysv-init 2.93-8
1.65.1 Available under license
1.66 meld 1.0.2
1.66.1 Available under license
1.67 file 5.35-4+deb10u2
1.67.1 Available under license
1.68 kyotocabinet 1.2.76-4.2+b1
1.68.1 Available under license
1.69 iproute 4.20.0-2+deb10u1
1.69.1 Available under license
1.70 mysql-defaults 1.0.5
1.70.1 Available under license
1.71 zstd 1.3.8+dfsg-3+deb10u2
1.71.1 Available under license

1.72.1 Available under license

1.72 gc 7.6.4-0.4

1.73.1 Available under license
1.74 acl 2.2.53-4
1.74.1 Available under license
1.75 libsemanage-common 2.8-2
1.75.1 Available under license
1.76 iputils 20180629-2+deb10u2
1.76.1 Available under license
1.77 readline 8.0
1.77.1 Available under license
1.78 lz4 1.8.3-1+deb10u1
1.78.1 Available under license
1.79 scapy 2.4.5
1.79.1 Available under license
1.80 libgcrypt 1.8.4-5+deb10u1
1.80.1 Available under license
1.81 lsb 10.2019051400
1.81.1 Available under license
1.82 google-test 1.11.0
1.82.1 Available under license
1.83 Izo 2.10-0.1
1.83.1 Available under license
1.84 apt 1.8.2.3
1.84.1 Available under license
1.85 dropbear 2016.74
1.85.1 Available under license
1.86 tdb 1.44.5
1.86.1 Available under license
1.87 debconf 1.5.71+deb10u1
1.87.1 Available under license
1.88 psmisc 23.2-1+deb10u1
1.88.1 Available under license
1.89 tdb 1.42.13
1.89.1 Available under license
1.90 cyrus-sasl 2.1.27+dfsg-1+deb10u2
1.90.1 Available under license
1.91 libnettle6 3.4.1-1+deb10u1
1.91.1 Available under license
1.92 policycoreutils 2.8-1

1.73 tftp-hpa 5.2+20150808-1+b1

1.92.1 Available under license
1.93 gmp 6.1.2+dfsg-4+deb10u1
1.93.1 Available under license
1.94 xz 5.2.4-1+deb10u1
1.94.1 Available under license
1.95 gzip 1.9-3+deb10u1
1.95.1 Available under license
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1.96.1 Available under license
1.97 open-ldap 2.4.47+dfsg-3+deb10u7
1.97.1 Available under license
1.98 dpkg 1.19.8
1.98.1 Available under license
1.99 gsasl 1.8.0-8+deb10u1
1.99.1 Available under license
1.100 futures 3.3.0
1.100.1 Available under license
1.101 packaging 16.8
1.101.1 Available under license
1.102 wsgiref 0.1.2
1.102.1 Available under license
1.103 zlib 1.2.11.dfsg-1+deb10u2
1.103.1 Available under license
1.104 base-files 10.3+deb10u13
1.104.1 Available under license
1.105 gnupg 2.2.12-1+deb10u2
1.105.1 Available under license
1.106 rsyslog 8.1901.0-1+deb10u2
1.106.1 Available under license
1.107 fribidi 1.0.5-3.1+deb10u2
1.107.1 Available under license
1.108 bzip2 1.0.6-9.2~deb10u2
1.108.1 Available under license

1.108.1 Available under license

1.109 sqlite 3.27.2-3+deb10u2

1.109.1 Available under license

1.110 glibc 2.28-10+deb10u2

1.110.1 Available under license

1.111 libtasn 4.13-3+deb10u1

1.111.1 Available under license

1.112 edk2 edk2-stable202202 1.112.1 Available under license 1.113 libidn 2.0.5-1+deb10u1 1.113.1 Available under license 1.114 libunistring 0.9.10-1 1.114.1 Available under license 1.115 libpkit 0.23.15-2+deb10u1 1.115.1 Available under license 1.116 sed 4.7-1 1.116.1 Available under license 1.117 libgpg-error 1.35-1 1.117.1 Available under license 1.118 grep 3.3-1 1.118.1 Available under license 1.119 libsepol 2.8-1 1.119.1 Available under license 1.120 libffi 3.2.1-9 1.120.1 Available under license 1.121 libcap-ng 0.7.9-2 1.121.1 Available under license 1.122 dash 0.5.10.2-5 1.122.1 Available under license 1.123 findutils 4.6.0+git+20190209-2 1.123.1 Available under license 1.124 grub2 2.02 1.124.1 Available under license 1.125 grub2 2.16 1.125.1 Available under license 1.126 efivar 38 1.126.1 Available under license 1.127 debian-archive-keyring 2019.1+deb10u2 1.127.1 Available under license

1.128 systemd 241-7~deb10u10

1.128.1 Available under license

1.129 libfastison 0.99.8-2+deb10u1

1.129.1 Available under license

1.130 openssl 1.1.1n-0+deb10u6

1.130.1 Notifications

1.130.2 Available under license

1.131 elfutils 0.176-1.1+deb10u1 1.131.1 Available under license 1.132 e2fsprogs 1.42.13 1.132.1 Available under license 1.133 Izo 2.09 1.133.1 Available under license 1.134 netbase 5.6 1.134.1 Available under license 1.135 util-linux 2.27.0 1.135.1 Available under license 1.136 kerberos 1.17-3+deb10u6 1.136.1 Available under license 1.137 busybox 1.25.1 1.137.1 Available under license 1.138 ncurses 6.1+20181013-2+deb10u5 1.138.1 Available under license 1.139 zlib 1.2.8 1.139.1 Available under license 1.140 zlib 1.2.7 1.140.1 Available under license 1.141 mariadb 10.3.39-0+deb10u2 1.141.1 Available under license 1.142 unbound 1.9.0-2+deb10u4 1.142.1 Available under license 1.143 gnutls 3.6.7-4+deb10u12 1.143.1 Available under license 1.144 tar 1.30+dfsg-6+deb10u1 1.144.1 Available under license 1.145 exim 4.92-8+deb10u9 1.145.1 Available under license 1.146 util-linux 2.33.1-0.1+deb10u1 1.146.1 Available under license 1.147 expat 2.2.6-2+deb10u7 1.147.1 Available under license

1.1 libtomcrypt 1.17

1.1.1 Available under license:

```
# /*
# * SHA-512
# * Implementation derived from LibTomCrypt (Tom St Denis)
# *
# * LibTomCrypt is a library that provides various cryptographic
# * algorithms in a highly modular and flexible manner.
# *
# * The library is free for all purposes without any express
# * guarantee it works.
# *
# * Tom St Denis, tomstdenis@gmail.com, http://libtomcrypt.org
# */
```

1.2 csrp 1.0

1.2.1 Available under license:

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1.3 libtommath 0.42.0

1.3.1 Available under license:

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-- Tom St Denis

1.4 mtd-utils 1.5.2

1.4.1 Available under license:

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1.11 shadow 4.5-1.1

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

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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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

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Section 6 states terms for distribution of such executables.

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

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

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1.18 audit 2.8.4-3

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1.19 cdebconf 0.249

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1.20 adduser 3.118

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Since Nov 27 1996, it was maintained by Guy Maor <maor@debian.org>. He rewrote most of it.

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

Since March 24 2004, it is maintained by Roland Bauerschmidt <rb@debian.org>, and co-maintained by Marc Haber <mh+debian-packages@zugschlus.de>

Since 23 Oct 2005, it has been maintained by Joerg Hoh <joerg@joerghoh.de>

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1.21 pcre 8.39-12

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1.22 coreutils 8.30-3

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1.23 diffutils 3.7-3

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1.26 supervisor 3.3.5-1

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1.27 libtool 2.4.6-9

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1.32 e2fsprogs 1.44.5-1+deb10u3

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

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c +++ tdbsa/tdb.c

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

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

/ /

- Unix SMB/CIFS implementation.

+ trivial database library - standalone version

- trivial database library - private includes

_

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

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#

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libraries.

```
# In order to use this stub, the following makefile variables must be defined.
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB INSTALL DIR = $(SHLIBDIR)
all:: image
real-subdirs:: Makefile
@echo " MKDIR pic"
@mkdir -p pic
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic
image: $(BSD_LIB)
$(BSD LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB).
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
 `echo $(my_dir) | sed -e 's;lib/;;'\$(BSD_LIB) $(BSD_LIB))
install-shlibs install:: $(BSD_LIB)
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
 $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)
install-strip: install
install-shlibs-strip: install-shlibs
uninstall-shlibs uninstall::
\$(RM) - f \$(DESTDIR)\$(BSDLIB\_INSTALL\_DIR)/\$(BSD\_LIB)
clean::
$(RM)
-rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
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1.34 terminaltables 3.1.0

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- * /opt/ws_local/PERMITS_SQL/1027459591_1591847566.29/0/terminaltables-3-1-0-tar-gz/terminaltables-
- 3.1.0/terminaltables.egg-info/PKG-INFO
- */opt/ws_local/PERMITS_SQL/1027459591_1591847566.29/0/terminaltables-3-1-0-tar-gz/terminaltables-
- 3.1.0/PKG-INFO

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Found in path(s):

- $*/opt/ws_local/PERMITS_SQL/1027459591_1591847566.29/0/terminal tables-3-1-0-tar-gz/terminal tables-3-$
- 3.1.0/setup.py

1.35 dosfs-tools 3.0.26

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1.36 gpt-fdisk 0.8.8

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1.39 base-passwd 3.5.46

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1.42 debianutils 4.8.6.1

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1.45 mime-support 3.62

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1.46 libidn 1.33-2.2

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That's all there is to it!

1.50 argparse 1.2.1

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1.51 libseccomp 2.3.3-4

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1.59 mpdecimal 2.4.2-2

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1.61 pciutils 3.2.1

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1.63 tcp-wrappers 7.6.q-28

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1.64 liblognorm 2.0.5-1

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1.76 iputils 20180629-2+deb10u2

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Upstream-Name: liblz4

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

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

Files: *

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"testfiles": [
 "test/*.uts",
 "test/scapy/layers/*.uts",
  "test/contrib/automotive/*.uts",
 "test/contrib/automotive/obd/*.uts",
 "test/contrib/automotive/gm/*.uts",
 "test/contrib/automotive/bmw/*.uts",
 "test/contrib/automotive/xcp/*.uts",
  "test/contrib/*.uts"
],
"remove_testfiles": [
 "test/linux.uts",
  "test/windows.uts",
 "test/contrib/automotive/ecu_am.uts",
 "test/contrib/automotive/gm/gmlanutils.uts",
  "test/contrib/isotp.uts",
 "test/contrib/isotpscan.uts"
],
"onlyfailed": true,
"preexec": {
 "test/contrib/*.uts": "load_contrib(\"%name%\")",
 "test/cert.uts": "load_layer(\"tls\")",
 "test/sslv2.uts": "load_layer(\"tls\")",
 "test/tls*.uts": "load_layer(\"tls\")"
},
"kw_ko": [
 "linux",
 "windows",
 "crypto_advanced",
 "ipv6",
  "vcan socket"
1
```

1.80 libgcrypt 1.8.4-5+deb10u1

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Disclaims changes by Matthew Skala.

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Original code for cipher/rfc2268.c.

LIBGCRYPT The Written Word 2005-04-15

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past and future changes. (new: src/libgcrypt.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

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=========

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This file contains a list of people who've made non-trivial
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who commit code to the project are encouraged to add their names

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1.83 Izo 2.10-0.1

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*

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

*

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

*

* Adam Langley <agl@imperialviolet.org>

*

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

*

- * More information about curve25519 can be found here
- * http://cr.yp.to/ecdh.html

*

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

*

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

*/

1.86 tdb 1.44.5

1.86.1 Available under license:

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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were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

BSDLIB_VERSION = 1.0

BSDLIB_IMAGE = libce

BSDLIB_MYDIR = et

BSDLIB_INSTALL_DIR = \$(SHLIBDIR)

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

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

image: \$(BSD_LIB)

\$(BSD_LIB): \$(OBJS)

(cd pic; ld -Bshareable -o \$(BSD_LIB) \$(LDFLAGS_SHLIB) \$(OBJS))

```
$(MV) pic/$(BSD_LIB).
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
 `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))
install-shlibs install:: $(BSD_LIB)
@echo " INSTALL PROGRAM $(BSDLIB INSTALL DIR)/$(BSD LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
 $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)
install-strip: install
install-shlibs-strip:: install-shlibs
uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
clean::
$(RM)
-rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
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Index: tdbsa/tdb.c

```
--- tdbsa.orig/tdb.c
```

+++ tdbsa/tdb.c

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

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

*/

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

-

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Gadi Oxman, August 1995

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Theodore Ts'o		
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relink to produce a modified

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

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

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

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2)

will operate

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Metadata-Version: 1.0

Name: wsgiref Version: 0.1.2

Summary: WSGI (PEP 333) Reference Library

Home-page: http://cheeseshop.python.org/pypi/wsgiref

Author: Phillip J. Eby

Author-email: web-sig@python.org

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Description: This is a standalone release of the ``wsgiref`` library to be included in

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

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a

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

medium customarily used for software interchange.

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it

contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

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

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

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable

source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified

executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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1.108 bzip2 1.0.6-9.2~deb10u2

1.108.1 Available under license:

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Upstream-Name: bzip2
Source: http://www.bzip.org/

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

1.109 sqlite 3.27.2-3+deb10u2

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1.110 glibc 2.28-10+deb10u2

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@subheading TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@enumerate 0

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@enumerate a

@item

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@item

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root function must still compute square roots.)

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

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

Otherwise,

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

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Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable ``work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

@item

Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate

properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

@item

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate

properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

* August 3, 2017

Update the TianoCore Contribution Agreement from Version 1.0 to Version 1.1 to cover open source documentation associated with the TianoCore project.

Version 1.0 covers source code files. Version 1.1 is a backwards compatible extension that adds support for document files in both source form and compiled form.

References:

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Proposals (RFCs):

https://lists.01.org/pipermail/edk2-devel/2017-March/008654.html

TianoCore Bugzilla:

https://bugzilla.tianocore.org/show_bug.cgi?id=629

* April 9, 2019

Replace BSD 2-Clause License with BSD + Patent License removing the need for the TianoCore Contribution Agreement.

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https://lists.01.org/pipermail/edk2-devel/2019-February/036260.html https://lists.01.org/pipermail/edk2-devel/2019-March/037500.html

TianoCore Bugzilla: https://bugzilla.tianocore.org/show_bug.cgi?id=1373
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- === Start of sample patch email message ===

From: Contributor Name <contributor@example.com>

Subject: [Repository/Branch PATCH] Module: Brief-single-line-summary

Full-commit-message

Contributed-under: TianoCore Contribution Agreement 1.1

Signed-off-by: Contributor Name <contributor@example.com></contributor@example.com>
An extra message for the patch email which will not be considered part
of the commit message can be added here.
Patch content inline or attached
=== End of sample patch email message ===
=== Notes for sample patch email ===
* The first line of commit message is taken from the email's subject
line following [Repository/Branch PATCH]. The remaining portion of the
commit message is the email's content until the '' line.
* git format-patch is one way to create this format
=== Definitions
for sample patch email ===
* "Repository" is the identifier of the repository the patch applies.
This identifier should only be provided for repositories other than
'edk2'. For example 'edk2-BuildSpecification' or 'staging'.
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identifier should only be provided for branches other than 'edk2/master'.
For example 'edk2/UDK2015', 'edk2-BuildSpecification/release/1.27', or 'staging/edk2-test'.
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example 'MdePkg', 'MdeModulePkg/UsbBusDxe', 'Introduction', or 'EDK II INF File Format'.
* "Brief-single-line-summary" is a short summary of the change.
* The entire first line should be less than ~70 characters.
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the change. Each line should be less than ~70 characters.
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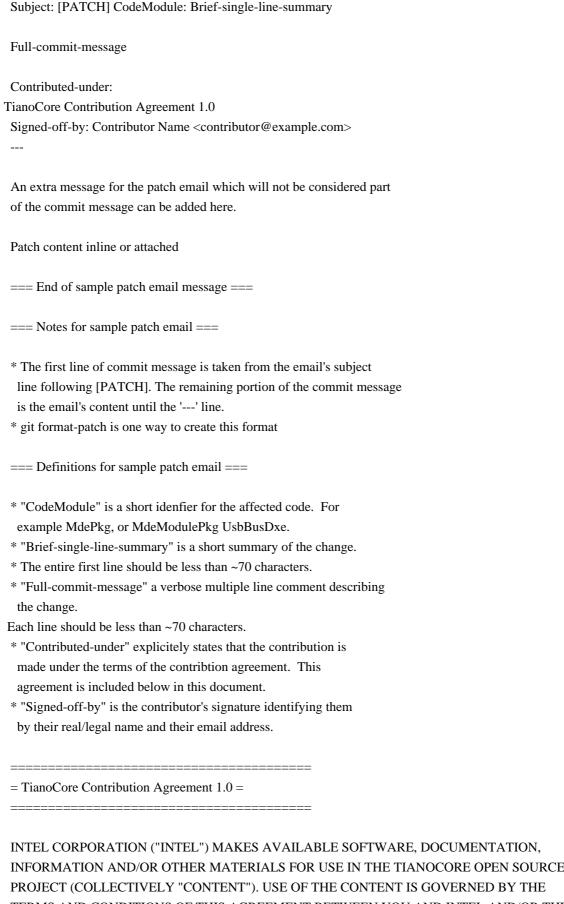
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== Sample Change Description / Commit Message =
=== Start of sample patch email message ===

From: Contributor Name <contributor@example.com>



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1.114 libunistring 0.9.10-1

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1.115 libpkit 0.23.15-2+deb10u1

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Format: http://dep.debian.net/deps/dep5

Upstream-Name: p11-kit

Source: https://p11-glue.github.io/p11-glue/p11-kit.html

Files: *

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trust/oid.c trust/oid.h

trust/pem.c trust/pem.h common/argv.c common/argv.h common/pkcs11x.h

common/pkcs11i.h

common/test-constants.c common/test-hash.c

p11-kit/pkcs11.h p11-kit/test-managed.c

trust/builder.c trust/builder.h trust/digest.h trust/module.c

trust/module.h trust/module-init.c trust/pem.c

trust/pem.h trust/oid.c

trust/oid.h trust/parser.h

trust/session.c trust/session.h trust/frob-cert.c

trust/frob-eku.c trust/frob-token.c

trust/test-digest.c trust/test-enumerate.c

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common/tool.h p11-kit/deprecated.h

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p11-kit/proxy.h

p11-kit/test-log.c trust/anchor.c trust/anchor.h

trust/enumerate.c trust/enumerate.h trust/extract.c

trust/extract-cer.c trust/extract.h

trust/extract-openssl.c trust/extract-pem.c trust/index.c

trust/index.h trust/list.c trust/list.h trust/persist.c

trust/persist.h trust/save.c trust/save.h trust/frob-bc.c

trust/frob-ext.c trust/frob-pow.c

trust/test-base64.c

trust/test-builder.c trust/test-save.c

 $trust/test\text{-}utf8.c\ trust/test\text{-}x509.c$

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Comment: make_private_security_descriptor() and the helper functions were

- * copied from putty/windows/winsecur.c in the PuTTY source code as of
- * git commit 12bd5a6c722152aa27f24598785593e72b3284ea.

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1.119 libsepol 2.8-1

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1.120 libffi 3.2.1-9

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1.122 dash 0.5.10.2-5

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1.123 findutils 4.6.0+git+20190209-2

1.123.1 Available under license:

It was downloaded from ftp://ftp.gnu.org/gnu/findutils

Debian maintainer history: The original package was put together by Ian Murdock <imurdock@debian.org>, afterwards Kevin Dalley <kevind@rahul.net> took over. 2003-07 Andreas Metzler <ametzler@debian.org> followed.

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* GNU xargs

was originally written by Mike Rendell, with enhancements by David MacKenzie. Modifications by James Youngman Dmitry V. Levin

* GNU locate and its associated utilities were originally written by James Woods, with enhancements by David MacKenzie, James Youngman and Bas van Gompel.

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1.124 grub2 2.02

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1.129 libfastjson 0.99.8-2+deb10u1

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1.131 elfutils 0.176-1.1+deb10u1

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1.132 e2fsprogs 1.42.13

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```
Index: tdbsa/tdb.c
```

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

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

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

*/

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

-

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Gadi Oxman, August 1995

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

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

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```
DAMAGE.
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
# In order to use this stub, the following makefile variables must be defined.
# BSDLIB VERSION = 1.0
# BSDLIB_IMAGE = libce
#BSDLIB MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
all:: image
real-subdirs:: Makefile
@echo " MKDIR pic"
@mkdir -p pic
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic
image: $(BSD_LIB)
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
$(MV) pic/$(BSD_LIB).
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
 `echo $(my_dir) | sed -e 's;lib/;; `\$(BSD_LIB) $(BSD_LIB))
install-shlibs install:: $(BSD_LIB)
```

```
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

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

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

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Theodore Ts'o
23-June-2007

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

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

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

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1.134 netbase 5.6

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1.135 util-linux 2.27.0

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2 7680 16383 8704 4.3M 8f8378c0-02

5 7936 12799 4864 2.4M

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Public License instead of this License.
#!/usr/bin/env bash
# MIT licenses will each have a unique MD5 sum since they contain a unique copyright.
# This script will read the license file into memory, strip out the copyright, and then
# generate an MD5 that is not unique and can be matched against a known MIT MD5 sum.
set -e
calculate_md5_sum() {
local FILE="$1"
# Read the contents of the file into a variable
local raw_license_text=$(<"$FILE")</pre>
# Convert to lowercase
local lowercase_license_text="${raw_license_text,,}"
# Remove anything before the beginning of the license
local stripped_license_text=$(awk '/permission is hereby granted,/{p=1} p' <<< "$lowercase_license_text")
# Replace line breaks (Windows or Linux) with a single space
local replaced_linebreaks=$(tr '\r\n' ' ' <<< "$stripped_license_text")</pre>
# Replace multiple spaces with a single space
local normalized_license_text=$(tr -s ' ' <<< "$replaced_linebreaks")
# Strip away any non-printable, non-whitespace characters
local clean_unprintable_license_text=$(tr
-cd '[:print:][:space:]' <<< "$normalized_license_text")</pre>
# Remove punctuation and special characters
local clean_license_text=$(echo "$clean_unprintable_license_text" | sed 's/[^a-zA-Z ]//g')
# Calculate the MD5 sum of the cleaned license text
local MD5SUM=$(echo -n "$clean_license_text" | md5sum | awk '{print $1}')
# Output the MD5 sum
```

echo "\$MD5SUM"

```
}
# Check if the FILE argument is provided
if [ -z "$1" ]; then
echo "Please provide a FILE as an argument."
exit 1
fi
# Invoke the function with the provided FILE argument
calculate md5 sum "$1"
WEV @@ WEV[B "1
x ?"U@,5 @mISmIN<GimCN7g1u|E
43mI,5WEV @@ WEV @mImImIAmImImI0mImImI*mImI
A0mImImI...
lost+found...
;9GimCN7g
!"#$%&'()*+,-
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
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1.137 busybox 1.25.1

1.137.1 Available under license:

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1.138 ncurses 6.1+20181013-2+deb10u5

1.138.1 Available under license:

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

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

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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.

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Files: doc/html/NCURSES-Programming-HOWTO.html

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Files: progs/tset.c ncurses/tinfo/read termcap.c

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

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- -- vile:txtmode fc=72
- -- \$Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp \$
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 library and terminfo utilities. neurses/terminfo was originally written
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 currently held by the Free Software Foundation.

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

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

It is based somewhat on work done by Bruce Perens <Bruce@Pixar.com>,
David Engel <david@elo.ods.com>. Michael Alan Dorman
<mdorman@debian.org>, Richard Braakman <dark@xs4all.nl>, James Troup
<jjtroup@comp.brad.ac.uk>, J.H.M. Dassen (Ray)
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1.139 zlib 1.2.8

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1.140 zlib 1.2.7

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1.141 mariadb 10.3.39-0+deb10u2

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Rules:

rules:

Glob: storage/maria/ma_commit.c storage/maria/trnman.h storage/maria/trnman_public.h storage/maria/unittest/trnman-t.c include/waiting_threads.h unittest/mysys/waiting_threads-t.c mysys/waiting_threads.c storage/maria/trnman.c include/maria.h

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Glob: storage/connect/*

```
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    Glob: client/async_example.c include/my_context.h mysys/my_context.c storage/connect/inihandl.c \
      storage/tokudb/ft-index/third_party/xz-4.999.9beta/lib/getopt.c storage/tokudb/ft-index/third_party/xz-
4.999.9beta/lib/getopt.in.h \
      storage/tokudb/ft-index/third_party/xz-4.999.9beta/lib/getopt1.c storage/connect/inihandl.c \
      tests/nonblock-wrappers.h tests/async_queries.c sql-common/mysql_async.c
    License: LGPL-2.1+
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      Glob: debian/additions/innotop/*
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      storage/xtradb/include/pars0grm.h storage/xtradb/pars/pars0grm.cc
    License: GPL-2+-with-bison-exception
    Glob: storage/innobase/fts/ftsOpars.cc \ sql/sql\_yacc.cc \ sql/sql\_yacc.h \ storage/innobase/include/ftsOpars.h \ \setminus \ storage/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobase/innobas
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    Glob: storage/connect/inihandl.c
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    Glob:
  storage/innobase/ut/ut0crc32.cc storage/xtradb/ut/ut0crc32.cc
    License: GPL-2 and BSD-2-clause
    Glob: storage/oqgraph/graphcore-graph.h storage/oqgraph/graphcore.h storage/oqgraph/graphcore-graph.cc \
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License: GPL-2+
  Glob: include/maria.h include/myisamchk.h
  License: GPL-2+
  Glob: storage/maria/ma_rt_index.c storage/maria/ma_rt_mbr.c storage/maria/ma_sp_defs.h
storage/maria/ma_rt_index.h storage/maria/ma_rt_mbr.h
  Copyright: MySQL AB, Ramil Kalimullin, MySQL Finland AB
  Glob: extra/yassl*COPYING
  Contains: Everyone is permitted to copy and distribute verbatim copies
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  License: GPL-verbatim
  Glob: storage/connect/CMakeLists.txt
  VerifyLicense: GPL-2
  Glob: storage/innobase/COPYING.*
   CopyrightExtract: *extract
  Glob: scripts/mysqlaccess.conf
  Max Version: 5.6
  License: GPL-2
  Copyright: 1997 Yves.Carlier@rug.ac.be
  Glob: mysys/sha1.c
  MaxVersion: 5.6
  Copyright:
   - 2002, 2004, 2006 MySQL AB
   - 2001 The Internet Society
  Glob: regex/regexp.c
  MaxVersion: 5.6
  CopyrightExtract: *extract
  VerifyLicense: UNKNOWN
  License: BSD-like
  Glob: libmysqld/lib_sql.cc
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  CopyrightExtract: \s^*\s^*Copyright\s^*\c(\c)\s+(\Y+\s^*\s+SWsoft\s+company)
  License: SWsoft
  Glob: debian/additions/mysqlreport*
  MaxVersion: 5.6
  Copyright: Daniel Nichter <public@codenode.com>
  Glob: include/mysql_version.h.in
  MaxVersion: 5.6
```

```
Copyright: 1996, 1999, 2001 MySQL AB
     License: public-domain
     Glob: cmd-line-utils/readline/COPYING extra/yassl/taocrypt/COPYING
     Copyright: 1989, 1991 Free Software Foundation, Inc.
     Glob: s*.h
     VerifyLicense: BSD (3 clause) GPL (v2)
     License: BSD-3-clause
   or GPL-2
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     Glob: scripts/*.pl
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     License: BSD-3-clause
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 Glob: sql/* storage/* mysys/*
     MMagic: text/plain
     VerifyLicense: Public domain GPL (v2)
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License: GPL-2

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CopyrightExtract: *CE
 Glob: s* plugin/* mysql-test/*.p[lm] tests/* mysys/* unittest/* include/* extra/* dbug/*.pl cmd-line-utils/readline*
 VerifyLicense: GPL (v2)
 CopyrightExtract: *CE
 Glob: extra/*
 MMagic: text/plain
 VerifyLicense: UNKNOWN
 CopyrightExtract: *CE
 Matches:
\s+This\s+file\s+is\s+free\s+documentation;\s+the\s+Free\s+Software\s+Foundation\s+gives\s+unlimited\s+permiss
ion\s+to\s+copy,\s+distribute\s+and\s+modify\s+it.
 License: unlimited-free-doc
 Glob: storage/ndb/src/common/util/md5_hash.cpp
 Max Version: 5.6
 MMagic: text/plain
 Contains: |
  * This code implements the MD5 message-digest algorithm.
  * The algorithm is due to Ron Rivest. This code was
  * written by Colin Plumb in 1993, no copyright is claimed.
  * This code is in the public domain; do with it what you wish.
  * Equivalent code is available from RSA Data Security, Inc.
  * This code has been tested against that, and is equivalent,
  * except that you don't need to include two pages of legalese
  * with every copy.
  * The code has been
modified by Mikael Ronstroem to handle
  * calculating a hash value of a key that is always a multiple
  * of 4 bytes long. Word 0 of the calculated 4-word hash value
  * is returned as the hash value.
 Matches: the \s+Free \s+Foundation; \s+version \s+2 \s+of \s+the \s+License.
 License: GPL-2
 Copyright: Copyright (C) 2003 MySQL AB
 Justification: Seems to have been taken out of public domain by Oracle.
 Glob: mysys/md5.c
 MaxVersion: 5.6
 MMagic: text/plain
 Contains: |
 /* Copyright (C) 2000 MySQL AB
```

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

General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA */

/*

- * This code implements the MD5 message-digest algorithm.
- * The algorithm is due to Ron Rivest. This code was
- * written by Colin Plumb in 1993, no copyright is claimed.
- * This code is in the public domain; do with it what you wish.

*

- * Equivalent code is available from RSA Data Security, Inc.
- * This code has been tested against that, and is equivalent,
- * except that you don't need to include two pages of legalese
- * with every copy.

*

- * To compute the message digest of a chunk of bytes, declare an
- * MD5Context structure, pass it to MD5Init, call MD5Update as
- * needed on buffers full of bytes, and then call MD5Final, which
- * will fill a supplied

16-byte array with the digest.

*/

/* This code was modified in 1997 by Jim Kingdon of Cyclic Software to not require an integer type which is exactly 32 bits. This work draws on the changes for the same purpose by Tatu Ylonen <ylo@cs.hut.fi> as part of SSH, but since I didn't actually use that code, there is no copyright issue. I hereby disclaim copyright in any changes I have made; this code remains in the public domain. */

License: GPL-2

Copyright: Copyright (C) 2000 MySQL AB

Justification: Seems to have been taken out of public domain by Oracle.

.

Glob: storage/ndb/test/include/getarg.h

MaxVersion: 5.5.30

Copyright: |

2003 MySQL AB

1997-1999 Kungliga Tekniska Hgskolan

License: BSD (3 clause) or GPL-2

Justification: Check the actual file but this looks like a dual-license to me

-

Glob: dbug/*

Matches:

 $Copyright/s + Abandoned, \\ s + 1987, \\ s + Fred/s + Fish/s + \\ s + \\ s$

Copyright: 1987 Abandoned Fred Fish

License: public-domain

Std:

ChangeLog: license: GPL-2+

Default: rules:

_

Copyright: 2000, 2012, Oracle and/or its affiliates. All rights reserved.

License: GPL-2

Justification: This is taken from the README file. # README for Debian packaging contributors #

This documentation describes how to contribute to the official Debian packages of MariaDB. The packaging in Debian repositories is not identical to the packaging in mariadb.org repositories, but whatever is in Debian repositories will eventually be upstreamed.

Development environment and tools

Use a recent version of Debian or Ubuntu as the environment for Debian packaging testing and development. Preferred environment is Debian Sid (unstable).

Install the tool used to manage and build the source sudo apt-get install git-buildpackage

Getting the source

The official Debian package source is hosted on the Debian Gitlab server under the MariaDB/MySQL packaging team at https://salsa.debian.org/mariadb-team/. You are welcome to fork it and make merge requests.

To get the latest official Debian packaging source of mariadb-10.3, clone the source repository with all relevant branches (master, upstream, pristine-tar) to your local environment

using _git-buildpackage_:

gbp clone --pristine-tar https://salsa.debian.org/mariadb-team/mariadb-10.3.git

If you have your own fork and SSH keys set up on Salsa, you can run:

The clone needs to be run only once. On later runs you can refresh your clone with relevant branches using gbp pull --pristine-tar --force

Building the packages

Build binaries, run testsuite and build Debian packages with gbp buildpackage

On the first run git-buildpackage will complain if some of the build dependencies defined in debian/control are missing. Simply install those packages and run the build again.

A quick command to install all dependencies: sudo mk-build-deps -r -i debian/control -t "apt-get -y -o Debug::pkgProblemResolver=yes --no-install-recommends"

If the build fails, the easiest way to clean up before a new run is git clean -fdx && git reset --hard

Build options

If you want to skip the mysql-test-run step (which takes a lot of time) set the following environment variable: export DEB_BUILD_OPTIONS="nocheck"

If you want to run the build in parallel on 2 CPUs and have verbose output: export DEB_BUILD_OPTIONS="parallel=2 verbose"

The options above can also be combined freely to get desired behavior.

Creating a feature or bugfix branch

The repository has the following branch layout:

- * upstream contains the upstream source releases without modifications
- * pristine-tar contains extra delta needed to re-create the original tarballs with the exactly same SHA-1 hash as the original tarballs by upstream
- * master packaging for Debian Sid (unstable)
- * jessie release branch for Debian 8 (jessie)
- * stretch release branch for Debian 9 (stretch)
- * ubuntu-16.04 release branch for Ubuntu 16.04 (xenial)

* ubuntu-18.04 - release branch for Ubuntu 18.04 (bionic)

All new features and also bugfixes are done only in the master branch. The release

branches for Debian and Ubuntu are only used for security updates.

To prepare the Salsa pull request, create a bugfix branch from master with: git checkout -b fix-example-name

After this you can develop with all the usual git commit and push commands until you have in your fork at Salsa the desired change and you are ready to open the merge request.

Notes about how to make changes in the proper way

First consider submitting your patch upstream. Upstream MariaDB makes frequent maintenance releases and any fix done upstream will therefore be included in Debian relatively quickly. You can send email to the developers mailing list or open a pull request at https://github.com/MariaDB/server.

Follow these instructions if your fix is about packaging in Debian specifically. Start by using gitk or similar tool to browse the previous changes. Try to follow similar pattern in your new changes.

Keep in mind that all changes must done only for files residing in the debian/subdirectory.

If you need to create changes outside the debian/ directory, then you need to create a patch file using the same pattern as the patches found in debian/patches and activated by a line in debian/patches/series

Do not bundle in your commit any changes to debian/changelog. The correct changelog entries will be created later by the maintainer using git-dch in an automated fashion.

For an example of a patch adding commit see https://github.com/ottok/mariadb-10.0/commit/8d2a7c909

Using Docker

First make a working directory for the build artefacts. Inside that directory clone the repository. Then start a Docker session using whatever Debian/Ubuntu image you want with the command:

 $docker\ run\ \hbox{-it -v } \{PWD\} \hbox{:/build -w /build debian:sid bash}$

This will start a session, where you are as the root user in the path /build inside the Docker container. Here you can cd into the source directory, install dependencies and start the build. Note that when you exit the session, everything will be lost

apart from the files you had inside the mounted volume in /build. # Using sbuild If you prefer sbuild, you can build with something like: gbp buildpackage --git-builder=sbuild -A -v -d unstable Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/ Upstream-Name: MariaDB Server Upstream-Contact: https://mariadb.org/jira Source: https://github.com/MariaDB/server Comment: Originally produced by a modified version of licensecheck2dep5 from CDBS by Clint Byrum <clint@ubuntu.com>. Hand modified to reduce redundancy in the output and add appropriate license text. The file has been rechecked against the source using the development version of license-reconcile, see #686485. Also, MySQL carries the "FOSS License Exception" specified in README Quoting from README: MySQL FOSS License Exception We want free and open source software applications under certain licenses to be able to use specified GPL-licensed MySQL client libraries despite the fact that not all such FOSS licenses are compatible with version 2 of the GNU General Public License. Therefore there are special exceptions to the terms and conditions of the GPLv2 as applied to these client libraries, which are identified and described in more detail in the FOSS License Exception at http://www.mysql.com/about/legal/licensing/foss-exception.html. The text of the Above URL is quoted below, as of Aug 17, 2011. > FOSS License Exception > Updated July 1, 2010 > What is the FOSS License Exception? Oracle's Free and Open Source > Software ("FOSS") License Exception (formerly known as the FLOSS > License Exception) allows developers of FOSS applications to include > Oracle's MySQL Client Libraries (also referred to as "MySQL Drivers"

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mysql-test/lib/My/ConfigFactory.pm

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BUILD/compile-solaris-amd64

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tests/pkcs11/pkcs11-mock.*

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- * For English description, check RFC 5830.
- * S-Boxes are expanded from the tables defined in RFC4357:
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The

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 and valid for as

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This package is maintained for Debian by Bdale Garbee <bdde@gag.com>, and was built from the sources found at:

ftp://ftp.gnu.org/gnu/tar/

More recently, I'm directly using the upstream source repository at

http://git.savannah.gnu.org/cgit/tar.git

GNU tar is

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1.145 exim 4.92-8+deb10u9

1.145.1 Available under license:

No license file was found, but licenses were detected in source scan.

```
#!/usr/bin/env perl
# Copyright (c) The Exim Maintainers 2016 - 2023
use strict;
use warnings;
use Carp;
use Cwd qw'abs_path';
use File::Basename;
use File::Path qw(make_path remove_tree);
use File::Temp;
use Getopt::Long;
use IO::File;
use Pod::Usage;
use Digest::SHA;
use feature 'state';
use if $ENV{DEBUG} => 'Smart::Comments';
my ME = basename $0;
my $debug = undef;
my verbose = 0;
# MAJOR.MINOR[.SECURITY[.FIXES]][-RCX]
#4 .90 .0
                .22
my $version_pattern = qr/
 (?<release>
 (?<target_release>
```

```
(?< major > \d)
                        #4
                      # .90 or .105
    \.(?< minor> \d+)
   (?:\.(?<\text{security}>\d+) # .0
   (?:\.(?<fixes>)\d+)?)? #
                   # target-release ->|
   (?:-(?<rc>RC\d+)?)? #
                                 -RC1
/x;
my $quick_version_pattern = qr/
 (?<release>
 (?<last_tag>
      (?< major > \d)
                        #4
    \.(?<minor>\d+)
     # .90 or .105
   (?:\.(?<\text{security}>\d+) # .0
   (?:\.(?<fixes>)\d+)?)? # .22
                  # last-tag ->|
   (?:-(?<quick>\d+-g[[:xdigit:]]+))? # -3-gdeadbef
  )
/x;
package Context {
  use strict; # not strictly necessary yet, until in an own package
  use warnings; # not strictly necessary yet, ...
  use File::Spec::Functions qw'splitpath catfile catdir splitdir';
  use File::Path qw'make_path remove_tree';
  use File::Copy;
  use Cwd qw'abs_path';
  use Carp;
  package PWD {
    use Cwd;
    sub TIESCALAR { bless do {\my $x} }
    sub FETCH { cwd }
  }
  tie my $cwd => 'PWD' or die; # this returns the current dir now, dynamically
  sub new {
    my $class = shift;
    return bless { @_ } => $class;
  }
  sub check_version {
    my $context = shift;
```

```
my $version = shift // 'HEAD';
#
| v | > 
# release =>
                        4.92-RC4 | 4.92-27-gabcdef
# target_release|last_tag => 4.92 | 4.92
# major => 4
# minor => 92
# security =>
# fixes =>
# rc|quick => RC4 | 27-gabcdef
# }
# v => {
# release =>
                        4.92-RC4 | 4.92-27-gabcdef-dirty
# target_release|last_tag => 4.92 | 4.92
# major => 4
# minor => 92
# security =>
# fixes =>
# rc|quick => RC4 | 27-gabcdef-dirty
if ($context->{quick}) {
  # Try to find suitable version description
  chomp(my $describe = do { # we wrap it into a open() to avoid hassle with
     open(my $fh, '-|',
                       # strange version descriptions
       'git', describe => $version) or die;
     <$fh>
     } // exit 1);
  $describe =~ /$quick_version_pattern/;
  % {\text{scontext->} \{v\}} = %+;
  (\$context->\{commit\}) = \$version // (\$context->\{v\}\{quick\} = \sim /g([[:xdigit:]]+)/);
}
  croak "The given version number does not look right - $version"
     if not $version =~ /$version_pattern/;
  % {\text{scontext->} \{v\}} = %+;
  # find a valid vcs tag matching the version
  my \cdot pattern = "context-> \{pkgname\} - context-> \{v\} \{release\} " = \sim s/[-\_.]/[-\_.]/gr;
  chomp(my @tags = qx{git tag --list '$pattern'});
```

```
croak "The given version is ambigous, tags: @tags\n" if @tags > 1;
      croak "The given version does not exist (no such tag: exim-$version)\n" if @tags == 0;
      \text{scontext->}\{\text{commit}\} = \text{stags}[0];
      # target_release: the release we aim to reach with release candidates
      # FIXME: re-construct from the parsed version number
    }
   die "$ME: This script doesn't work for versions prior 4.92-RCx."
     ."Please checkout an older version.\n"
      if context->\{v\}\{major\}<4
      or \text{context->}\{v\}\{\text{major}\} == 4 \&\& \text{context->}\{v\}\{\text{minor}\} < 92;
   ### v: $context->{v}
 }
 # We prefer gtar to tar if gtar exists in $PATH
 sub override_tar_cmd {
   my $context = shift;
   my $tar = $context->{tar_cmd};
   return unless $tar eq 'tar';
   foreach my $d (File::Spec->path()) {
      my $p = catfile($d, 'gtar');
      if (-x $p) {
        context->\{tar\_cmd\} = p;
        print "Switched tar command to: $p\n" if $verbose;
        return;
      }
   }
 }
 sub prepare_working_directory {
   my $context = shift;
   my $workspace = $context->{workspace};
   if (not defined $workspace) {
      $workspace = $context->{workspace} = File::Temp->newdir(
        TEMPLATE => File::Spec->tmpdir
. '/exim-packaging-XXXX',
        CLEANUP => $context->{cleanup});
    }
      # ensure the working directory is not in place
```

```
if (-e $workspace) {
        if ($context->{delete}) {
          print "Deleting existing $workspace\n" if $verbose;
          remove_tree $workspace, { verbose => $verbose || $debug };
        }
        else {
          croak "Working directory $workspace exists" if -e $workspace;
        }
      }
      # create base directory
      make\_path( \$context-> \{directory\}, \{ \ verbose => \$verbose \ \| \ \$debug \ \} \ );
    }
   # Set(!) and create subdirectories
   foreach (qw(vcs_export pkg_tars pkg_trees tmp)) { # {dookbook}
      make_path(
        \text{scontext->}\{d\}\{\$_{}\} = \text{catdir}(\text{sworkspace}, \$_{}),
        { verbose => $verbose || $debug });
    }
  }
 sub export_git_tree {
   my $context
= shift;
   # build git command
   >{pkgname}, $context->{v}{release};
    ### $archive file
   my @cmd = ('git', 'archive', '--format=tar', "--output=$archive_file", $context->{commit});
   ### @cmd
   # run git command
   print "[$cwd] Running: @cmd\n" if $verbose;
   0 == system @cmd or croak "Export failed";
  }
 sub unpack_tree {
   # TODO: Why can't we combine the export_git_tree with the
   # unpack_tree function?
   my $context = shift;
   ### $context
   die "Cannot see archive file\n" unless -f $context->{tmp_archive_file};
   my @cmd = ('tar',
      xf => $context->{tmp_archive_file},
      -C => $context->{d}{vcs_export});
```

```
#run command
   print "[$cwd] Running: @cmd\n" if $verbose;
   system @cmd and croak "Unpack failed\n";
 }
 sub make version script
   my $context = shift;
   #my $variant = substr( $context->{v}{release}, length($context->{v}{target_release}) );
   #if ( $context->{v}{release} ne $context->{v}{target_release} . $variant ) {
   # die "Broken version numbering, I'm buggy";
   #}
   # Work
   if (not my pid = fork // die "ME: Cannot fork: <math>|\cdot|") {
      my $source_tree = catdir($context->{d}{vcs_export}, 'src', 'src');
      ### $source tree
     chdir $source_tree or die "chdir $source_tree: $!\n";
     croak "WARNING: version.sh already exists - leaving it in place\n"
        if -f 'version.sh':
      # Currently (25. Feb. 2016) the mk_exim_release.pl up to now can't
      # deal with security releases.!? So we need a current
      # mk_exim_release.pl. But if we use a current (master), the
      # reversion script returns wrong version info (it's running inside
      # the Git tree and uses git --describe,
which always returns the
      # current version of master.) I do not want to change the old
      # reversion scripts (in 4.86.1, 4.85.1).
      # Thus we've to provide the version.sh, based on the info we have
      # about the release. If reversion finds this, it doesn't try to find
      # it's own way to get a valid version number from the git.
      #
      # 4.89 series: the logic here did not handle _RC<N> thus breaking RC
      # status in versions. nb: rc in context should be same as $variant
      # in local context.
      #my $stamp = $context->{minor} ? '_'.$context->{minor} : ";
      #$stamp .= $context->{rc} if $context->{rc};
      my $release = $context->{quick} ? $context->{v}{last_tag}
                          : $context->{v}{target_release};
```

```
my $variant =
          context > \{v\}\{rc\} ? context > \{v\}\{rc\}
         : $context->{v}{quick}
? $context->{v}{quick}
         : ";
       print "[$cwd] create version.sh\n" if $verbose;
       open(my $v, '>', 'version.sh') or die "Can't open version.sh for writing: $!\n";
       print {$v} << ;
# initial version automatically generated by $0
EXIM_RELEASE_VERSION=$release
EXIM_VARIANT_VERSION=$variant
EXIM_COMPILE_NUMBER=0
\#\ echo\ "[[[\ \S EXIM\_RELEASE\_VERSION\ |\ \S EXIM\_VARIANT\_VERSION\ |\ \S EXIM\_COMPILE\_NUMBER
111"
       close $v or die "$0: Can not close $source tree/version.h: $!\n";
       unlink 'version.h' or die "$ME: Can not unlink $source tree/version.h: $!\n"
         if -f 'version.h';
      # Later, if we get the reversion script fixed, we can call it again.
       # For now (25. Feb. 2016) we'll leave it unused.
       #my @cmd = ('../scripts/reversion', 'release', $context->{commit});
       my @cmd = ('../scripts/reversion', 'release');
       print "[$cwd] Running: @cmd\n" if $verbose;
       system(@cmd) and croak "reversion failed";
       die "$ME: failed to create version.sh"
         unless -f 'version.sh';
      exit 0;
    }
    else {
      pid == waitpid(pid, 0) \text{ or die "$0: waidpid: $!\n"};
      exit $? >> 8 if $?;
    }
  }
  sub build_documentation {
    my $context = shift;
    my $docdir = catdir $context->{d}{vcs_export}, 'doc', 'doc-docbook';
    # documentation building does a chdir, so we'll do it in a
    # subprocess
    if (not my pid = fork // die "$ME: Can't fork: $!\n") {
       chdir $docdir or die "$ME: Can't chdir to $docdir: $!\n";
```

```
system('./OS-Fixups') == 0 or exit $?;
                    exec $context->{make_cmd},
                              "EXIM_VER=$context->{v}{release}", 'everything'
                             or die "$ME: [$cwd] Cannot exec $context->{make_cmd}: $!\n";
            else {
                     waitpid($pid, 0);
                    exit $? >> 8 if $?;
              $context->copy_docbook_files;
     }
   sub copy_docbook_files {
            my $context = shift;
            # where the generated docbook files can be found
            my $docdir = catdir $context->{d}{vcs_export}, 'doc', 'doc-docbook';
            foreach ('spec.xml', 'filter.xml') {
                     my $from = catfile $docdir, $_;
                     my $to = catdir $context->{d}{tmp}; # {dookbook}
                    copy $from => $to or die $@;
     }
   sub build_html_documentation {
            my $context = shift;
            # where the website docbook source dir is - push the generated
            # files there
                     my $webdir = catdir $context->{website_base}, 'docbook', $context->{v}{target_release};
                     make_path $webdir, { verbose => $verbose || $debug };
                    copy catfile($context->{d}{vcs_export}, 'doc', 'doc-docbook', $_)
                              => $webdir or die $@
                             for 'spec.xml', 'filter.xml';
             }
            my $gen = catfile $context->{website_base},
'script/gen';
            my \quad \text{my } = \text{catdir } \text{context} = \text{catdir } \text{my } 
            make_path $outdir, { verbose => $verbose || $debug };
            my @cmd = (
                     $gen,
                     '--spec' => catfile($context->{d}{tmp}, 'spec.xml'), # {dookbook}
```

```
'--filter' => catfile($context->{d}{tmp}, 'filter.xml'), # {dookbok}
     '--latest' => $context->{v}{target_release},
     '--docroot' => $outdir,
     '--localstatic',
     ($verbose || $debug ? '--verbose' : ()),
  );
  print "[$cwd] Executing @cmd\n";
  0 == system @cmd or exit ?>> 8;
}
sub sign {
  my $context = shift;
  foreach my $tar (glob "$context->{d}{pkg_tars}/*") {
     system gpg =>
     '--quiet', '--batch',
    defined $context->{gpg}{key}
       ? ('--local-user' => scontext-> \{gpg\}\{key\})
       : (),
     '--detach-sig', '--armor', $tar;
 }
}
sub move_to_outdir {
  my $context = shift;
  make_path $context->{OUTDIR}, { verbose => $verbose || $debug };
  move $_ => $context->{OUTDIR} or die $@
     for glob "$context->{d}{pkg_tars}/*";
}
sub build_src_package_directory {
  my $context = shift;
  # build the exim package directory path
  \context->{d}{src} = catdir \context->{d}{pkg\_trees}, "exim-\context->{v}{release}";
  # initially we move the exim-src directory to the new directory name
  move
     catdir( $context->{d}{vcs_export}, 'src')
     => $context->{d}{src}
  or croak "Move of src dir failed - $!";
  # add Local subdirectory
  make_path( catdir( $context->{d}{src}, 'Local' ), { verbose => $verbose || $debug } );
  # now add the text docs
```

```
$context->move_text_docs_into_pkg;
 }
 sub build_doc_packages_directory {
   my $context = shift;
   ##foreach my $format (qw/pdf
postscript texinfo info/) {
   foreach my $format (qw/pdf postscript/) {
      my $target = catdir $context->{d}{pkg_trees}, "exim-$format-$context->{v}{release}", 'doc';
      make_path( $target, { verbose => $verbose || $debug } );
      # move documents across
      foreach my $file (
        glob(
           catfile(
             \text{context->}\{d\}\{\text{vcs\_export}\},
              'doc',
              'doc-docbook'.
                ( $format eq 'postscript' )
                ? '*.ps'
                : ( '*.' . $format )
           )
        )
      )
        move($file, catfile($target, (splitpath($file))[2]));
      }
    }
 }
 sub move_text_docs_into_pkg {
   my $context = shift;
   my $old_docdir = catdir( $context->{d}{vcs_export}, 'doc', 'doc-docbook'
);
   my $old_txtdir = catdir( $context->{d}{vcs_export}, 'doc', 'doc-txt' );
   my $new_docdir = catdir( $context->{d}{src}, 'doc');
   make_path( $new_docdir, { verbose => $verbose || $debug } );
   # move generated documents from docbook stuff
   foreach my $file (qw/exim.8 spec.txt filter.txt/) {
      die "Empty file \"\file\"\n" if -z catfile( \$old_docdir, \$file );
      move( catfile( $old_docdir, $file ), catfile( $new_docdir, $file ) );
    }
```

```
# move text documents across
   foreach my $file ( glob( catfile( $old_txtdir, '*' ) ) ) {
      # skip a few we dont want
      my $fn = (splitpath($file))[2];
      next
      if ( ( $fn eq 'ABOUT' )
        || ($fn eq 'ChangeLog.0')
        ($fn eq 'test-harness.txt')
        # Debian issue re licensing of RFCs
        \parallel ( fn = \sim /^draft-ietf-.*/ )
        || ( fn = ~/^rfc.*/ )
        );
     move( $file, catfile( $new_docdir, $fn ) );
   }
 }
 sub create_tar_files {
   my $context = shift;
   my $pkg_tars = $context->{d}{pkg_tars};
   my $pkg_trees = $context->{d}{pkg_trees};
   my $tar = $context->{tar_cmd};
   if ($verbose) {
      foreach my $c (keys % { $context->{compressors} }) {
        print "Compression: $c\t$context->{compressors}{$c}\n";
      }
   }
   # We ideally do not want local system user information in release tarballs;
   # those are artifacts of use of tar for backups and have no place in
   # software release packaging; if someone extracts as root, then they should
   # get sane file ownerships.
   my @ownership = (
      '--owner' => $context->{tar_perms}{user},
      '--group' => $context->{tar_perms}{group},
      # on this GNU tar, --numeric-owner works during creation too
      '--numeric-owner'
   ) if qx/tar --help
2>&1/=~/^s=-owner=/m;
   # See also environment variables set in main, tuning compression levels
   my (%size, %sha256, %sha512);
   foreach my $dir ( glob( catdir( $pkg_trees, ( 'exim*-' . $context->{v}{release} ) ) ) ) ) {
      my $dirname = ( splitdir($dir) )[-1];
```

```
foreach my $comp (keys % {$context->{compressors}}) {
        my %compressor = %{$context->{compressors}{$comp}};
        next unless $compressor{use};
        my $basename = "$dirname.tar.$compressor{extension}";
        my $outfile = catfile $pkg_tars, $basename;
        print "Creating: $outfile\n" if $verbose || $debug;
        0 == system(\$tar,
          cf => $outfile.
             $compressor{flags},
             @ownership, -C => $pkg_trees, $dirname)
          or exit $? >> 8;
        # calculate size and md5sum
        $size{$basename} = -s $outfile;
$\sha256{\$basename} = Digest::SHA->new(256)->addfile(\$outfile)->hexdigest;
        $\sha512{\shasename} = Digest::SHA->new(512)->addfile(\shoutfile)->hexdigest;
      }
   }
   # write the sizes file
   if ($context->{sizes}) {
      for ([ sizes \Rightarrow 'SIZE' \Rightarrow \% size ],
         [ sha256sums => 'SHA256' => \% sha256 ],
         [ sha512sums => 'SHA512' => \% sha512 ]) {
        my $outfile = catfile $pkg_tars, "00-$_->[0].txt";
        my tag = ->[1];
        my sizes = ->[2];
        open my $out, '>', $outfile
          or die "$ME: Can't open `$outfile': $!\n";
        print $out join "\n",
          (map { "stag ($_) = sizes - {_}" } sort keys % sizes),
           ";
        close($out) or die "$ME: Can't close $outfile: $!\n";
      }
   }
 }
 sub do_cleanup {
   my $context = shift;
   print "Cleaning up\n" if $verbose;
```

```
remove_tree $context->{d}{tmp}, { verbose => $verbose || $debug };
  }
}
# Check, if tar understands --use-compress-program and use this, as
# at least gzip deprecated passing options via the environment.
sub compressor {
 my ($compressor, $fallback) = @_;
 state $use_compress_option =
    0 == system("tar c -f /dev/null -C / --use-compress-program=cat dev/null 2>/dev/null");
 return $use_compress_option
    ? "--use-compress-program=$compressor"
    : ref $fallback eq ref sub {} ? $fallback->(): $fallback;
}
MAIN: {
 # some of these settings are useful only if we're in the
 # exim-projekt-root, but the check, if we're, is deferred
 my $context = Context->new(
    pkgname => 'exim',
    website_base => abs_path('../exim-website'),
    tar cmd => 'tar',
    tar_perms => {
         user \Rightarrow '0',
         group => '0',
    },
    make_cmd => 'make', # for 'make'ing the docs
    sizes
    =>1,
    compressors => {
      gzip => \{ use => 1, extension => 'gz', flags => compressor('gzip -9', sub { $ENV{GZIP} = '-9'; '--gzip' }) \},
      bzip2 => { use => 1, extension => 'bz2', flags => compressor('bzip2 -9', sub { $ENV{BZIP2} = '-9'; '--bzip2'
}) },
      xz = \{ use = 1, extension = > 'xz', flags = > compressor('xz - 9', sub { $ENV{XZ_OPT} = '-9'; '--xz' }) \},
      lzip => { use => 0, extension => 'lz', flags => compressor('lzip -9', '--lzip') },
    },
    docs
              =>1,
    web
              =>1,
    delete
              =>0,
    cleanup
               =>1.
    gpg => \{
      sign
                =>1,
      key
                => undef,
    },
    quick => 0,
 );
```

```
##$ENV{'PATH'} = '/opt/local/bin:' . $ENV{'PATH'};
 GetOptions(
    $context,
    qw(workspace|tmp=s website_base|webgen_base=s tar_cmd|tar-cmd=s make_cmd|make-cmd=s
      docs|build-docs! web|build-web! sizes!
      delete! cleanup!
quick|quick-release! minimal),
    'sign!'
               => \scalebox{gpg} \{ sign \},
    'key=s'
                => \scalebox{gpg}{key},
                 =>\$verbose,
    'verbose!'
    'compressors=s@' => sub {
      die "$0: can't parse compressors string \[ [1] \neq \] unless \[ [1] = \/ [+=-] + (?:[+=-] + ) * $/; 
      while (\[1] = /(?<act>[+=-])?(?<name>\w+)\b/g)  {
         die "$0: Unknown compressor $+{name}"
           unless $context->{compressors}{$+{name}};
         if (not defined $+{act} or $+{act} eq '=') {
           ->\{use\}=0
              for values %{$context->{compressors}};
           $context->{compressors}{$+{name}}{use}++;
         }
         elsif ($+{act} eq '+') { $context->{compressors}{$+{name}}{use}++; }
         elsif ($+{act} eq '-') { $context->{compressors}{$+{name}}{use}--; }
      }
    },
    'debug:s'
                 => \$debug,
    'quick'
                => sub {
\text{scontext-}\{\text{web}\}\--; \text{scontext-}\{\text{quick}\}\ = 1 },
               \Rightarrow sub { pod2usage(-verbose \Rightarrow 1, -exit \Rightarrow 0) },
    'man!'
                => sub { pod2usage(-verbose => 2, -exit => 0, -noperldoc => system('perldoc -V >/dev/null
2>&1')) },
 ) and (@ARGV == 2 or (\text{scontext-} \neq \text{quick}) and (@ARGV >= 1))
    or pod2usage;
 -f '.exim-project-root'
    or die "$ME: please call this script from the root of the Exim project sources\n";
 $context->{OUTDIR} = pop @ARGV;
 if (scontext-> \{gpg\} \{sign\}) {
    $context->{gpg}{key} //= do { chomp($_ = qx/git config user.signingkey/); $_ }
      || $ENV{EXIM_KEY}
         warn "$ME: No GPG key, using default\n";
         undef;
      }
  }
```

```
warn "$ME: changed umask to 022\n" if umask(022) != 022;
 $context->check_version(shift); # may be undef for a quick release
 if ($debug//" eq 'version') {
    for (sort keys % \{ \text{scontext->} \{v\} \} ) \{
      print "version \: \context->\{v\}\{\_\}\n";
    print "git commit: $context->{commit}\n";
    exit 0;
  }
 $context->override_tar_cmd;
 $context->prepare_working_directory;
 $context->export_git_tree;
 $context->unpack_tree;
 $context->make_version_script;
 $context->build_documentation if $context->{docs};
 $context->build_html_documentation if $context->{docs} && $context->{web};
 $context->build_src_package_directory;
 $context->build_doc_packages_directory if $context->{docs};
 $context->create_tar_files;
 $context->sign if $context->{gpg}{sign};
 $context->move_to_outdir;
 $context->do_cleanup if $context->{cleanup};
 ### $context
}
1;
__END__
=head1 NAME
mk_exim_release - Build an exim release
=head1 SYNOPSIS
mk_exim_release [options] version PKG-DIRECTORY
mk_exim_release [options] --quick [version] PKG-DIRECTORY
=head1 DESCRIPTION
```

```
Starting in a populated git repo that has already been
tagged for
release it builds docs, packages etc. Parameter is the version number
to build as - ie 4.72 4.72-RC1, 4.86.1, etc, without any prefix.
This scripts expects to find a tag "exim-<version>".
After creating the release files, they should be signed. There is another
helper for creating the signatures:
F<release-process/scripts/sign_exim_packages>.
Call B<mk_exim_release> about like this:
 release-process/scripts/mk_exim_release 4.99 OUT-DIR
=head1 OPTIONS
=over 4
=item B<--[no]cleanup>
Do (or do not) cleanup the tmp directory at exit (default: do cleanup)
=item B<--compressors> [I<action>]I<compressor[I<action>$<compressor>]...
A list of compressors to use. Currently the default list is
B<gzip>, B<xz>, and B<bzip2>, with B<lzip> optionally to be enabled.
I<action> can be "+" (add), "-" (remove), and "=" (set).
=item B<--debug[=I<item>]>
Forces debug mode. If (default: no debug info)
=over 4
=item item: B<version>
Output the parsed/found version number and exit.
=back
=item
B<--[no]delete>
```

B<mk_exim_release> builds an exim release.

```
Delete a pre-existing tmp- and package-directory at start. (default: don't delete)
=item B<--[no]doc>
Do (not) build the documentation. This needs C<gnu-make> (default: build the docs)
=item B<--[no]help>
Display short help and exit cleanly. (default: don't do that)
=item B<--key> I<GPG key>
Use this GPG key for signing. If nothing is specified the first one of this list
is used:
=over 8
=item - git config user.signingkey
=item - environment C<EXIM_KEY>
=item - default GPG key
=back
=item B<--make-cmd> I<cmd>
Force the use of a specific C<make> command. This may be necessary if C<make> is not
C<gmake>. This is necessary to build the docs. (default: C<make>)
=item B<--[no]man>
Display man page and exit cleanly. (default: don't do that)
=item B<--quick>
Create a quick release. The I<version> mandatory argument needs to be a git commit-ish.
(try I<master> or I<HEAD> or similar). This mode switches off the
website creation (which can be enabled
by B<--web> again).
=item B<--[no]sign>
Sign the created archive files (and the sizes.txt). (default: sign)
=item B<--[no]sizes>
Write the sizes information to F<sizes.txt>. (default: write sizes)
```

```
=item B<--tar-cmd> I<cmd>
Use to override the path to the C<tar> command. Need GNU tar in case
I<lzip> is selected. (default: C<gtar>, if not found, use C<tar>).
=item B<--tmpdir> I<dir>
Change the name of the tmp directory (default: temporary directory)
=item B<--verbose>
Force verbose mode. (default: no verbosity)
=item B<--[no]web>
Control the creation of the website. For creation of the website, the F<../exim-website>
(but see the B<website-base> option) directory must exist. (default: create the website, except when
in B<quick> mode)
=item B<--website-base> I<dir>
Base directory for the web site generation (default: F<../exim-website>)
=item B<-workspace>|B<--tmp> I<directory>
During release gerneration temporary storage is necessary. (default: F<exim-packaging-XXXX>
under
your system's default temporary directory (typically this is F</tmp>)).
=back
=head1 AUTHOR
Nigel Metheringham < Nigel.Metheringham@dev.intechnology.co.uk>,
some changes by Heiko Schlittermann <hs@schlittermann.de>
=head1 COPYRIGHT
Copyright 2010-2016 Exim Maintainers. All rights reserved.
=cut
# vim: set sw=4 et:
Found in path(s):
*/opt/cola/permits/1892616876_1713765866.8546398/0/mk-exim-release-tar/mk_exim_release.txt
```

1.146 util-linux 2.33.1-0.1+deb10u1

1.146.1 Available under license:

```
NR START END SECTORS SIZE NAME UUID
1 32 7679 7648 3.7M 8f8378c0-01
2 7680 16383 8704 4.3M
                            8f8378c0-02
5 7936 12799 4864 2.4M
6 12544 16127 3584 1.8M
Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: util-linux
Upstream-Contact: util-linux@vger.kernel.org
Source: https://www.kernel.org/pub/linux/utils/util-linux/
Files: *
             Michal Luscon <mluscon@redhat.com>
Copyright:
     1986 Gary S. Brown
     1990 Gordon Irlam (gordoni@cs.ua.oz.au)
     1991, 1992 Linus Torvalds
     1991-2004 Miquel van Smoorenburg
     1992 A. V. Le Blanc (LeBlanc@mcc.ac.uk)
     1992-1997 Michael K. Johnson, johnsonm@redhat.com
     1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002,
         2003, 2004, 2005, 2008 Theodore Ts'o <tytso@mit.edu>
     1994 Kevin E. Martin (martin@cs.unc.edu)
     1994 Salvatore Valente <svalente@mit.edu>
     1994,1996 Alessandro Rubini (rubini@ipvvis.unipv.it)
     1994-2005 Jeff Tranter (tranter@pobox.com)
     1995, 1999, 2000 Andries E. Brouwer <aeb@cwi.nl>
     1997-2005 Frodo Looijaard
<frodo@frodo.looijaard.name>
     1998 Danek Duvall <duvall@alumni.princeton.edu>
     1999 Andreas Dilger
     1999-2002 Transmeta Corporation
     1999, 2000, 2002-2009, 2010, 2011, 2012, 2014 Red Hat, Inc.
     2000 Werner Almesberger
     2004-2006 Michael Holzt, kju -at- fqdn.org
     2005 Adrian Bunk
     2007-2020 Karel Zak <kzak@redhat.com>
     2007, 2011, 2012, 2016 SuSE LINUX Products GmbH
     2008 Cai Qian <qcai@redhat.com>
     2008 Hayden A. James (hayden.james@gmail.com)
     2008 James Youngman <jay@gnu.org>
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x ?"U@,5 @mISmIN<GimCN7g1u|E
43mI,5WEV @@ WEV @mImImIAmImImI0mImImI*mImI
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lost+found...
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