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1.2 shadow 4.5-1.1

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1.4 cdebconf 0.249

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves,

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4. You may copy and distribute the Library (or a portion or
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it with the complete corresponding machine-readable source code, which
must be distributed
under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

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

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

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Section 6 states terms for distribution of such executables.

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

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

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

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You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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

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.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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a pointer to where the full notice is found.

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

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get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
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library `Frob' (a library for tweaking knobs) written by James Random Hacker.

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

That's all there is to it!
uganda.txt For Vim version 8.1. Last change: 2018 May 17

VIM REFERENCE MANUAL by Bram Moolenaar

uganda *Uganda* *copying* *copyright* *license*
SUMMARY
iccf *ICCF*
Vim is Charityware. You can use and copy it as much as you like, but you are

encouraged to make a donation for needy children in Uganda. Please see |kcc|
below or visit the ICCF web site, available at these URLs:

 http://iccf-holland.org/
 http://www.vim.org/iccf/
 http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for
features. See |sponsor|. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see
|manual-copyright|.

=== begin of license ===

VIM LICENSE

I) There are no restrictions on distributing unmodified copies of Vim except
   that they must include this license text. You can also distribute
   unmodified parts of Vim, likewise unrestricted except that they must
   include this license text. You
 are also allowed to include executables
   that you made from the unmodified Vim sources, plus your own usage
   examples and Vim scripts.

II) It is allowed to distribute a modified (or extended) version of Vim,
   including executables and/or source code, when the following four
   conditions are met:
   1) This license text must be included unmodified.
   2) The modified Vim must be distributed in one of the following five ways:
      a) If you make changes to Vim yourself, you must clearly describe in
   the distribution how to contact you. When the maintainer asks you
   (in any way) for a copy of the modified Vim you distributed, you
   must make your changes, including source code, available to the
   maintainer without fee. The maintainer reserves the right to
   include your changes in the official version of Vim. What the
   maintainer will do with your changes and under what license they
   will be distributed is negotiable. If there has been no negotiation

 then this license, or a later version, also applies to your changes.
   The current maintainer is Bram Moolenaar <Bram@vim.org>. If this
   changes it will be announced in appropriate places (most likely
   vim.sf.net, www.vim.org and/or comp.editors). When it is completely
   impossible to contact the maintainer, the obligation to send him
   your changes ceases. Once the maintainer has confirmed that he has
   received your changes they will not have to be sent again.
      b) If you have received a modified Vim that was distributed as
   mentioned under a) you are allowed to further distribute it

unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.

c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.

d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:

- The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.

e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.

3) A message must be added, at least in the output of the ":version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.

4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

III) If you distribute a modified version of Vim, you are encouraged to use the Vim license for your changes and make them available to the maintainer, including the source code. The preferred way to do this is by e-mail or by uploading the files to a server and e-mailing the URL.

If the number of changes is small (e.g., a modified Makefile) e-mailing a context diff will do. The e-mail address to be used is <maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this

license for previous Vim releases instead of the license that they came
with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this
file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a
|sponsor|. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible.
A few minor changes have been made since he checked it, but that should not
make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits
further
distribution to the GNU GPL. Also when you didn't actually change
anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all
further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and
contact information with the "--with-modified-by" configure argument or the
MODIFIED_BY define.

==
Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the
south of Uganda, near Tanzania, in East Africa. The area is known as Rakai
District. The population is mostly farmers. Although people are poor, there
is enough food. But this district is suffering from AIDS more than any other
part of the world. Some say that it started there. Estimations are that 10
to 30% of the Ugandans are infected with HIV. Because parents
die, there are
many orphans. In this district about 60,000 children have lost one or both
parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy
with food, medical care and education. Food and medical care to keep them
healthy now, and education so that they can take care of themselves in the
future. KCC works on a Christian base, but help is given to children of any
religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a

child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o.
box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If
you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse.

This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:noet:ft=help:norl:
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Voice phone: (33) 93.65.77.71, Fax: (33) 93 65 77 66, Telex: 97 00 50 F
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```
" Vim syntax file
" Language: Software Distributor product specification file
"  (POSIX 1387.2-1995).
" Maintainer: Rex Barzee <rex_barzee@hp.com>
" Last change: 25 Apr 2001

" quit when a syntax file was already loaded
if exists("b:current_syntax")
 finish
endif

" Product specification files are case sensitive
syn case match

syn keyword psfObject bundle category control_file depot distribution
syn keyword psfObject end file fileset host installed_software media
syn keyword psfObject product root subproduct vendor

syn match  psfUnquotString +[^"#  ][^#]*+ contained
syn region psfQuotString   start=+"+ skip=+\\"+ end=+"+ contained
```

```
syn match  psfObjTag    "\<[-_+A-Z0-9a-z]\+\(\.[-_+A-Z0-9a-z]\+\)*" contained
syn match  psfAttAbbrev ",\<\(fa\|fr\|[aclqrv]\)\(<\|>\|<=\|>=\|=\|==\)[^,]\+" contained
syn match  psfObjTags   "\<[-_+A-Z0-9a-z]\+\(\.[-_+A-Z0-9a-z]\+\)*\(\s\+\<[-_+A-Z0-9a-z]\+\(\.[-_+A-Z0-9a-z]\+\)*\)*" contained

syn match  psfNumber    "\<\d\+\>" contained
syn match  psfFloat
    "\<\d\+\>\(\.\<\d\+\>\)*" contained

syn match  psfLongDate  "\<\d\d\d\d\d\d\d\d\d\d\d\d\.\d\d\>" contained

syn keyword psfState    available configured corrupt installed transient contained
syn keyword psfPState   applied committed superseded contained

syn keyword psfBoolean  false true contained


"Some of the attributes covered by attUnquotString and attQuotString:
" architecture category_tag control_directory copyright
" create_date description directory file_permissions install_source
" install_type location machine_type mod_date number os_name os_release
" os_version pose_as_os_name pose_as_os_release readme revision
" share_link title vendor_tag
syn region psfAttUnquotString matchgroup=psfAttrib start=~^\s*[^#  ]\+\s\+[^#"  ]~rs=e-1
contains=psfUnquotString,psfComment end=~$~ keepend oneline

syn region psfAttQuotString matchgroup=psfAttrib start=~^\s*[^#  ]\+\s\+"~rs=e-1
contains=psfQuotString,psfComment skip=~\\"~ matchgroup=psfQuotString end=~"~ keepend


" These regions
 are defined in attempt to do syntax checking for some
" of the attributes.
syn region psfAttTag matchgroup=psfAttrib start="^\s*tag\s\+" contains=psfObjTag,psfComment end="$" keepend
oneline

syn region psfAttSpec matchgroup=psfAttrib
start="^\s*\(ancestor\|applied_patches\|applied_to\|contents\|corequisites\|exrequisites\|prerequisites\|software_spec\|
supersedes\|superseded_by\)\s\+" contains=psfObjTag,psfAttAbbrev,psfComment end="$" keepend

syn region psfAttTags matchgroup=psfAttrib start="^\s*all_filesets\s\+" contains=psfObjTags,psfComment end="$"
keepend

syn region psfAttNumber matchgroup=psfAttrib
start="^\s*\(compressed_size\|instance_id\|media_sequence_number\|sequence_number\|size\)\s\+"
contains=psfNumber,psfComment end="$" keepend oneline

syn region psfAttTime matchgroup=psfAttrib start="^\s*\(create_time\|ctime\|mod_time\|mtime\|timestamp\)\s\+"
```

```
contains=psfNumber,psfComment end="$" keepend oneline

syn region psfAttFloat matchgroup=psfAttrib start="^\s*\(data_model_revision\|layout_version\)\s\+"
 contains=psfFloat,psfComment end="$" keepend oneline

syn region psfAttLongDate matchgroup=psfAttrib start="^\s*install_date\s\+" contains=psfLongDate,psfComment
end="$" keepend oneline

syn region psfAttState matchgroup=psfAttrib start="^\s*\(state\)\s\+" contains=psfState,psfComment end="$"
keepend oneline

syn region psfAttPState matchgroup=psfAttrib start="^\s*\(patch_state\)\s\+" contains=psfPState,psfComment
end="$" keepend oneline

syn region psfAttBoolean matchgroup=psfAttrib
start="^\s*\(is_kernel\|is_locatable\|is_patch\|is_protected\|is_reboot\|is_reference\|is_secure\|is_sparse\)\s\+"
contains=psfBoolean,psfComment end="$" keepend oneline

syn match  psfComment "#.*$"


" Define the default highlighting.
" Only when an item doesn't have highlighting yet

hi def link psfObject       Statement
hi def link psfAttrib       Type
hi def link psfQuotString   String
hi def link psfObjTag       Identifier
hi def link psfAttAbbrev    PreProc
hi def link
 psfObjTags      Identifier

hi def link psfComment      Comment


" Long descriptions and copyrights confuse the syntax highlighting, so
" force vim to backup at least 100 lines before the top visible line
" looking for a sync location.
syn sync lines=100

let b:current_syntax = "psf"
```

1.6 net-tools 1.60+git20180626.aebd88e-1

1.6.1 Available under license :

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1.9 pcre 10.32-5

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1.10 openssh 7.9p1-10+deb10u1

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```
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 *
 * Optimised ANSI C code for the Rijndael cipher (now AES)
 *
 * @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
 * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef _COMPAT_POLL_H_
#define _COMPAT_POLL_H_

typedef struct pollfd {
 int fd;
 short events;
 short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008

```
#define POLLHUP  0x0010
#define POLLNVAL 0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI  0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM      POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM  (-1) /* not
 standard */

int   poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */
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*
*/

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
```

```
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w)  ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int,
 int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */
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#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif
```

1.11 lm-sensors 3.5.0-3

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* Frodo Looijaard
Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
Original author of sensord.
* Bob Schlaermann
Dynamic chip feature detection (a.k.a. generic chip support) in
libsensors and sensors.
* Mark M. Hoffman
Many improvements to the libsensors configuration file scanner.
* Jean Delvare
New libsensors API, and migration of sensors and sensord thereto.
Many optimizations in libsensors and sensors.
Configuration file converter.
Rewrite of sensors-detect.
Support for multiple configuration files in libsensors.

1.12 libsemanage-common 2.8-2

1.12.1 Available under license :

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1.13 cpp 8.3.0 6

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

```
#!/usr/bin/python
#
# Copyright (C) 2013-2018 Free Software Foundation, Inc.
#
# This script is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3, or (at your option)
# any later version.

# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3.  This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices.  Pass --quilt if you are using quilt and
# want files to be added to the quilt before
 being changed.
#
# By default the script will update all directories for which the
# output has been vetted.  You can instead pass the names of individual
# directories, including those that haven't been approved.  So:
#
```

```
#    update-copyright.py --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years).  On the other hand:
#
#    update-copyright.py --this-year libitm
#
# would run the script on just libitm/.
#
# Note that things like --version output strings must be updated before
# this script is run.  There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
  def __init__ (self):
      self.num_errors = 0

  def report (self, filename, string):
      if filename:
          string = filename + ': ' + string
      sys.stderr.write (string + '\n')
      self.num_errors
 += 1

  def ok (self):
      return self.num_errors == 0

class GenericFilter:
  def __init__ (self):
      self.skip_files = set()
      self.skip_dirs = set()
      self.skip_extensions = set()
      self.fossilised_files = set()
      self.own_files = set()

      self.skip_files |= set ([
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
```

```
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'depcomp',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'ltoptions.m4',
            'ltsugar.m4',
            'ltversion.m4',
             'lt~obsolete.m4',
            'missing',
            'mkdep',
            'mkinstalldirs',
            'move-if-change',
            'shlibpath.m4',
            'symlink-tree',
            'ylwrap',

            # Skip FSF mission statement, etc.
            'gnu.texi',
            'funding.texi',
            'appendix_free.xml',

            # Skip imported texinfo files.
            'texinfo.tex',
            ])


def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')

    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True

    (base, extension) = os.path.splitext (os.path.join (dir, filename))
```

```
        if extension in self.skip_extensions:
            return True

        if extension == '.in':
             # Skip .in files produced by automake.
            if os.path.exists (base + '.am'):
                return True

            # Skip files produced by autogen
            if (os.path.exists (base + '.def')
                and os.path.exists (base + '.tpl')):
                return True

        # Skip configure files produced by autoconf
        if filename == 'configure':
            if os.path.exists (base + '.ac'):
                return True
            if os.path.exists (base + '.in'):
                return True

        return False

    def skip_dir (self, dir, subdir):
        return subdir in self.skip_dirs

    def is_fossilised_file (self, dir, filename):
        if filename in self.fossilised_files:
            return True
        # Only touch current current ChangeLogs.
        if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
            return True
        return False

    def by_package_author (self, dir, filename):
        return filename
   in self.own_files

  class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years.  Include '.' for typos.
        ranges = '[0-9](?:[-0-9.,\s]|\s+and\s+)*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '[\w.,-]'

        # Matches one year.
```

```
    self.year_re = re.compile ('[0-9]+')

    # Matches part of a year or copyright holder.
    self.continuation_re = re.compile (ranges + '|' + name)

    # Matches a full copyright notice:
    self.copyright_re = re.compile (
       # 1: 'Copyright (C)', etc.
       '([Cc]opyright'
       '|[Cc]opyright\s+\([Cc]\)'
       '|[Cc]opyright\s+%s'
       '|[Cc]opyright\s+&copy;'
       '|[Cc]opyright\s+@copyright{}'
       '|copyright = u\"'
       '|@set\s+copyright[\w-]+)'

       # 2: the years.  Include the whitespace in the year, so that
       # we can remove any excess.

      '(\s*(?:' + ranges + ',?'
       '|@value\{[^{}]*\})\s*)'

       # 3: 'by ', if used
       '(by\s+)?'

       # 4: the copyright holder.  Don't allow multiple consecutive
       # spaces, so that right-margin gloss doesn't get caught
       # (e.g. gnat_ugn.texi).
       '(' + name + '(?:\s?' + name + ')*)?')

    # A regexp for notices that might have slipped by.  Just matching
    # 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
    # HTML header markers, so check for 'copyright' and two digits.
    self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',
                                          re.IGNORECASE)
    self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')
    self.holders = { '@copying': '@copying' }
    self.holder_prefixes = set()

    # True to 'quilt add' files before changing them.
    self.use_quilt = False

    # If set, force all notices to include
this year.
    self.max_year = None

    # Goes after the year(s).  Could be ', '.
    self.separator = ' '
```

```
  def add_package_author (self, holder, canon_form = None):
     if not canon_form:
        canon_form = holder
     self.holders[holder] = canon_form
     index = holder.find (' ')
     while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

  def add_external_author (self, holder):
     self.holders[holder] = None

  class BadYear():
     def __init__ (self, year):
        self.year = year

     def __str__ (self):
        return 'unrecognised year: ' + self.year

  def parse_year (self, string):
     year = int (string)
     if len (string) == 2:
        if year > 70:
           return year + 1900
     elif len (string) == 4:
        return year
     raise self.BadYear (string)

  def year_range (self, years):
     year_list = [self.parse_year
(year)
                  for year in self.year_re.findall (years)]
     assert len (year_list) > 0
     return (min (year_list), max (year_list))

  def set_use_quilt (self, use_quilt):
     self.use_quilt = use_quilt

  def include_year (self, year):
     assert not self.max_year
     self.max_year = year

  def canonicalise_years (self, dir, filename, filter, years):
     # Leave texinfo variables alone.
     if years.startswith ('@value'):
        return years
```

```
      (min_year, max_year) = self.year_range (years)

      # Update the upper bound, if enabled.
      if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)

      # Use a range.
      if min_year == max_year:
        return '%d' % min_year
      else:
        return '%d-%d' % (min_year, max_year)

  def strip_continuation (self, line):
      line = line.lstrip()
      match = self.comment_re.match
(line)
      if match:
        line = line[match.end():].lstrip()
      return line

  def is_complete (self, match):
      holder = match.group (4)
      return (holder
              and (holder not in self.holder_prefixes
                   or holder in self.holders))

  def update_copyright (self, dir, filename, filter, file, line, match):
      orig_line = line
      next_line = None
      pathname = os.path.join (dir, filename)

      intro = match.group (1)
      if intro.startswith ('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end (2):].strip()
        if after_years != '':
          self.errors.report (pathname,
                              'trailing characters in @set: '
                              + after_years)
          return (False, orig_line, next_line)
      else:
        # If it looks like the copyright is incomplete, add
the next line.
        while not self.is_complete (match):
          try:
            next_line = file.next()
          except StopIteration:
            break
```

```
            # If the next line doesn't look like a proper continuation,
            # assume that what we've got is complete.
            continuation = self.strip_continuation (next_line)
            if not self.continuation_re.match (continuation):
               break

            # Merge the lines for matching purposes.
            orig_line += next_line
            line = line.rstrip() + ' ' + continuation
            next_line = None

            # Rematch with the longer line, at the original position.
            match = self.copyright_re.match (line, match.start())
            assert match

         holder = match.group (4)

         # Use the filter to test cases where markup is getting in the way.
         if filter.by_package_author
(dir, filename):
            assert holder not in self.holders

         elif not holder:
            self.errors.report (pathname, 'missing copyright holder')
            return (False, orig_line, next_line)

         elif holder not in self.holders:
            self.errors.report (pathname,
                                'unrecognised copyright holder: ' + holder)
            return (False, orig_line, next_line)

         else:
            # See whether the copyright is associated with the package
            # author.
            canon_form = self.holders[holder]
            if not canon_form:
               return (False, orig_line, next_line)

            # Make sure the author is given in a consistent way.
            line = (line[:match.start (4)]
                  + canon_form
                  + line[match.end (4):])

            # Remove any 'by'
            line = line[:match.start (3)]
+ line[match.end (3):]
```

```
    # Update the copyright years.
    years = match.group (2).strip()
    try:
      canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
      self.errors.report (pathname, str (e))
      return (False, orig_line, next_line)

    line = (line[:match.start (2)]
          + ('' if intro.startswith ('copyright = ') else ' ')
          + canon_form + self.separator
          + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
      intro += ' (C)'
    elif intro.endswith ('(c)'):
      intro = intro[:-3] + '(C)'
    line = line[:match.start (1)] + intro + line[match.end (1):]

    # Strip trailing whitespace
    line = line.rstrip() + '\n'

    return (line != orig_line, line, next_line)

  def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
     if filename.endswith ('.tmp'):
      # Looks like something we tried to create before.
      try:
        os.remove (pathname)
      except OSError:
        pass
      return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    mode = None
    with open (pathname, 'r') as file:
      prev = None
      mode = os.fstat (file.fileno()).st_mode
      for line in file:
        while line:
          next_line = None
          # Leave filtered-out lines alone.
          if not (line_filter and line_filter.match (line)):
            match = self.copyright_re.search (line)
```

```
                if match:
                    res = self.update_copyright (dir, filename, filter,
                                                 file, line, match)
                    (this_changed, line, next_line)
= res
                    changed = changed or this_changed

                # Check for copyright lines that might have slipped by.
                elif self.other_copyright_re.search (line):
                    self.errors.report (pathname,
                                        'unrecognised copyright: %s'
                                        % line.strip())
                lines.append (line)
                line = next_line

        # If something changed, write the new file out.
        if changed and self.errors.ok():
            tmp_pathname = pathname + '.tmp'
            with open (tmp_pathname, 'w') as file:
                for line in lines:
                    file.write (line)
                os.fchmod (file.fileno(), mode)
            if self.use_quilt:
                subprocess.call (['quilt', 'add', pathname])
            os.rename (tmp_pathname, pathname)

    def process_tree (self, tree, filter):
        for
(dir, subdirs, filenames) in os.walk (tree):
            # Don't recurse through directories that should be skipped.
            for i in xrange (len (subdirs) - 1, -1, -1):
                if filter.skip_dir (dir, subdirs[i]):
                    del subdirs[i]

            # Handle the files in this directory.
            for filename in filenames:
                if filter.skip_file (dir, filename):
                    sys.stdout.write ('Skipping %s\n'
                                      % os.path.join (dir, filename))
                else:
                    self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
```

```
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option
('--quilt', '"quilt add" files before changing them',
                    self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
                    self.o_this_year)

    def add_option (self, name, help, handler):
        self.option_help.append ((name, help))
        self.option_handlers[name] = handler

    def add_dir (self, dir, filter = GenericFilter()):
        self.dirs.append ((dir, filter))

    def o_help (self, option = None):
        sys.stdout.write ('Usage: %s [options] dir1 dir2...\n\n'
                     'Options:\n' % sys.argv[0])
        format = '%-15s %s\n'
        for (what, help) in self.option_help:
            sys.stdout.write (format % (what, help))
        sys.stdout.write ('\nDirectories:\n')

        format = '%-25s'
        i = 0
        for (dir, filter) in self.dirs:
            i += 1
            if i % 3 == 0 or i == len (self.dirs):
                sys.stdout.write (dir + '\n')

else:
                sys.stdout.write (format % dir)
        sys.exit (0)

    def o_quilt (self, option):
        self.copyright.set_use_quilt (True)

    def o_this_year (self, option):
        self.copyright.include_year (time.localtime().tm_year)

    def main (self):
        for arg in sys.argv[1:]:
            if arg[:1] != '-':
                self.chosen_dirs.append (arg)
            elif arg in self.option_handlers:
```

```
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join (chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:

     if (dir + os.sep).startswith (canon_dir):
                        count += 1
                        self.copyright.process_tree (dir, filter)
                if count == 0:
                    self.errors.report (None, 'unrecognised directory: '
                                + chosen_dir)
    sys.exit (0 if self.errors.ok() else 1)

#--------------------------------------------------------------------------

class TopLevelFilter (GenericFilter):
  def skip_dir (self, dir, subdir):
    return True

class ConfigFilter (GenericFilter):
  def __init__ (self):
    GenericFilter.__init__ (self)

  def skip_file (self, dir, filename):
    if filename.endswith ('.m4'):
      pathname = os.path.join (dir, filename)
      with open (pathname) as file:
        # Skip files imported from gettext.
        if file.readline().find ('gettext-') >= 0:
          return True
    return GenericFilter.skip_file
 (self, dir, filename)

class GCCFilter (GenericFilter):
  def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_files |= set ([
        # Not part of GCC
```

```
            'math-68881.h',
            ])

        self.skip_dirs |= set ([
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
            ])

        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
            ])

        self.fossilised_files |= set ([
            # Old news won't be updated.
            'ONEWS',
            ])

class TestsuiteFilter (GenericFilter):
  def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_extensions |= set ([
        # Don't change the tests, which could be
 woend by anyone.
        '.c',
        '.C',
        '.cc',
        '.h',
        '.hs',
        '.f',
        '.f90',
        '.go',
        '.inc',
        '.java',
        ])

  def skip_file (self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
      return True
```

```
    # Similarly params/README.
    if filename == 'README' and os.path.basename (dir) == 'params':
      return True
    if filename == 'pdt_5.f03' and os.path.basename (dir) == 'gfortran.dg':
   return True
    return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
  def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_extensions |= set ([
        # Maintained by the translation project.

       '.po',

        # Automatically-generated.
        '.pot',
        ])

class LibGCCFilter (GenericFilter):
  def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_dirs |= set ([
        # Imported from GLIBC.
        'soft-fp',
        ])

class LibStdCxxFilter (GenericFilter):
  def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_files |= set ([
        # Contains no copyright of its own, but quotes the GPL.
        'intro.xml',
        ])

    self.skip_dirs |= set ([
        # Contains automatically-generated sources.
        'html',

        # The testsuite data files shouldn't be changed.
        'data',

        # Contains imported images
        'images',
        ])
```

```
      self.own_files |= set ([
            # Contains markup around the copyright owner.
            'spine.xml',
             ])

  def get_line_filter (self, dir, filename):
      if filename == 'boost_concept_check.h':
         return re.compile ('// \(C\) Copyright Jeremy Siek')
      return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
  def __init__ (self, errors):
      Copyright.__init__ (self, errors)

      canon_fsf = 'Free Software Foundation, Inc.'
      self.add_package_author ('Free Software Foundation', canon_fsf)
      self.add_package_author ('Free Software Foundation.', canon_fsf)
      self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
      self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
      self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
      self.add_package_author ('The Free Software Foundation', canon_fsf)
      self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
      self.add_package_author ('Software Foundation,
 Inc.', canon_fsf)

      self.add_external_author ('ARM')
      self.add_external_author ('AdaCore')
      self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
      self.add_external_author ('Cavium Networks.')
      self.add_external_author ('Faraday Technology Corp.')
      self.add_external_author ('Florida State University')
      self.add_external_author ('Greg Colvin and Beman Dawes.')
      self.add_external_author ('Hewlett-Packard Company')
      self.add_external_author ('Intel Corporation')
      self.add_external_author ('Information Technology Industry Council.')
      self.add_external_author ('James Theiler, Brian Gough')
      self.add_external_author ('Makoto Matsumoto and Takuji Nishimura,')
      self.add_external_author ('National Research Council of Canada.')
      self.add_external_author ('NVIDIA Corporation')
      self.add_external_author ('Peter Dimov and Multi Media Ltd.')
      self.add_external_author ('Peter
 Dimov')
      self.add_external_author ('Pipeline Associates, Inc.')
      self.add_external_author ('Regents of the University of California.')
      self.add_external_author ('Silicon Graphics Computer Systems, Inc.')
      self.add_external_author ('Silicon Graphics')
      self.add_external_author ('Stephen L. Moshier')
```

```
      self.add_external_author ('Sun Microsystems, Inc. All rights reserved.')
      self.add_external_author ('The Go Authors.  All rights reserved.')
      self.add_external_author ('The Go Authors. All rights reserved.')
      self.add_external_author ('The Go Authors.')
      self.add_external_author ('The Regents of the University of California.')
      self.add_external_author ('Unicode, Inc.')
      self.add_external_author ('University of Toronto.')

class GCCCmdLine (CmdLine):
  def __init__ (self):
      CmdLine.__init__ (self, GCCCopyright)

      self.add_dir ('.', TopLevelFilter())
      # boehm-gc is imported from
 upstream.
      self.add_dir ('config', ConfigFilter())
      # contrib isn't really part of GCC.
      self.add_dir ('fixincludes')
      self.add_dir ('gcc', GCCFilter())
      self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
      self.add_dir ('gnattools')
      self.add_dir ('gotools')
      self.add_dir ('include')
      # intl is imported from upstream.
      self.add_dir ('libada')
      self.add_dir ('libatomic')
      self.add_dir ('libbacktrace')
      self.add_dir ('libcc1')
      self.add_dir ('libcpp', LibCppFilter())
      self.add_dir ('libdecnumber')
      # libffi is imported from upstream.
      self.add_dir ('libgcc', LibGCCFilter())
      self.add_dir ('libgfortran')
      # libgo is imported from upstream.
      self.add_dir ('libgomp')
      self.add_dir ('libhsail-rt')
      self.add_dir ('libiberty')
      self.add_dir ('libitm')
      self.add_dir ('libobjc')
      # liboffloadmic is imported
 from upstream.
      self.add_dir ('libquadmath')
      # libsanitizer is imported from upstream.
      self.add_dir ('libssp')
      self.add_dir ('libstdc++-v3', LibStdCxxFilter())
      self.add_dir ('libvtv')
      self.add_dir ('lto-plugin')
      # maintainer-scripts maintainer-scripts
```

```
    # zlib is imported from upstream.

    self.default_dirs = [
       'gcc',
       'include',
       'libada',
       'libatomic',
       'libbacktrace',
       'libcc1',
       'libcpp',
       'libdecnumber',
       'libgcc',
       'libgfortran',
       'libgomp',
       'libhsail-rt',
       'libiberty',
       'libitm',
       'libobjc',
       'libssp',
       'libstdc++-v3',
       'libvtv',
       'lto-plugin',
       ]

GCCCmdLine().main()
```

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Version 2.1, February 1999

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.ds C+ C\v'-.1v'\h'-1p'\s-2+\h'-1p'+\s0\v'.1v'\h'-1p'
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.    ds PI pi
.    if (\n(.H=4u)&(1m=24u) .ds -- \(*W\h'-12u'\(*W\h'-12u'-\" diablo 10 pitch
.    if (\n(.H=4u)&(1m=20u) .ds -- \(*W\h'-12u'\(*W\h'-8u'-\"  diablo 12
 pitch
.    ds L" ""
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.    ds -- \|\(em\|
.    ds PI \(*p
.    ds L" ``
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.    ds C`
.    ds C'
'br\}
.\"
.\" Escape single quotes in literal strings from groff's Unicode transform.
.ie \n(.g .ds Aq \(aq
.el       .ds Aq '
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```

```
.de IX
..
.nr rF 0
.if \n(.g .if rF .nr rF 1
.if (\n(rF:(\n(.g==0)) \{\
.    if \nF \{\
.        de IX
.        tm Index:\\$1\t\\n%\t"\\$2"
..
.        if !\nF==2 \{\
.            nr % 0
.            nr F 2
.        \}
.    \}
.\}
.rr rF
.\"
.\" Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).
.\" Fear.  Run.  Save yourself.  No user-serviceable parts.
.
    \" fudge factors for nroff and troff
.if n \{\
.    ds #H 0
.    ds #V .8m
.    ds #F .3m
.    ds #[ \f1
.    ds #] \fP
.\}
.if t \{\
.    ds #H ((1u-(\\\\n(.fu%2u))*.13m)
.    ds #V .6m
.    ds #F 0
.    ds #[ \&
.    ds #] \&
.\}
.    \" simple accents for nroff and troff
.if n \{\
.    ds ' \&
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.ds th \*(#[\v'.3m'\s+1I\s-1\v'-.3m'\h'-(\w'I'u*2/3)'\s-1o\s+1\*(#]
.ds Th \*(#[\s+2I\s-2\h'-\w'I'u*3/5'\v'-.3m'o\v'.3m'\*(#]
.ds ae a\h'-(\w'a'u*4/10)'e
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.    \" corrections for vroff
.if v .ds ~ \\k:\h'-(\\n(.wu*9/10-\*(#H)'\s-2\u~\d\s+2\h'|\\n:u'
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.    \" for low resolution devices (crt and lpr)
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.rm #[ #] #H #V #F C
.\" ========================================================================
.\"
.IX Title "GPL 7"
.TH GPL 7 "2019-02-22" "gcc-8.3.0" "GNU"
.\" For nroff, turn off justification.  Always turn off hyphenation; it makes
.\" way too many mistakes in technical documents.
.if n .ad l
.nh
.SH "NAME"
gpl \- GNU General Public License
.SH
 "DESCRIPTION"
.IX Header "DESCRIPTION"
.SS "\s-1GNU\s0 General Public License"
.IX Subsection "GNU General Public License"
.SS "Version 3, 29 June 2007"
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.IX Subsection "Version 3, 29 June 2007"
.Vb 1
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.Ve
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For the developers' and authors' protection, the \s-1GPL\s0 clearly explains
that there is no warranty for this free software. For both users' and

authors' sake, the \s-1GPL\s0 requires that modified versions be marked as
changed, so that their problems will not be attributed erroneously to
authors of previous versions.
.PP
Some devices are designed to deny users access to install or run
modified versions of the software inside them, although the
manufacturer can do so. This is fundamentally incompatible with the
aim of protecting users' freedom to change the software. The
systematic pattern of such abuse occurs in the area of products for
individuals to use, which
 is precisely where it is most unacceptable.
Therefore, we have designed this version of the \s-1GPL\s0 to prohibit the
practice for those products. If such problems arise substantially in
other domains, we stand ready to extend this provision to those
domains in future versions of the \s-1GPL,\s0 as needed to protect the
freedom of users.
.PP
Finally, every program is threatened constantly by software patents.
States should not allow patents to restrict development and use of
software on general-purpose computers, but in those that do, we wish
to avoid the special danger that patents applied to a free program
could make it effectively proprietary. To prevent this, the \s-1GPL\s0
assures that patents cannot be used to render the program non-free.
.PP
The precise terms and conditions for copying, distribution and
modification follow.
.SS "\s-1TERMS AND CONDITIONS\s0"
.IX Subsection "TERMS AND CONDITIONS"
.IP "0. Definitions." 4
.IX Item "0. Definitions."
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.Sp
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.Sp
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\&*(L"recipients*(R" may be individuals or organizations.
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in a fashion requiring copyright permission, other than the making of
an exact copy. The resulting work is called a *(L"modified version*(R" of
the earlier work or a work *(L"based on*(R" the earlier work.
.Sp
A *(L"covered work*(R" means either the unmodified Program or a work based
on the Program.
.Sp

To *(L"propagate*(R" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer
or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.
.Sp
To *(L"convey*(R" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.
.Sp
An interactive user interface displays *(L"Appropriate Legal Notices*(R" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.
.IP "1. Source Code." 4
.IX Item "1. Source
Code."
The *(L"source code*(R" for a work means the preferred form of the work for making modifications to it. *(L"Object code*(R" means any non-source form of a work.
.Sp
A *(L"Standard Interface*(R" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.
.Sp
The *(L"System Libraries*(R" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A \&*(L"Major Component*(R", in this context, means a major essential component (kernel, window system, and so on) of the specific operating
system
(if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.
.Sp
The *(L"Corresponding Source*(R" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to

control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically
linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those
subprograms and other parts of the work.
.Sp
The Corresponding Source need not include
 anything that users can
regenerate automatically from other parts of the Corresponding Source.
.Sp
The Corresponding Source for a work in source code form is that same
work.
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 for running those works, provided that you comply with the
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makes it unnecessary.
.IP "3. Protecting Users' Legal Rights From Anti-Circumvention Law." 4
.IX Item "3. Protecting Users' Legal Rights From Anti-Circumvention Law."
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similar laws prohibiting or restricting circumvention of such
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operation or modification of the work as a means of enforcing, against
the work's users, your or third parties' legal rights to forbid
circumvention of technological measures.
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.IX Item "4. Conveying Verbatim Copies."
You may convey verbatim copies of the Program's source code as you
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non-permissive terms added in accord with section 7 apply to the code;
keep intact all notices of the absence of any warranty; and give all
recipients a copy of this License along with the Program.
.Sp
You may charge any price or
no price for each copy that you convey,
and you may offer support or warranty protection for a fee.
.IP "5. Conveying Modified Source Versions." 4
.IX Item "5. Conveying Modified Source Versions."
You may convey a work based on the Program, or the modifications to
produce it from the Program, in the form of source code under the
terms of section 4, provided that you also meet all of these
conditions:
.RS 4
.IP "a." 4
.IX Item "a."
The work must carry prominent notices stating that you modified it,
and giving a relevant date.
.IP "b." 4
.IX Item "b."
The work must carry prominent notices stating that it is released
under this License and any conditions added under section 7. This
requirement modifies the requirement in section 4 to *(L"keep intact all
notices*(R".
.IP "c." 4
.IX Item "c."
You must license the entire work, as a whole, under this License to
anyone who comes into possession of a copy. This License will
therefore apply, along with any applicable section 7 additional terms,
to
the whole of the work, and all its parts, regardless of how they
are packaged. This License gives no permission to license the work in
any other way, but it does not invalidate such permission if you have

separately received it.
.IP "d." 4
.IX Item "d."
If the work has interactive user interfaces, each must display
Appropriate Legal Notices; however, if the Program has interactive
interfaces that do not display Appropriate Legal Notices, your work
need not make them do so.
.RE
.RS 4
.Sp
A compilation of a covered work with other separate and independent
works, which are not by their nature extensions of the covered work,
and which are not combined with it such as to form a larger program,
in or on a volume of a storage or distribution medium, is called an
\&*(L"aggregate*(R" if the compilation and its resulting copyright are not
used to limit the access or legal rights of the compilation's users
beyond what the individual works permit. Inclusion of a covered work
in an aggregate
 does not cause this License to apply to the other
parts of the aggregate.
.RE
.IP "6. Conveying Non-Source Forms." 4
.IX Item "6. Conveying Non-Source Forms."
You may convey a covered work in object code form under the terms of
sections 4 and 5, provided that you also convey the machine-readable
Corresponding Source under the terms of this License, in one of these
ways:
.RS 4
.IP "a." 4
.IX Item "a."
Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by the
Corresponding Source fixed on a durable physical medium customarily
used for software interchange.
.IP "b." 4
.IX Item "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.
.IP "c." 4

.IX Item "c."
Convey individual copies of the object code with a copy of the written
offer to provide the Corresponding Source. This alternative is
allowed only occasionally and noncommercially, and only if you
received the object code with such an offer, in accord with subsection
6b.
.IP "d." 4
.IX Item "d."
Convey the object code by offering access from a designated place
(gratis or for a charge), and offer equivalent access to the
Corresponding Source in the same way through the same place at no
further charge. You need not require recipients to copy the
Corresponding Source along with the object code. If the place to copy
the object code is a network
 server, the Corresponding Source may be
on a different server (operated by you or a third party) that supports
equivalent copying facilities, provided you maintain clear directions
next to the object code saying where to find the Corresponding Source.
Regardless of what server hosts the Corresponding Source, you remain
obligated to ensure that it is available for as long as needed to
satisfy these requirements.
.IP "e." 4
.IX Item "e."
Convey the object code using peer-to-peer transmission, provided you
inform other peers where the object code and Corresponding Source of
the work are being offered to the general public at no charge under
subsection 6d.
.RE
.RS 4
.Sp
A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be
included in conveying the object code work.
.Sp
A *(L"User Product*(R" is either (1) a *(L"consumer product*(R", which means any
tangible personal property which is normally used for
 personal,
family, or household purposes, or (2) anything designed or sold for
incorporation into a dwelling. In determining whether a product is a
consumer product, doubtful cases shall be resolved in favor of
coverage. For a particular product received by a particular user,
\&*(L"normally used*(R" refers to a typical or common use of that class of
product, regardless of the status of the particular user or of the way
in which the particular user actually uses, or expects or is expected
to use, the product. A product is a consumer product regardless of
whether the product has substantial commercial, industrial or
non-consumer uses, unless such uses represent the only significant
mode of use of the product.

.Sp
\&*(L"Installation Information*(R" for a User Product means any methods,
procedures, authorization keys, or other information required to
install and execute modified versions of a covered work in that User
Product from a modified version of its Corresponding Source. The
information
must suffice to ensure that the continued functioning of
the modified object code is in no case prevented or interfered with
solely because modification has been made.
.Sp
If you convey an object code work under this section in, or with, or
specifically for use in, a User Product, and the conveying occurs as
part of a transaction in which the right of possession and use of the
User Product is transferred to the recipient in perpetuity or for a
fixed term (regardless of how the transaction is characterized), the
Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in \s-1ROM\s0).
.Sp
The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or
updates for a work that has
been modified or installed by the
recipient, or for the User Product in which it has been modified or
installed. Access to a network may be denied when the modification
itself materially and adversely affects the operation of the network
or violates the rules and protocols for communication across the
network.
.Sp
Corresponding Source conveyed, and Installation Information provided,
in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in
source code form), and must require no special password or key for
unpacking, reading or copying.
.RE
.IP "7. Additional Terms." 4
.IX Item "7. Additional Terms."
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.RS 4
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.IX Item "8. Termination."
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<http://www.gnu.org/licenses/>. */

/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler
 labels. If we aren't using
  underscores, we are using prefix `.'s to identify labels that should

```
  be ignored, as in `i386/gas.h' --karl@cs.umb.edu  */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size.  */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t"  /* Should not be used for 32bit compilation.  */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
  #define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */


/* Define the syntax of labels and symbol definitions/declarations.  */

/* This is how to output an assembler line
  that says to advance the location counter by SIZE bytes.  */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  \
 fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations.  */

/* This says how to output an assembler line
  to define a global common symbol.  */

#define
 ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".comm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
  to define a local common symbol.  */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  \
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif
```

```
/* This is how to output an assembler line
  that says to advance the location counter
  to a multiple of 2**LOG bytes.  */

#define ASM_OUTPUT_ALIGN(FILE,LOG) \
 if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
  the symbol_ref name of an internal numbered label
 where
  PREFIX is the class of label and NUM is the number within the class.
  This is suitable for output with `assemble_name'.  */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) \
   sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols.  */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols.  */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations.  */
#define DBX_CONTIN_LENGTH 0
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
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@c man end
@end ignore
@node Copying
@c man begin DESCRIPTION
@unnumbered GNU General Public License
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```

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a list of user commands or options, such as a menu, a prominent item in the
list meets this criterion.
</para>
<bridgehead xml:id="SourceCode" renderas="sect1">
1. Source Code.
</bridgehead>
<para>
The source code for a work means the preferred form of the
work for making modifications
to it. Object code means any
non-source form of a work.
</para>
<para>
A Standard Interface means an interface that either is an
official standard defined by a recognized standards body, or, in the case of
interfaces specified for a particular programming language, one that is
widely used among developers working in that language.
</para>
<para>
The System Libraries of an executable work include anything,
other than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major Component,
and (b) serves only to enable use of the work with that Major Component, or
to implement a Standard Interface for which an implementation is available
to the public in source code form. A Major Component, in this
context, means a major essential component (kernel, window system, and so
on) of the specific operating system (if any) on which the executable work
runs, or a
compiler used to produce the work, or an object code interpreter
used to run it.
</para>
<para>
The Corresponding Source for a work in object code form means
all the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the works
System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but which
are not part of the work. For example, Corresponding Source includes
interface definition files associated with source files for the work, and
the source code for shared libraries and dynamically linked subprograms that
the work is specifically designed to require, such as by intimate data
communication or control flow between those subprograms and other parts of
the work.

</para>
<para>
The Corresponding Source need
not include anything that users can regenerate
automatically from other parts of the Corresponding Source.
</para>
<para>
The Corresponding Source for a work in source code form is that same work.
</para>
<bridgehead xml:id="BasicPermissions" renderas="sect1">
2. Basic Permissions.
</bridgehead>
<para>
All rights granted under this License are granted for the term of copyright
on the Program, and are irrevocable provided the stated conditions are met.
This License explicitly affirms your unlimited permission to run the
unmodified Program. The output from running a covered work is covered by
this License only if the output, given its content, constitutes a covered
work. This License acknowledges your rights of fair use or other
equivalent, as provided by copyright law.
</para>
<para>
You may make, run and propagate covered works that you do not convey,
without conditions so long as your license otherwise remains in force.
You
may convey covered works to others for the sole purpose of having them make
modifications exclusively for you, or provide you with facilities for
running those works, provided that you comply with the terms of this License
in conveying all material for which you do not control copyright. Those
thus making or running the covered works for you must do so exclusively on
your behalf, under your direction and control, on terms that prohibit them
from making any copies of your copyrighted material outside their
relationship with you.
</para>
<para>
Conveying under any other circumstances is permitted solely under the
conditions stated below. Sublicensing is not allowed; section 10 makes it
unnecessary.
</para>
<bridgehead xml:id="Protecting" renderas="sect1">
3. Protecting Users Legal Rights From Anti-Circumvention Law.
</bridgehead>
<para>
No covered work shall be deemed part of an effective technological measure
under
any applicable law fulfilling obligations under article 11 of the WIPO
copyright treaty adopted on 20 December 1996, or similar laws prohibiting or
restricting circumvention of such measures.

</para>
<para>
When you convey a covered work, you waive any legal power to forbid
circumvention of technological measures to the extent such circumvention is
effected by exercising rights under this License with respect to the covered
work, and you disclaim any intention to limit operation or modification of
the work as a means of enforcing, against the works users, your or
third parties legal rights to forbid circumvention of technological
measures.
</para>
<bridgehead xml:id="ConveyingVerbatim" renderas="sect1">
4. Conveying Verbatim Copies.
</bridgehead>
<para>
You may convey verbatim copies of the Programs source code as you
receive it, in any medium, provided that you conspicuously and appropriately
publish on each copy an appropriate
copyright notice; keep intact all
notices stating that this License and any non-permissive terms added in
accord with section 7 apply to the code; keep intact all notices of the
absence of any warranty; and give all recipients a copy of this License
along with the Program.
</para>
<para>
You may charge any price or no price for each copy that you convey, and you
may offer support or warranty protection for a fee.
</para>
<bridgehead xml:id="ConveyingModified" renderas="sect1">
5. Conveying Modified Source Versions.
</bridgehead>
<para>
You may convey a work based on the Program, or the modifications to produce
it from the Program, in the form of source code under the terms of section
4, provided that you also meet all of these conditions:
</para>
<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">
<listitem>
<para>
The work must carry prominent notices stating that you modified
it, and
giving a relevant date.
</para>
</listitem>
<listitem>
<para>
The work must carry prominent notices stating that it is released under
this License and any conditions added under section 7. This requirement
modifies the requirement in section 4 to keep intact all

notices.
</para>
</listitem>
<listitem>
<para>
You must license the entire work, as a whole, under this License to
anyone who comes into possession of a copy. This License will therefore
apply, along with any applicable section 7 additional terms, to the
whole of the work, and all its parts, regardless of how they are
packaged. This License gives no permission to license the work in any
other way, but it does not invalidate such permission if you have
separately received it.
</para>
</listitem>
<listitem>
<para>
If the work has interactive user interfaces,
each must display
Appropriate Legal Notices; however, if the Program has interactive
interfaces that do not display Appropriate Legal Notices, your work need
not make them do so.
</para>
</listitem>
</orderedlist>
<para>
A compilation of a covered work with other separate and independent works,
which are not by their nature extensions of the covered work, and which are
not combined with it such as to form a larger program, in or on a volume of
a storage or distribution medium, is called an aggregate if
the compilation and its resulting copyright are not used to limit the access
or legal rights of the compilations users beyond what the individual works
permit. Inclusion of a covered work in an aggregate does not cause
this License to apply to the other parts of the aggregate.
</para>
<bridgehead xml:id="ConveyingNonSource" renderas="sect1">
6. Conveying Non-Source Forms.
</bridgehead>
<para>
You
may convey a covered work in object code form under the terms of
sections 4 and 5, provided that you also convey the machine-readable
Corresponding Source under the terms of this License, in one of these ways:
</para>
<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">
<listitem>
<para>
Convey the object code in, or embodied in, a physical product (including
a physical distribution medium), accompanied by the Corresponding Source

fixed on a durable physical medium customarily used for software interchange.
</para>
</listitem>
<listitem>
<para>
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.
</para>
</listitem>
<listitem>
<para>
Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.
</para>
</listitem>
<listitem>
<para>
Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source
in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.
</para>
</listitem>
<listitem>
<para>
Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the

work are being offered to the general public at no charge under
subsection
6d.
</para>
</listitem>
</orderedlist>
<para>
A separable portion of the object code, whose source code is excluded from
the Corresponding Source as a System Library, need not be included in
conveying the object code work.
</para>
<para>
A User Product is either (1) a consumer product,
which means any tangible personal property which is normally used for
personal, family, or household purposes, or (2) anything designed or sold
for incorporation into a dwelling. In determining whether a product is a
consumer product, doubtful cases shall be resolved in favor of coverage.
For a particular product received by a particular user, normally
used refers to a typical or common use of that class of product,
regardless of the status of the particular user or of the way in which the
particular user actually uses, or expects or is expected to use, the
product. A product is a consumer product regardless of whether the product
has substantial commercial, industrial or non-consumer uses, unless such
uses represent the only significant mode of use of the product.
</para>
<para>
Installation Information for a User Product means any methods,
procedures, authorization keys, or other information required to install and
execute modified versions of a covered work in that User Product from a
modified version of its Corresponding Source. The information must suffice
to ensure that the continued functioning of the modified object code is in
no case prevented or interfered with solely because modification has been
made.
</para>
<para>
If you convey an object code work under this section in, or with, or
specifically for use in, a User Product, and the conveying occurs as part of
a transaction in which the right of possession and use of the User Product
is transferred to the recipient in perpetuity or for a fixed term
(regardless of how the transaction is characterized),
the Corresponding
Source conveyed under this section must be accompanied by the Installation
Information. But this requirement does not apply if neither you nor any
third party retains the ability to install modified object code on the User
Product (for example, the work has been installed in
<acronym>ROM</acronym>).
</para>
<para>

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.
</para>
<para>
Corresponding Source conveyed, and Installation Information provided, in accord with this section
must be in a format that is publicly documented
(and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.
</para>
<bridgehead xml:id="AdditionalTerms" renderas="sect1">
7. Additional Terms.
</bridgehead>
<para>
Additional permissions are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.
</para>
<para>
When you convey a copy of a covered work, you may at your option
remove any
additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.
</para>
<para>
Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:
</para>
<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">
<listitem>
<para>
Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

</para>
</listitem>
<listitem>
<para>
Requiring preservation of specified reasonable legal notices or
author
attributions in that material or in the Appropriate Legal Notices
displayed by works containing it; or
</para>
</listitem>
<listitem>
<para>
Prohibiting misrepresentation of the origin of that material, or
requiring that modified versions of such material be marked in
reasonable ways as different from the original version; or
</para>
</listitem>
<listitem>
<para>
Limiting the use for publicity purposes of names of licensors or
authors of the material; or
</para>
</listitem>
<listitem>
<para>
Declining to grant rights under trademark law for use of some trade
names, trademarks, or service marks; or
</para>
</listitem>
<listitem>
<para>
Requiring indemnification of licensors and authors of that material by
anyone who conveys the material (or modified versions of it) with
contractual
assumptions of liability to the recipient, for any
liability that these contractual assumptions directly impose on those
licensors and authors.
</para>
</listitem>
</orderedlist>
<para>
All other non-permissive additional terms are considered further
restrictions within the meaning of section 10. If the Program as
you received it, or any part of it, contains a notice stating that it is
governed by this License along with a term that is a further restriction,
you may remove that term. If a license document contains a further
restriction but permits relicensing or conveying under this License, you
may add to a covered work material governed by the terms of that license

document, provided that the further restriction does not survive such
relicensing or conveying.
</para>
<para>
If you add terms to a covered work in accord with this section, you must
place, in the relevant source files,
a statement of the additional terms
that apply to those files, or a notice indicating where to find the
applicable terms.
</para>
<para>
Additional terms, permissive or non-permissive, may be stated in the form
of a separately written license, or stated as exceptions; the above
requirements apply either way.
</para>
<bridgehead xml:id="gpl-3-termination" renderas="sect1">
8. Termination.
</bridgehead>
<para>
You may not propagate or modify a covered work except as expressly provided
under this License. Any attempt otherwise to propagate or modify it is
void, and will automatically terminate your rights under this License
(including any patent licenses granted under the third paragraph of section
11).
</para>
<para>
However, if you cease all violation of this License, then your license from
a particular copyright holder is reinstated (a) provisionally, unless and
until the copyright holder explicitly
and finally terminates your license,
and (b) permanently, if the copyright holder fails to notify you of the
violation by some reasonable means prior to 60 days after the cessation.
</para>
<para>
Moreover, your license from a particular copyright holder is reinstated
permanently if the copyright holder notifies you of the violation by some
reasonable means, this is the first time you have received notice of
violation of this License (for any work) from that copyright holder, and
you cure the violation prior to 30 days after your receipt of the notice.
</para>
<para>
Termination of your rights under this section does not terminate the
licenses of parties who have received copies or rights from you under this
License. If your rights have been terminated and not permanently
reinstated, you do not qualify to receive new licenses for the same
material under section 10.
</para>
<bridgehead xml:id="AcceptanceNotRequired"

renderas="sect1">
9. Acceptance Not Required for Having Copies.
</bridgehead>
<para>
You are not required to accept this License in order to receive or run a
copy of the Program. Ancillary propagation of a covered work occurring
solely as a consequence of using peer-to-peer transmission to receive a
copy likewise does not require acceptance. However, nothing other than
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These actions infringe copyright if you do not accept this License.
Therefore, by modifying or propagating a covered work, you indicate your
acceptance of this License to do so.
</para>
<bridgehead xml:id="AutomaticDownstream" renderas="sect1">
10. Automatic Licensing of Downstream Recipients.
</bridgehead>
<para>
Each time you convey a covered work, the recipient automatically receives a
license from the original licensors, to run, modify and propagate
that
work, subject to this License. You are not responsible for enforcing
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</para>
<para>
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receives a copy of the work also receives whatever licenses to the work the
partys predecessor in interest had or could give under the previous
paragraph, plus a right to possession of the Corresponding Source of the
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it with reasonable efforts.
</para>
<para>
You may not impose any further restrictions on the exercise of the rights
granted or affirmed under this License. For example, you may not impose a
license fee, royalty,
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this License, and you may not initiate litigation (including a cross-claim
or counterclaim in a lawsuit) alleging that any patent claim is infringed
by making, using, selling, offering for sale, or importing the Program or
any portion of it.
</para>
<bridgehead xml:id="Patents" renderas="sect1">
11. Patents.
</bridgehead>
<para>

A contributor is a copyright holder who authorizes use under
this License of the Program or a work on which the Program is based. The
work thus licensed is called the contributors contributor
version.
</para>
<para>
A contributors essential patent claims are all patent
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hereafter acquired, that would be infringed by some manner, permitted by
this License, of making, using, or selling its contributor version, but do
not include claims that would be infringed
only as a consequence of further
modification of the contributor version. For purposes of this definition,
control includes the right to grant patent sublicenses in a
manner consistent with the requirements of this License.
</para>
<para>
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</para>
<para>
In the following three paragraphs, a patent license is any
express agreement or commitment, however denominated, not to enforce a
patent (such as an express permission to practice a patent or covenant not
to sue for patent infringement). To grant such a patent
license to a party means to make such an agreement or commitment not to
enforce a patent against the party.
</para>
<para>
If you convey a covered work, knowingly
relying on a patent license, and the
Corresponding Source of the work is not available for anyone to copy, free
of charge and under the terms of this License, through a publicly available
network server or other readily accessible means, then you must either (1)
cause the Corresponding Source to be so available, or (2) arrange to deprive
yourself of the benefit of the patent license for this particular work, or
(3) arrange, in a manner consistent with the requirements of this License,
to extend the patent license to downstream recipients. Knowingly
relying means you have actual knowledge that, but for the patent
license, your conveying the covered work in a country, or your
recipients use of the covered work in a country, would infringe one
or more identifiable patents in that country that you have reason to believe
are valid.
</para>
<para>
If, pursuant to or in connection with a single transaction or arrangement,

you convey,
or propagate by procuring conveyance of, a covered work, and
grant a patent license to some of the parties receiving the covered work
authorizing them to use, propagate, modify or convey a specific copy of the
covered work, then the patent license you grant is automatically extended to
all recipients of the covered work and works based on it.
</para>
<para>
A patent license is discriminatory if it does not include
within the scope of its coverage, prohibits the exercise of, or is
conditioned on the non-exercise of one or more of the rights that are
specifically granted under this License. You may not convey a covered work
if you are a party to an arrangement with a third party that is in the
business of distributing software, under which you make payment to the third
party based on the extent of your activity of conveying the work, and under
which the third party grants, to any of the parties who would receive the
covered
work from you, a discriminatory patent license (a) in connection
with copies of the covered work conveyed by you (or copies made from those
copies), or (b) primarily for and in connection with specific products or
compilations that contain the covered work, unless you entered into that
arrangement, or that patent license was granted, prior to 28 March 2007.
</para>
<para>
Nothing in this License shall be construed as excluding or limiting any
implied license or other defenses to infringement that may otherwise be
available to you under applicable patent law.
</para>
<bridgehead xml:id="NoSurrender" renderas="sect1">
12. No Surrender of Others Freedom.
</bridgehead>
<para>
If conditions are imposed on you (whether by court order, agreement or
otherwise) that contradict the conditions of this License, they do not
excuse you from the conditions of this License. If you cannot convey a
covered work so as to satisfy simultaneously
your obligations under this
License and any other pertinent obligations, then as a consequence you may
not convey it at all. For example, if you agree to terms that obligate you
to collect a royalty for further conveying from those to whom you convey the
Program, the only way you could satisfy both those terms and this License
would be to refrain entirely from conveying the Program.
</para>
<bridgehead xml:id="UsedWithAGPL" renderas="sect1">
13. Use with the <acronym>GNU</acronym> Affero General Public License.
</bridgehead>
<para>
Notwithstanding any other provision of this License, you have permission to

link or combine any covered work with a work licensed under version 3 of the
<acronym>GNU</acronym> Affero General Public License into a single combined
work, and to convey the resulting work. The terms of this License will
continue to apply to the part which is the covered work, but the special
requirements of the <acronym>GNU</acronym>
Affero General Public License,
section 13, concerning interaction through a network will apply to the
combination as such.
</para>
<bridgehead xml:id="RevisedVersions" renderas="sect1">
14. Revised Versions of this License.
</bridgehead>
<para>
The Free Software Foundation may publish revised and/or new versions of the
<acronym>GNU</acronym> General Public License from time to time. Such new
versions will be similar in spirit to the present version, but may differ in
detail to address new problems or concerns.
</para>
<para>
Each version is given a distinguishing version number. If the Program
specifies that a certain numbered version of the <acronym>GNU</acronym>
General Public License or any later version applies to it, you
have the option of following the terms and conditions either of that
numbered version or of any later version published by the Free Software
Foundation. If the Program does not specify
a version number of the
<acronym>GNU</acronym> General Public License, you may choose any version
ever published by the Free Software Foundation.
</para>
<para>
If the Program specifies that a proxy can decide which future versions of
the <acronym>GNU</acronym> General Public License can be used, that
proxys public statement of acceptance of a version permanently
authorizes you to choose that version for the Program.
</para>
<para>
Later license versions may give you additional or different permissions.
However, no additional obligations are imposed on any author or copyright
holder as a result of your choosing to follow a later version.
</para>
<bridgehead xml:id="WarrantyDisclaimer" renderas="sect1">
15. Disclaimer of Warranty.
</bridgehead>
<para>
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LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR
OTHER PARTIES PROVIDE

THE PROGRAM AS IS WITHOUT WARRANTY OF
ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE
IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH
YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL
NECESSARY SERVICING, REPAIR OR CORRECTION.
</para>
<bridgehead xml:id="LiabilityLimitation" renderas="sect1">
16. Limitation of Liability.
</bridgehead>
<para>
IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL
ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE
PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY
GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE
OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA
OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD
PARTIES
OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS),
EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF
SUCH DAMAGES.
</para>
<bridgehead xml:id="InterpretationSecs1516" renderas="sect1">
17. Interpretation of Sections 15 and 16.
</bridgehead>
<para>
If the disclaimer of warranty and limitation of liability provided above
cannot be given local legal effect according to their terms, reviewing
courts shall apply local law that most closely approximates an absolute
waiver of all civil liability in connection with the Program, unless a
warranty or assumption of liability accompanies a copy of the Program in
return for a fee.
</para>
<bridgehead>
END OF TERMS AND CONDITIONS
</bridgehead>
<bridgehead xml:id="HowToApply" renderas="sect1">
How to Apply These Terms to Your New Programs
</bridgehead>
<para>
If you develop a new program, and you want it to be of the greatest possible
use to
the public, the best way to achieve this is to make it free software
which everyone can redistribute and change under these terms.
</para>
<para>
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.
</para>
<screen>
<replaceable>one line to give the programs name and a brief idea of what it does.</replaceable>
Copyright (C) <replaceable>year</replaceable> <replaceable>name of author</replaceable>

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

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

You should have received a copy of the <acronym>GNU</acronym> General Public License
along with this program. If not, see <link xmlns:xlink="http://www.w3.org/1999/xlink"
xlink:href="http://www.gnu.org/licenses/">http://www.gnu.org/licenses/</link>.
</screen>
<para>
Also add information on how to contact you by electronic and paper mail.
</para>
<para>
If the program does terminal interaction, make it output a short notice like
this when it starts in an interactive mode:
</para>
<screen>
<replaceable>program</replaceable> Copyright (C) <replaceable>year</replaceable> <replaceable>name of
author</replaceable>
This program comes with ABSOLUTELY NO WARRANTY; for details type <literal>show w</literal>.
This is free software, and you are welcome to redistribute it
under certain conditions; type <literal>show
c</literal> for details.
</screen>
<para>
The hypothetical commands <literal>show w</literal> and
<literal>show c</literal> should show the appropriate parts of
the General Public License. Of course, your programs commands might be
different; for a GUI interface, you would use an about box.
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1.14 berkeley-db 5.3.28+dfsg1 0.5

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1.19 elfutils 0.176 1.1

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^L
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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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#+STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.34 expat 2.2.6 2+deb10u1

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1.35 libpng 1.6.36 6

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Thu, 27 Jan 2005 15:23:52 -0500.

The current Debian maintainer are maximilian attems <maks@debian.org>
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The current ubuntu release can be found at:
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The Debian tree is maintained with "git" at:
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square

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1.48 inotify-tools 3.14-7

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1.50 node-toidentifier 1.0.0-2

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1.55 base-passwd 3.5.46

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Name: base-passwd
Maintainer: Colin Watson <cjwatson@debian.org>

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1.56 debianutils 4.8.6.1

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1.57 e2fsprogs 1.44.5 1+deb10u3

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==========
--- 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)
*/
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- trivial database library - private includes
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    Theodore Ts'o
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relink to produce a modified
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That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

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

http://sourceforge.net/projects/e2fsprogs

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

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

all:: image

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

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

image:  $(BSD_LIB)

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

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

```
 $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

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

clean::
 $(RM)
 -rf pic
 $(RM) -f $(BSD_LIB)
 $(RM) -f ../$(BSD_LIB)
```
This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

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

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

This package was put together by Yann Dirson <dirson@debian.org>,
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1.58 findutils 4.6.0+git+20190209 2

1.58.1 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.

Upstream Authors:
* GNU find was written by Eric Decker <cire@cisco.com>,
with enhancements by David MacKenzie <djm@gnu.org>,
Jay Plett <jay@silence.princeton.nj.us>,
and Tim Wood <axolotl!tim@toad.com>.
The idea for -print0 and xargs -0 came from
Dan Bernstein <brnstnd@kramden.acf.nyu.edu>.
Improvements have been made by James Youngman <jay@gnu.org>.

* 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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Current upstream maintainer is James Youngman <jay@gnu.org>.

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1.60 hostname 3.21

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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.

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.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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 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.

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.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally
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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.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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Files: libblkid/*
libblkid/src/*
libblkid/samples/*

libblkid/src/partitions/*
libblkid/src/superblocks/*
libblkid/src/topology/*
Copyright: 1999, 2001 Andries Brouwer
1995, 1995, 1996, 1997, 1999, 2000, 2001, 2002, 2003, 2004
Theodore Ts'o.
2001 Andreas Dilger (adilger@turbolinux.com)
2004-2008 Kay Sievers <kay.sievers@vrfy.org>
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lib/randutils.c
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Files: misc-utils/blkid.c
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1.71 libffi 3.2.1 9

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1.72 icu 63.1 6+deb10u1

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## Commands to generate dependency files
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE= -Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation
 rules
%.$(STATIC_O): $(srcdir)/%.c
```

```
 $(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
 $(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
 $(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
 $(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<


## Dependency rules
%.d: $(srcdir)/%.c
 @echo "generating dependency information for $<"
 @$(SHELL) -ec '$(GEN_DEPS.c) $< \
  | sed '\"s/\($*\)\.o[ :]*/\1.o $@ : /g'\" > $@; \
  [ -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp
 @echo "generating dependency information for $<"
 @$(SHELL) -ec '$(GEN_DEPS.cc) $< \
  | sed '\"s/\($*\)\.o[ :]*/\1.o $@ : /g'\" > $@; \
  [ -s $@ ] || rm -f $@'

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
 $(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
 $(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@

##  Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

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That's all there is to it!
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obtained from http://userspace.selinuxproject.org/releases/current/devel/

This package was debianized by Russell Coker <russell@coker.com.au> on
Fri, 20 Aug 2004 17:26:18 +1000.

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Manoj Srivastava
<srivasta@debian.org>
arch-tag: d4250e44-a0e0-4ee0-adb9-2bd74f6eeb27

1.75 libnfnetlink 1.0.1 3+b1

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This package was debianized by Max Kellermann <max@duempel.org> on
Wed Sep 20 22:57:38 CEST 2006

It was downloaded from http://www.netfilter.org/downloads.html

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1.76 libcap-ng 0.7.9 2

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iconv (Charset Conversion Library) v2.0

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

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Version 3.1, 31 March 2009

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DRuntime: Runtime Library for the D Programming Language
==========

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Version 2, June 1991

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Upstream-Contact: Phillip Vandry <vandry@TZoNE.ORG>
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Then the package has been maintained by Charles Briscoe-Smith
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Elphick, Julian Gilbey, Daniel Martin and Jaldhar H. Vyas for providing
much useful data on the various religous calendars. I have edited the
files they provided to fit calendar's requirements, so any errors should
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After cpbs@debian.org, Marco d'Itri <md@linux.it> maintained
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1.82 perl 5.28.1-6+deb10u1

1.83 less 487 0.1+b1

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src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
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1.93 netbase 5.6

1.93.1 Available under license :

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1.94 libjpeg-turbo 1.5.2-2+deb10u1

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1.95 tcpdump 4.9.3 1~deb10u2

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1.96 p11-kit 0.23.15-2+deb10u1

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1.97 libseccomp 2.3.3-4

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1.104 libmnl 1.0.4-2

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1.105 popt 1.16-12

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1.106 zlib 1.2.3

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1.107 jbig-kit 2.1-3.1+b2

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1.108 argon2 0~20171227-0.2

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1.109 libxpm 3.5.12-1

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1.110 procps 3.3.15-2

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1.111 mpdecimal 2.4.2-2

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1.113 libxdmcp 1.1.2-3

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1.114 libgd 2.2.5-5.2

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1.115 libxau 1.0.8-1+b2

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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,
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^L
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.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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 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.

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.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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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must be distributed
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medium customarily used for software interchange.

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

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1.124 v8 6.8.275.32

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1.125 json-c 0.99.8-2

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1.126 tcp-wrappers 7.6.q-28

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1.127 linux-kernel 5.4.91-1

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1.131 net-snmp 5.7.3+dfsg-5+deb10u2

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1.136 node-debug 3.1.0-2

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1.143 node-qs 6.5.2-1

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1.144 node-statuses 1.5.0-3

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1.145 libpam-mount 2.16-9

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1.146 node-send 0.16.2-1

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1.147 node-inherits 2.0.3-1

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1.148 node-unpipe 1.0.0-1

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1.149 node-vary 1.1.2-1

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1.150 node-cookie-signature 1.1.0-1

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cookie-signature

Sign and unsign cookies.

Example

```js
var cookie = require('cookie-signature');

var val = cookie.sign('hello', 'tobiiscool');
val.should.equal('hello.DGDUkGlIkCzPz+C0B064FNgHdEjox7ch8tOBGslZ5QI');

var val = cookie.sign('hello', 'tobiiscool');
cookie.unsign(val, 'tobiiscool').should.equal('hello');
```

cookie.unsign(val, 'luna').should.be.false;
```

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Found in path(s):
* /opt/cola/permits/1135897199_1613627337.43/0/node-cookie-signature-1-1-0-orig-1-tar-gz/node-cookie-signature-1.1.0/Readme.md

# 1.151 node-bytes 3.0.0-1

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1.152 node-finalhandler 1.1.1-1

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1.153 node-body-parser 1.18.3-2

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1.154 node-ipaddr.js 0.1.3-1

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1.155 node-websocket 1.0.28-3

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1.156 firmware-free 3.4

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Driver: keyspan_pda -- USB Keyspan PDA single-port serial device

File: keyspan_pda/keyspan_pda.fw
Source: keyspan_pda/keyspan_pda.S

File: keyspan_pda/xircom_pgs.fw
Source: keyspan_pda/xircom_pgs.S

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Compiled from original 8051 source into Intel HEX, used in our binary ihex form.

Driver: dsp56k - Atari DSP56k support

File: dsp56k/bootstrap.bin
Source: dsp56k/bootstrap.asm

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DSP56001 assembler, possibly buildable with a56 from
http://www.zdomain.com/a56.html

Driver: pcnet_cs - NE2000 compatible PCMCIA adapter

File: cis/LA-PCM.cis
File: cis/PCMLM28.cis
File: cis/DP83903.cis
File:
cis/NE2K.cis
File: cis/tamarack.cis
File: cis/PE-200.cis
File: cis/PE520.cis

Source: cis/src/LA-PCM.cis
Source: cis/src/PCMLM28.cis
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Source: cis/src/PE-200.cis
Source: cis/src/PE520.cis

Licence: Dual GPLv2/MPL

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Driver: 3c589_cs - 3Com PCMCIA adapter

File: cis/3CXEM556.cis
Source: cis/src/3CXEM556.cis

Licence: Dual GPLv2/MPL

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Driver: 3c574_cs - 3Com PCMCIA adapter

File: cis/3CCFEM556.cis
Source: cis/src/3CCFEM556.cis

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Driver:
serial_cs - Serial PCMCIA adapter

File: cis/MT5634ZLX.cis
File: cis/RS-COM-2P.cis
File: cis/COMpad2.cis
File: cis/COMpad4.cis
Source: cis/src/MT5634ZLX.cis
Source: cis/src/RS-COM-2P.cis

Source: cis/src/COMpad2.cis
Source: cis/src/COMpad4.cis

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Driver: serial_cs - Serial PCMCIA adapter

File: cis/SW_555_SER.cis
File: cis/SW_7xx_SER.cis
File: cis/SW_8xx_SER.cis

Licence: GPLv3

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These binary files are understood to be the preferred form for
modification. They follow the PCMCIA Card Information Structure (CIS)
format. The pcmcia-cs project <http://pcmcia-cs.sourceforge.net/>
distributes tools for converting between CIS and an unofficial text
format.

Driver:
 dvb-ttpci -- AV7110 cards

File: av7110/bootcode.bin
Source: av7110/Boot.S

Licence: GPLv2 or later

Driver: usbdux/usbduxfast/usbduxsigma - usbdux data acquisition cards

File: usbdux_firmware.bin
File: usbduxfast_firmware.bin
File: usbduxsigma_firmware.bin
Source: usbdux/fx2-include.asm
Source: usbdux/usbduxfast_firmware.asm
Source: usbdux/usbdux_firmware.asm
Source: usbdux/usbduxsigma_firmware.asm

Licence: GPLv2. See source code in usbdux/ subdirectory.

Provided from the author, Bernd Porr <BerndPorr@f2s.com>

Driver: isci -- Intel C600 SAS controller driver

File: isci/isci_firmware.bin
Source: isci/create_fw.c
Source: isci/create_fw.h
Source: isci/probe_roms.h
Source: isci/Makefile

Licence: GPLv2

Driver: carl9170 -- Atheros AR9170 802.11
draft-n USB driver

File: carl9170-1.fw
Version: 1.9.6
Source: carl9170fw/

Downloaded from http://linuxwireless.org/en/users/Drivers/carl9170

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Atheros carl9170 firmware - used by the ar9170 wireless device

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51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

Driver: keyspan_pda -- USB Keyspan PDA single-port serial device

File: keyspan_pda/keyspan_pda.fw
Source: keyspan_pda/keyspan_pda.S

File: keyspan_pda/xircom_pgs.fw
Source: keyspan_pda/xircom_pgs.S

Licence: GPLv2+

Compiled from original 8051 source into Intel HEX, used in our binary ihex form.

Driver: dsp56k - Atari DSP56k support

File: dsp56k/bootstrap.bin
Source: dsp56k/bootstrap.asm

Licence: GPLv2 or later

Copyright Frederik Noring

DSP56001 assembler, possibly buildable with a56 from
http://www.zdomain.com/a56.html

Driver: pcnet_cs - NE2000 compatible PCMCIA adapter

File: cis/LA-PCM.cis
File: cis/PCMLM28.cis
File: cis/DP83903.cis
File: cis/NE2K.cis
File: cis/tamarack.cis
File: cis/PE-200.cis
File: cis/PE520.cis
Source: cis/src/LA-PCM.cis
Source: cis/src/PCMLM28.cis
Source:

cis/src/DP83903.cis
Source: cis/src/NE2K.cis
Source: cis/src/tamarack.cis
Source: cis/src/PE-200.cis
Source: cis/src/PE520.cis

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Driver: 3c589_cs - 3Com PCMCIA adapter

File: cis/3CXEM556.cis
Source: cis/src/3CXEM556.cis

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Driver: 3c574_cs - 3Com PCMCIA adapter

File: cis/3CCFEM556.cis
Source: cis/src/3CCFEM556.cis

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Driver: serial_cs - Serial PCMCIA adapter

File: cis/MT5634ZLX.cis
File: cis/RS-COM-2P.cis
File:
cis/COMpad2.cis
File: cis/COMpad4.cis
Source: cis/src/MT5634ZLX.cis
Source: cis/src/RS-COM-2P.cis
Source: cis/src/COMpad2.cis
Source: cis/src/COMpad4.cis

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Driver: serial_cs - Serial PCMCIA adapter

File: cis/SW_555_SER.cis
File: cis/SW_7xx_SER.cis
File: cis/SW_8xx_SER.cis

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distributes tools for converting between CIS and an unofficial text
format.

Driver: dvb-ttpci -- AV7110 cards

File: av7110/bootcode.bin
Source: av7110/Boot.S

Licence: GPLv2 or later

Driver:
 usbdux/usbduxfast/usbduxsigma - usbdux data acquisition cards

File: usbdux_firmware.bin
File: usbduxfast_firmware.bin
File: usbduxsigma_firmware.bin
Source: usbdux/fx2-include.asm
Source: usbdux/usbduxfast_firmware.asm
Source: usbdux/usbdux_firmware.asm
Source: usbdux/usbduxsigma_firmware.asm

Licence: GPLv2. See source code in usbdux/ subdirectory.

Provided from the author, Bernd Porr <BerndPorr@f2s.com>

Driver: isci -- Intel C600 SAS controller driver

File: isci/isci_firmware.bin
Source: isci/create_fw.c
Source: isci/create_fw.h
Source: isci/probe_roms.h
Source: isci/Makefile

Licence: GPLv2

Driver: carl9170 -- Atheros AR9170 802.11 draft-n USB driver

File: carl9170-1.fw
Version: 1.9.6
Source: carl9170fw/

Downloaded from http://linuxwireless.org/en/users/Drivers/carl9170

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1.160 node-ms 2.1.1-1

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1.161 node-content-disposition 0.5.0-1

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1.162 node-content-type 1.0.4-1

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1.164 linux-kernel 5.4.91

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```
/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
*  http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
*   Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather
 lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
```

* Implementing minimal-copy of received data:
*   IDT always receives data into a small buffer, then large buffers
*   as needed. This means that data must always be copied to create
*   the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
*   Fix is simple: make large buffers large enough to hold entire
*   SDU, and leave <small_buffer_data> bytes empty at the start. Then
*   copy small buffer contents to head of large buffer.
*   Trick is to avoid fragmenting Linux, due to need for a lot of large
*   buffers. This is done by 2 things:
*   1) skb->destructor / skb->atm.recycle_buffer
*   combined, allow nicstar_free_rx_skb to be called to
*   recycle large data buffers
*   2) skb_clone of received buffers
*   See nicstar_free_rx_skb and linearize_buffer for implementation
*   details.
*
*
*
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*
* M. Welsh, 6 July 1996
*
*
*/

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1.165 linux-base 4.6

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1.167 node-is-typedarray 1.0.0-2

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1.168 gdbm 1.18.1-4

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1.169 node-media-typer 0.3.0-2

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1.170 gobject-introspection 1.58.3-2

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1.173 node-setprototypeof 1.1.0-1

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1.180 node-typedarray-to-buffer 3.0.3-3

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1.181 node-range-parser 1.2.0-1

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* Frodo Looijaard
Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
Original author of sensord.
* Bob Schlaermann
Dynamic chip feature detection (a.k.a. generic chip support) in libsensors and sensors.
* Mark M. Hoffman
Many improvements to the libsensors configuration file scanner.
* Jean Delvare
New libsensors API, and migration of sensors and sensord thereto.
Many optimizations in libsensors and sensors.
Configuration file converter.
Rewrite of sensors-detect.
Support for multiple configuration files in libsensors.

1.183 tasksel 3.53

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1.192 python 3.7.3-1

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

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

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

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1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
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2.0.1	2.0+1.6.1	2001	PSF	yes
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2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes

2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
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2.4.3	2.4.2	2006	PSF	yes
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2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
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2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
3.0	2.6	2008	PSF	yes
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1.193 node-proxy-addr 1.0.3-1

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1.194 node-depd 1.1.2-1

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1.196 zstd 1.3.8+dfsg-3+deb10u2

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1.197 grub2 2.02+dfsg1-20+deb10u4

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cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
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lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
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lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h

uts/common/gssapi/include/mechglueP.h

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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
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lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
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lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c

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

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

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
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}
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'openssl/crypto/seed/seed_ofb.c',
'openssl/crypto/sha/sha1_one.c',
'openssl/crypto/sha/sha1dgst.c',
'openssl/crypto/sha/sha256.c',
'openssl/crypto/sha/sha512.c',
'openssl/crypto/siphash/siphash.c',
'openssl/crypto/siphash/siphash_ameth.c',
'openssl/crypto/siphash/siphash_pmeth.c',
'openssl/crypto/sm2/sm2_crypt.c',
'openssl/crypto/sm2/sm2_err.c',
'openssl/crypto/sm2/sm2_pmeth.c',
'openssl/crypto/sm2/sm2_sign.c',
'openssl/crypto/sm3/m_sm3.c',
'openssl/crypto/sm3/sm3.c',
'openssl/crypto/sm4/sm4.c',
'openssl/crypto/srp/srp_lib.c',
'openssl/crypto/srp/srp_vfy.c',
'openssl/crypto/stack/stack.c',
'openssl/crypto/store/loader_file.c',
'openssl/crypto/store/store_err.c',
'openssl/crypto/store/store_init.c',
'openssl/crypto/store/store_lib.c',
'openssl/crypto/store/store_register.c',
'openssl/crypto/store/store_strings.c',
'openssl/crypto/threads_none.c',

'openssl/crypto/threads_pthread.c',
'openssl/crypto/threads_win.c',
'openssl/crypto/ts/ts_asn1.c',
'openssl/crypto/ts/ts_conf.c',
'openssl/crypto/ts/ts_err.c',
'openssl/crypto/ts/ts_lib.c',
'openssl/crypto/ts/ts_req_print.c',
'openssl/crypto/ts/ts_req_utils.c',
'openssl/crypto/ts/ts_rsp_print.c',
'openssl/crypto/ts/ts_rsp_sign.c',
'openssl/crypto/ts/ts_rsp_utils.c',
'openssl/crypto/ts/ts_rsp_verify.c',
'openssl/crypto/ts/ts_verify_ctx.c',
'openssl/crypto/txt_db/txt_db.c',
'openssl/crypto/ui/ui_err.c',
'openssl/crypto/ui/ui_lib.c',
'openssl/crypto/ui/ui_null.c',
'openssl/crypto/ui/ui_openssl.c',
'openssl/crypto/ui/ui_util.c',
'openssl/crypto/uid.c',
'openssl/crypto/whrlpool/wp_dgst.c',
'openssl/crypto/x509/by_dir.c',
'openssl/crypto/x509/by_file.c',
'openssl/crypto/x509/t_crl.c',
'openssl/crypto/x509/t_req.c',
'openssl/crypto/x509/t_x509.c',
'openssl/crypto/x509/x509_att.c',
'openssl/crypto/x509/x509_cmp.c',
'openssl/crypto/x509/x509_d2.c',
'openssl/crypto/x509/x509_def.c',
'openssl/crypto/x509/x509_err.c',
'openssl/crypto/x509/x509_ext.c',
'openssl/crypto/x509/x509_lu.c',
'openssl/crypto/x509/x509_meth.c',
'openssl/crypto/x509/x509_obj.c',
'openssl/crypto/x509/x509_r2x.c',
'openssl/crypto/x509/x509_req.c',
'openssl/crypto/x509/x509_set.c',
'openssl/crypto/x509/x509_trs.c',
'openssl/crypto/x509/x509_txt.c',
'openssl/crypto/x509/x509_v3.c',
'openssl/crypto/x509/x509_vfy.c',
'openssl/crypto/x509/x509_vpm.c',
'openssl/crypto/x509/x509cset.c',
'openssl/crypto/x509/x509name.c',
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'openssl/crypto/x509/x_all.c',
'openssl/crypto/x509/x_attrib.c',
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'openssl/crypto/x509/x_name.c',
'openssl/crypto/x509/x_pubkey.c',
'openssl/crypto/x509/x_req.c',
'openssl/crypto/x509/x_x509.c',
'openssl/crypto/x509/x_x509a.c',
'openssl/crypto/x509v3/pcy_cache.c',
'openssl/crypto/x509v3/pcy_data.c',
'openssl/crypto/x509v3/pcy_lib.c',
'openssl/crypto/x509v3/pcy_map.c',
'openssl/crypto/x509v3/pcy_node.c',
'openssl/crypto/x509v3/pcy_tree.c',
'openssl/crypto/x509v3/v3_addr.c',
'openssl/crypto/x509v3/v3_admis.c',
'openssl/crypto/x509v3/v3_akey.c',
'openssl/crypto/x509v3/v3_akeya.c',
'openssl/crypto/x509v3/v3_alt.c',
'openssl/crypto/x509v3/v3_asid.c',
'openssl/crypto/x509v3/v3_bcons.c',
'openssl/crypto/x509v3/v3_bitst.c',
'openssl/crypto/x509v3/v3_conf.c',
'openssl/crypto/x509v3/v3_cpols.c',
'openssl/crypto/x509v3/v3_crld.c',
'openssl/crypto/x509v3/v3_enum.c',
'openssl/crypto/x509v3/v3_extku.c',
'openssl/crypto/x509v3/v3_genn.c',
'openssl/crypto/x509v3/v3_ia5.c',
'openssl/crypto/x509v3/v3_info.c',
'openssl/crypto/x509v3/v3_int.c',
'openssl/crypto/x509v3/v3_lib.c',
'openssl/crypto/x509v3/v3_ncons.c',
'openssl/crypto/x509v3/v3_pci.c',
'openssl/crypto/x509v3/v3_pcia.c',
'openssl/crypto/x509v3/v3_pcons.c',
'openssl/crypto/x509v3/v3_pku.c',
'openssl/crypto/x509v3/v3_pmaps.c',
'openssl/crypto/x509v3/v3_prn.c',
'openssl/crypto/x509v3/v3_purp.c',
'openssl/crypto/x509v3/v3_skey.c',
'openssl/crypto/x509v3/v3_sxnet.c',
'openssl/crypto/x509v3/v3_tlsf.c',
'openssl/crypto/x509v3/v3_utl.c',
'openssl/crypto/x509v3/v3err.c',
'openssl/engines/e_capi.c',
'openssl/engines/e_padlock.c',

```
],
'openssl_sources_BSD-x86_64': [
  './config/archs/BSD-x86_64/asm/crypto/aes/aesni-mb-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/aes/aesni-sha1-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/aes/aesni-sha256-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/aes/aesni-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/aes/vpaes-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/bn/rsaz-avx2.s',
  './config/archs/BSD-x86_64/asm/crypto/bn/rsaz-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/bn/x86_64-gf2m.s',
  './config/archs/BSD-x86_64/asm/crypto/bn/x86_64-mont.s',
  './config/archs/BSD-x86_64/asm/crypto/bn/x86_64-mont5.s',
  './config/archs/BSD-x86_64/asm/crypto/camellia/cmll-x86_64.s',
   './config/archs/BSD-x86_64/asm/crypto/chacha/chacha-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/ec/ecp_nistz256-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/ec/x25519-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/md5/md5-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/modes/aesni-gcm-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/modes/ghash-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/poly1305/poly1305-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/rc4/rc4-md5-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/rc4/rc4-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/sha/keccak1600-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/sha/sha1-mb-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/sha/sha1-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/sha/sha256-mb-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/sha/sha256-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/sha/sha512-x86_64.s',
   './config/archs/BSD-x86_64/asm/crypto/whrlpool/wp-x86_64.s',
  './config/archs/BSD-x86_64/asm/crypto/x86_64cpuid.s',
  './config/archs/BSD-x86_64/asm/engines/e_padlock-x86_64.s',
],
'openssl_defines_BSD-x86_64': [
  'NDEBUG',
  'L_ENDIAN',
  'OPENSSL_PIC',
  'OPENSSL_CPUID_OBJ',
  'OPENSSL_IA32_SSE2',
  'OPENSSL_BN_ASM_MONT',
  'OPENSSL_BN_ASM_MONT5',
  'OPENSSL_BN_ASM_GF2m',
  'SHA1_ASM',
  'SHA256_ASM',
  'SHA512_ASM',
  'KECCAK1600_ASM',
  'RC4_ASM',
  'MD5_ASM',
  'AESNI_ASM',
```

```
    'VPAES_ASM',
    'GHASH_ASM',
    'ECP_NISTZ256_ASM',
    'X25519_ASM',
    'POLY1305_ASM',
  ],
  'openssl_cflags_BSD-x86_64': [
    '-Wa,--noexecstack',
    '-Wall -O3',
    '-pthread',
    '-Wall -O3',
  ],
  'openssl_ex_libs_BSD-x86_64': [
    '-pthread',
  ],
 },
 'include_dirs': [
  '.',
  './include',
  './crypto',
  './crypto/include/internal',
 ],
 'defines': ['<@(openssl_defines_BSD-x86_64)'],
 'cflags' : ['<@(openssl_cflags_BSD-x86_64)'],
 'libraries': ['<@(openssl_ex_libs_BSD-x86_64)'],
 'sources': ['<@(openssl_sources)', '<@(openssl_sources_BSD-x86_64)'],
}
```

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```
{
 'variables': {
  'openssl_defines_BSD-x86_64': [
    'NDEBUG',
    'L_ENDIAN',
    'OPENSSL_PIC',
  ],
  'openssl_cflags_BSD-x86_64': [
    '-Wall -O3',
    '-pthread',
    '-Wall -O3',
  ],
  'openssl_ex_libs_BSD-x86_64': [
    '-pthread',
```

```
],
'openssl_cli_srcs_BSD-x86_64': [
  'openssl/apps/asn1pars.c',
  'openssl/apps/ca.c',
  'openssl/apps/ciphers.c',
  'openssl/apps/cms.c',
  'openssl/apps/crl.c',
  'openssl/apps/crl2p7.c',
  'openssl/apps/dgst.c',
  'openssl/apps/dhparam.c',
  'openssl/apps/dsa.c',
  'openssl/apps/dsaparam.c',
  'openssl/apps/ec.c',
  'openssl/apps/ecparam.c',
  'openssl/apps/enc.c',
  'openssl/apps/engine.c',
  'openssl/apps/errstr.c',
  'openssl/apps/gendsa.c',
  'openssl/apps/genpkey.c',
  'openssl/apps/genrsa.c',
  'openssl/apps/nseq.c',
  'openssl/apps/ocsp.c',
  'openssl/apps/openssl.c',
  'openssl/apps/passwd.c',
  'openssl/apps/pkcs12.c',
   'openssl/apps/pkcs7.c',
  'openssl/apps/pkcs8.c',
  'openssl/apps/pkey.c',
  'openssl/apps/pkeyparam.c',
  'openssl/apps/pkeyutl.c',
  'openssl/apps/prime.c',
  'openssl/apps/rand.c',
  'openssl/apps/rehash.c',
  'openssl/apps/req.c',
  'openssl/apps/rsa.c',
  'openssl/apps/rsautl.c',
  'openssl/apps/s_client.c',
  'openssl/apps/s_server.c',
  'openssl/apps/s_time.c',
  'openssl/apps/sess_id.c',
  'openssl/apps/smime.c',
  'openssl/apps/speed.c',
  'openssl/apps/spkac.c',
  'openssl/apps/srp.c',
  'openssl/apps/storeutl.c',
  'openssl/apps/ts.c',
  'openssl/apps/verify.c',
  'openssl/apps/version.c',
```

```
    'openssl/apps/x509.c',
    'openssl/apps/app_rand.c',
    'openssl/apps/apps.c',
    'openssl/apps/bf_prefix.c',
    'openssl/apps/opt.c',
    'openssl/apps/s_cb.c',
    'openssl/apps/s_socket.c',
  ],
 },
 'defines': ['<@(openssl_defines_BSD-x86_64)'],
 'include_dirs':
 [
   './include',
 ],
 'cflags' : ['<@(openssl_cflags_BSD-x86_64)'],
 'libraries': ['<@(openssl_ex_libs_BSD-x86_64)'],
 'sources': ['<@(openssl_cli_srcs_BSD-x86_64)'],
}
```

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1.200 glibc 2.28-10

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END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

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) <year> <name of author>

This program is free software; you can redistribute it and/or modify

it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
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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.,
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

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

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

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

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.

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

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

This General Public License
does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.202 sqlite 3.27.2-3+deb10u1

1.202.1 Available under license :

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

<html>
<title>SQLite Copyright Release Template</title>
<body bgcolor="white">
<h1 align="center">
Copyright Release for
Contributions To SQLite
</h1>

SQLite is software that implements an embeddable SQL database engine.
SQLite is available for free download from http://www.sqlite.org/.
The principal author and maintainer of SQLite has disclaimed all
copyright interest in his contributions to SQLite
and thus released his contributions into the public domain.
In order to keep the SQLite software unencumbered by copyright
claims, the principal author asks others who may from time to
time contribute changes and enhancements to likewise disclaim
their own individual copyright interest.

Because the SQLite software found at http://www.sqlite.org/ is in the
public domain, anyone is free to download the SQLite software
from that website, make changes to the software, use, distribute,
or sell the modified software,
 under either the original name or
under some new name, without any need to obtain permission, pay
royalties, acknowledge the original source of the software, or
in any other way compensate, identify, or notify the original authors.
Nobody is in any way compelled to contribute their SQLite changes and
enhancements back to the SQLite website. This document concerns
only changes and enhancements to SQLite that are intentionally and
deliberately contributed back to the SQLite website.

For the purposes of this document, "SQLite software" shall mean any
computer source code, documentation, makefiles, test scripts, or
other information that is published on the SQLite website,
http://www.sqlite.org/. Precompiled binaries are excluded from
the definition of "SQLite software" in this document because the
process of compiling the software may introduce information from

outside sources which is not properly a part of SQLite.

The header comments on the SQLite source
files exhort the reader to
share freely and to never take more than one gives.
In the spirit of that exhortation I make the following declarations:

I dedicate to the public domain
any and all copyright interest in the SQLite software that
was publicly available on the SQLite website (http://www.sqlite.org/) prior
to the date of the signature below and any changes or enhancements to
the SQLite software
that I may cause to be published on that website in the future.
I make this dedication for the benefit of the public at large and
to the detriment of my heirs and successors. I intend this
dedication to be an overt act of relinquishment in perpetuity of
all present and future rights to the SQLite software under copyright
law.

To the best of my knowledge and belief, the changes and enhancements that
I have contributed to SQLite are either originally written by me
or are derived from prior works which I have verified are also
in the public domain
and are not subject to claims of copyright
by other parties.

To the best of my knowledge and belief, no individual, business, organization,
government, or other entity has any copyright interest
in the SQLite software as it existed on the
SQLite website as of the date on the signature line below.

I agree never to publish any additional information
to the SQLite website (by CVS, email, scp, FTP, or any other means) unless
that information is an original work of authorship by me or is derived from
prior published versions of SQLite.
I agree never to copy and paste code into the SQLite code base from
other sources.

I agree never to publish on the SQLite website any information that
would violate a law or breach a contract.

<table width="100%" cellpadding="0" cellspacing="0">
<tr>
<td width="60%" valign="top">
Signature:

</td><td valign="top" align="left">
Date:
</td></tr>
<td colspan=2>
Name
(printed):
</td>
</tr>
</table>
</body>
</html>

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application code is free to use these routines as well, if desired.

Found in path(s):
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<dd> The psow query parameter works with the default windows and unix VFSes but might be a no-op for other proprietary or non-standard VFSes.
<dd> One might, for example, want to query all objects that overlap with the 35th parallel: SELECT id FROM demo_index WHERE maxY>=35.0 AND minY<=35.0; But, generally speaking, the more constraints that the R*Tree module has to work with, and the smaller the bounding box, the faster the results will come back. 3.4. Roundoff Error By default, coordinates are stored in an R*Tree using 32-bit floating point values. When a coordinate cannot be exactly represented by a 32-bit floating point number, the lower-bound coordinates are rounded down and the upper-bound coordinates are rounded up. Thus, bounding boxes might be slightly larger than specified, but will never be any smaller. This is exactly what is desired for doing the more common "overlapping" queries where the application
wants to find every entry in the R*Tree that overlaps a query bounding box. Rounding the entry bounding boxes outward might cause a few extra entries to appears in an overlapping query if the edge of the entry bounding box corresponds to an edge of the query bounding box. But the overlapping query will never miss a valid table entry.

However, for a "contained-within" style query, rounding the bounding boxes outward might cause some entries to be excluded from the result set if the edge of the entry bounding box corresponds to the edge of the query bounding box. To guard against this, applications should expand their contained-within query boxes slightly (by 0.000012%) by rounding down the lower coordinates and rounding up the top coordinates, in each dimension. 4. Using R*Trees Effectively For SQLite versions prior to 3.24.0 (2018-06-04), the only information that an R*Tree index stores about an object is its integer ID and its bounding box. Additional information needs to be stored
in separate tables and related to the R*Tree index using the primary key. For the example above, one might create an auxiliary table as follows: CREATE TABLE demo_data(id INTEGER PRIMARY KEY, -- primary key objname TEXT, -- name of the object objtype TEXT, -- object type boundary BLOB -- detailed boundary of object); In this example, the demo_data.boundary field is intended to hold some kind of binary representation of the precise boundaries of the object. The R*Tree index only holds an axis-aligned rectangular boundary for the object. The R*Tree boundary is just an approximation of the true object boundary. So what typically happens is that the R*Tree index is used to narrow a search down to a list of candidate objects and then more detailed and expensive computations are done on each candidate to find if the candidate truly meets the search criteria. Key Point: An R*Tree index does not normally provide the exact answer but merely reduces the set of potential answers from millions to
dozens. Suppose the demo_data.boundary field holds some proprietary data description of a complex two-dimensional boundary for an object and suppose that the application has used the sqlite3_create_function() interface to created application-defined functions "contained_in" and "overlaps" accepting two demo_data.boundary objects and return true or false. One may assume that "contained_in" and "overlaps" are relatively slow functions that we do not want to invoke too frequently. Then an efficient way to find the name of all objects located within the North Carolina 12th District, one may be to run a query like this: SELECT objname FROM demo_data, demo_index WHERE demo_data.id=demo_index.id AND contained_in(demo_data.boundary, :boundary) AND minX>=-81.0 AND maxX<=-79.6 AND minY>=35.0 AND maxY>=36.2; In the query above, one would presumably bind the binary BLOB description of the precise boundary of the 12th district to the ":boundary" parameter. Notice how the query above works: The R*Tree
index runs in the outer loop to find entries that are contained within the bounding box of longitude -81..-79.6 and latitude 35.0..36.2. For each object identifier found, SQLite looks up the corresponding entry in the demo_data table. It then uses the boundary field from the demo_data table as a parameter to the contained_in() function and if that function returns true, the objname field from the demo_data table is returned as the next row of query result. One would get the same answer without the use of the R*Tree index using the following simpler query: SELECT objname FROM demo_data WHERE contained_in(demo_data.boundary, :boundary); The problem with this latter query is that it must apply the contained_in() function to millions of entries in the demo_data table. The use of the R*Tree in the penultimate query reduces the number of calls to contained_in() function to a small subset of the entire table. The R*Tree index did not find the exact answer itself, it merely limited the search
space. 4.1. Auxiliary Columns Beginning with SQLite version 3.24.0 (2018-06-04), r-tree tables can have auxiliary columns that store arbitrary data. Auxiliary columns can be used in place of secondary tables such as "demo_data". Auxiliary columns are marked with a "+" symbol before the column name. Auxiliary columns must come after all of the coordinate boundary columns. There is a limit of no more than 100 auxiliary columns. The following example shows an r-tree table with auxiliary columns that is equivalent to the two tables "demo_index" and "demo_data" above: CREATE VIRTUAL TABLE demo_index2 USING rtree(id, -- Integer primary key minX, maxX, -- Minimum and maximum X coordinate minY, maxY, -- Minimum and maximum Y coordinate +objname TEXT, -- name of the object +objtype TEXT, -- object type +boundary BLOB -- detailed boundary of object);

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can be used for any purpose. But TH3 is proprietary and requires a license.

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SQLite is high-quality, public domain software. The goal of
members can also request their own private, proprietary extensions

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Public Domain
public domain
the public domain and originals of
author, and all of those authors have public domain dedications
domain and ensure that the code does not become contaminated with proprietary
SQLite is in the public domain and does not require a license.
the public domain.
have the legal right to dedicate the SQLite to the public domain, and

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SQLite core and like the SQLite core are in the public domain. The
The TH3 test harness is a set of proprietary tests, written in

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data, so do not send the ".fullschema" output of a proprietary database

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Public domain
The source code for SQLite is in the public domain. No claim of copyright

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proprietary. The TH3 code is only accessible to SQLite developers.

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or some proprietary format into

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application is free to use the same database connection or the

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<html>
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FOR IMMEDIATE RELEASE:

<h2 align="center">SQLite Consortium Launches With Mozilla And Symbian As Charter Members</h2>

<h3 align="center">Ensures independent technical direction for world's
most deployed SQL database engine</h3>

Charlotte, North Carolina - December 12, 2007 - The SQLite Consortium,
a new membership association dedicated to maintaining SQLite as a fully open
and independent product, was formally announced today. Mozilla and Symbian Ltd.
have joined the SQLite Consortium as charter members.

SQLite is a compact, high efficiency, high reliability, embeddable SQL database
engine. The source code to SQLite is in the public domain and is available with
no associated fees. SQLite is the most deployed SQL database engine in the world
and is currently used in a wide range of commercial software products and electronic
devices from leading manufacturers.
 SQLite is found today in many mobile phones,
MP3 players, set-top boxes, and PCs.

The mission of the SQLite Consortium is to continue developing and enhancing
SQLite as a product that anyone may use without paying royalties or licensing fees.
Members of the SQLite Consortium provide funding to enable this mission and in
return receive enterprise-level technical support. Technical control and direction
of SQLite remains entirely with the SQLite developers.

Mozilla, developer of the popular open-source Firefox web browser, and Symbian,
the market-leading open operating system for advanced data-enabled smartphones,
both deploy the SQLite database engine in their products. As charter members of
the Consortium, Mozilla and Symbian are ensuring the development and support of
SQLite as a freely accessible and public domain software asset.

"SQLite has become a popular embedded database because it is lightweight, fast,
and open source," said Michael Schroepfer,
Vice President of Engineering, Mozilla.
"As a charter member of the SQLite Consortium, Mozilla is excited to help ensure
SQLite remains a vibrant and open technology, in line with our mission to promote
choice and innovation on the Internet."

"The SQLite Consortium will help set the standards for database management
which are essential in smartphone functionality and will also help create a pool
of developers, highly-skilled in SQLite for future mobile phone development, "
said Bruce Carney, Director, Developer Programmes & Services, Symbian.
"Our involvement with the SQL Consortium not only demonstrates Symbian's commitment
to open standards in the industry, but as mobile phones become increasingly powerful
and smartphones become increasingly popular, we are focused on ensuring that
desktop developers, who move to the mobile space, have the easiest and most
productive experience possible."

SQLite is a winner of the 2005 Google/O'Reilly Open Source Award. Additional
information
regarding the SQLite Consortium is available at the SQLite website,
http://www.sqlite.org/.

# # #

About SQLite

SQLite is a software library that implements a self-contained, embeddable,
serverless, zero-configuration, transactional SQL database engine. The code for
SQLite is in the public domain and is free for any use, commercial or private.
SQLite is currently found in countless software titles and electronic devices.

SQLite was originally developed and released 2000 by Dr. D. Richard Hipp.
The code continues to be maintained and enhanced by an international team
of developers under Hipp's direction.

CONTACT INFORMATION:
SQLite Consortium

Dr. D. Richard Hipp
6200 Maple Cove Lane
Charlotte, NC 28269
Email: drh@sqlite.org
http://www.sqlite.org/
Tel: +1.704.948.4565

About Mozilla

Mozilla is a global community dedicated to building free, open source products

and technologies that improve the online experience for people everywhere.
Mozilla works in the open with a highly disciplined, transparent and cooperative
development process, under the umbrella of the non-profit Mozilla Foundation.
As a wholly owned subsidiary, the Mozilla Corporation organizes the development
and marketing of Mozilla products. This unique structure has enabled Mozilla to
financially support and cultivate competitive, viable community innovation.
For more information, visit www.mozilla.com.

CONTACT INFORMATION:
Mozilla Corporation
Jessica Waight
Tel: +1.415.345.4754
Email: jwaight@outcastpr.com

About Symbian Limited

Symbian is a software licensing company that develops and licenses Symbian OS,
the market-leading open operating system for advanced, data-enabled mobile phones
known as smartphones.

Symbian licenses Symbian OS to the world's leading handset manufacturers
and has built close co-operative business
relationships with leading companies
across the mobile industry. During Q3 2007, 20.4 million Symbian smartphones
were sold worldwide to over 250 major network operators, bringing the total
number of Symbian smartphones shipped up to 30 September 2007 to 165 million.

Symbian has its headquarters in London, United Kingdom, with offices in the
United States, United Kingdom, Asia (India, P.R. China, and Korea) and Japan.
For more information, please visit www.symbian.com.

CONTACT INFORMATION:
Symbian Global Press Office
Karen Hamblen

+44 207 154 1707
press@symbian.com

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application is free to use the same database connection or the

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SQLite is in the public domain. This document describes what that means

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<html>
<head>
<title>SQLite Consortium Agreement</title>
</head>
<body bgcolor="white">
<h1 align="center">
SQLite Consortium Agreement
</h1>

This SQLite Consortium Agreement ("Agreement") is made and
entered into as of the _____ day of _____, 2007 ("Effective Date")
by and between _____ (the "Company"), and
Hipp, Wyrick & Company, Inc., a Georgia Corporation with
headquarters at 6200 Maple Cove Lane, Charlotte, NC ("Hwaci").

WHEREAS, Hwaci is the developer of a serverless, embeddable, public
domain SQL database engine available at
http://www.sqlite.org/
("SQLite"); and

WHEREAS, Company wishes to support the independent development of
the SQLite database engine to insure the continuing reliability,
vitality, and independence of SQLite, and in connection therewith,
Company wishes to provide funds for ongoing research, development,
and
maintenance of the SQLite code base, operation of the SQLite
website, protection and maintenance of the SQLite
trademark, as well as for promotion of SQLite at conferences and
trade shows; and

WHEREAS, Company wishes to receive benefits in the form of
services from Hwaci in consideration for their support of SQLite; and

WHEREAS, Company and Hwaci each wish SQLite to be supported and
maintained as an independent, community-driven project, and to
ensure the SQLite development team remains independent.

NOW, THEREFORE, in consideration of the mutual promises contained
herein, the parties agree as follows:

<h2>1.0 Definitions</h2>

<h3>1.1 SQLite Developers</h3>
The "SQLite Developers" are the employees or contractors of Hwaci engaged
in the development of SQLite, including without limitation the
SQLite Architect.

<h3>1.2 SQLite Architect</h3>
The "SQLite Architect" is the SQLite Developer with ultimate
responsibility and authority over changes
and maintenance of the
SQLite code. The current SQLite Architect is the original designer
and developer of SQLite, D. Richard Hipp. Hwaci may change the
SQLite Architect from time to time upon approval by Company.

<h3>1.3 Consortium Member</h3>
A "Consortium Member" is a company or organization, including
but not limited to Company, which has entered into an agreement
with Hwaci which is substantially similar to this Agreement.

<h2>2.0 Agreement<h2>

<h3>2.1 Responsibilities And Obligations Of SQLite Developers</h3>

<h4>2.1.1 General Support</h4>
The SQLite Developers shall provide, without limit,
timely and accurate answers, advice, and instruction

in response to questions and comments from Company about SQLite
submitted by email or by telephone at any time day or night.

<h4>2.1.2 Debugging Support</h4>
The SQLite Developers shall at Company's request provide
Company with direct assistance
in debugging applications that are built upon or use SQLite.
The combined
time for Debugging Support and Custom
Development for Company is limited to 330 hours per year.

<h4>2.1.3 Custom Development</h4>
The SQLite Developers shall at the request of Company
write new extensions or enhancements
to SQLite according to Company's specifications. These extensions
and enhancements may be proprietary to Company or open source or
with the consent of both Company and the SQLite Architect may
be folded into the public domain SQLite source tree.
The time devoted to Custom Development for Company is limited 220 hours
per year.

<h4>2.1.4 Custom Builds</h4>
The SQLite Developers shall at Company's request provide Company
with specialized builds of SQLite according to Company's specifications.

<h4>2.1.5 Legacy Support</h4>
The SQLite Developers shall at Company's request provide support
and bug-fix patches for any historical version of SQLite.

<h4>2.1.6 Custom Testing</h4>
The SQLite Developers shall at Company's request set up and
run
acceptance tests according Company's specifications that are specifically
designed to exercise SQLite as configured and used by Company.
These acceptance tests shall be run and shall pass prior to any release
of SQLite.

<h4>2.1.7 Priority Bug Fixes</h4>
The SQLite Developers shall assign highest priority to fixing bugs
in SQLite that are reported by Company or in which Company has
expressed a specific interest.

<h4>2.1.8 Code Quality</h4>
The SQLite Developers shall at all times keep the SQLite source
code well commented and documented and clearly structured and
organized so that an experienced and competent programmer can
understand it and support it after no more than a few months of study.

<h4>2.1.9 Backwards Compatibility</h4>
The SQLite Developers recognize that Company uses SQLite
in mission-critical applications and therefore shall work diligently
to ensure continuing bug-free correct operation and backwards
compatibility with prior releases.

<h4>2.1.10
Test Coverage</h4>
The SQLite Developers shall maintain the SQLite test suite such
that no less than 95% source code coverage is provided.

<h4>2.1.11 Website</h4>
The SQLite Developers shall maintain the SQLite website at
http://www.sqlite.org/
in good working order and all SQLite source code shall
be made freely available at such website.

<h3>2.2 Responsibilities And Obligations Of The SQLite Architect</h3>

<h4>2.2.1 Private Briefings</h4>
The SQLite Architect shall, at the request of Company,
provide Company with private notification and briefings
of any new bugs or new features in SQLite that might
effect Company's products.

<h4>2.2.2 Direction</h4>
The SQLite Architect shall coordinate the activities of SQLite
Developers and shall publish from time to time a roadmap of
proposed future changes and enhancements to SQLite.

<h4>2.2.3 Oversight</h4>
The SQLite Architect shall personally
review all changes to
the SQLite Source Code and take responsibility for the quality

and correctness of those changes.

<h4>2.2.4 Continuity</h4>
The initial SQLite Architect shall be the original developer
of SQLite, D. Richard Hipp. The role of SQLite Architect shall
not be assigned to another during the term of this Agreement except
due to the disability of Dr. Hipp and with approval of Company.

<h3>2.3 Responsibilities And Obligations Of Hwaci</h3>

<h4>2.3.1 Employer</h4>
Hwaci shall act as the employer of the SQLite Developers and
SQLite Architect and shall make all tax and legal filings
and tax withholding required by employers. Hwaci shall provide
Company with W-9 information upon request.

<h4>2.3.2 Responsible Party</h4>
All obligations of the SQLite Developers set forth in this
agreement are deemed obligations of Hwaci. Hwaci shall recruit,
employ, and supervise SQLite Developers in such a way that the
responsibilities and obligations of the SQLite
 Developers set
forth in this agreement are upheld.

<h4>2.3.3 Multiple Developers</h4>
Hwaci shall recruit and employ as many SQLite Developers for as
many hours as can be reasonably achieved using the funds received
from Consortium Members under this agreement.
So that support for SQLite will not be interrupted by the
disability or withdrawal of any one SQLite Developer, Hwaci will
keep at least two knowledgeable and competent SQLite Developers
on staff.

<h4>2.3.4 Mentorship</h4>
Hwaci shall work to encourage independent
programmers from around the world
to become familiar with SQLite internals so that there will be a
pool of talent able to support SQLite in the future.

<h4>2.3.5 Audits</h4>
Hwaci shall keep and maintain complete and accurate records
of the use of development funds provided by Company
and shall allow Company, or its representative, a certified
public accountant mutually acceptable to Hwaci and Company,

during office hours and at reasonable
intervals, no more than
once every 12 months, to inspect and make extracts or copies
of such records solely for the purpose of ascertaining Hwaci's
compliance with the objectives and requirements of this agreement.

<h4>2.3.6 Disaster Planning</h4>
Hwaci shall maintain backup copies of all
SQLite source files and documentation, current and historical,
at at least two separate locations separated from each
other and from the primary on-line SQLite repository
by at least 400 kilometers.

<h4>2.3.7 Trademark</h4>
Hwaci shall maintain ownership of the SQLite trademark and
the sqlite.org domain name and shall purchase bandwidth and
server space for the
http://www.sqlite.org/ website.

<h4>2.3.8 No Take-overs or Buy-outs</h4>
Neither Hwaci nor the SQLite Architect shall relinquish development
control of SQLite during the term of this Agreement, by acquisition or merger
or by any other means,
except with the consent of Company.

<h4>2.3.9
New Consortium Members</h4>
New Consortium Members may be accepted into the consortium from
time to time under identical terms as this agreement, or under
substantially similar terms that have been approved by existing
Consortium Members.

<h4>2.3.10 Adequate Staff</h4>
Hwaci shall recruit and employ a sufficient number of qualified
SQLite Developers to easily cover all custom development,
debugging, and general support service obligations for all
Consortium Members while still providing ample time for
the SQLite Developers to engage in general maintenance
and extension of SQLite.

<h4>2.3.11 Use Of Funds</h4>
Hwaci shall use the funds provided hereunder
solely for the development and maintenance of SQLite as set forth in

this Agreement.
Interest on funds received in advance and held in trust will
be reinvested and used for the same purposes as the principal.

<h3>2.4 Responsibilities And Obligations Of Company</h3>

<h4>2.4.1 Funding</h4>
Company
shall provide funding for the ongoing support and
maintenance of SQLite as set forth in section 3.0 "Fees".

<h4>2.4.2 Copyright Disclaimer</h4>
Company acknowledges that SQLite source code and documentation
published on the SQLite website
is in the public domain and that nothing in this agreement shall change
that fact.

<h2>3.0 Fees</h2>

In consideration of the performance
by Hwaci, the SQLite Developers, and the SQLite Architect
of the obligations described herein,
Company shall pay Hwaci at least US $75,000 per year in advance
either annually, quarterly, or monthly, at Company's discretion.

<h2>4.0 Confidentiality</h2>

<h3>4.1 Definition of Confidential Information</h3>

"Confidential Information" means any Company proprietary information,
technical data, trade secrets or know-how, including, but not limited to,
research, product plans, products, services, customers, customer lists,
markets, software, developments,
inventions, processes, formulas,
technology, designs, drawings, engineering, hardware configuration
information, marketing, finances or other business information
disclosed by Company either directly or indirectly in writing,
orally or by drawings or inspection of parts or equipment.

<h3>4.2 Non-Use and Non-Disclosure.</h3>

Hwaci shall not, during or subsequent to the term of this Agreement,
use Company's Confidential Information for any purpose whatsoever
other than the performance of the Services or disclose
Company's Confidential Information to any third party. The parties

acknowledge that Confidential Information will remain the sole property of Company. Hwaci shall take all reasonable precautions to prevent any unauthorized disclosure of Confidential Information including, but not limited to, having each employee or consultant of Hwaci, if any, with access to any Confidential Information, execute a nondisclosure agreement containing provisions in Company's favor substantially similar to this Agreement. Confidential Information does not include information that: (i) is known to Hwaci at the time of disclosure to Hwaci by Company as evidenced by written records of Hwaci; (ii) has become publicly known and made generally available through no wrongful act of Hwaci; or (iii) has been received by Hwaci from a third party who is authorized to make such disclosure.

<h4>4.2.1 Disclosure Required by Law</h4>
In the event any Confidential Information is required to be disclosed by Hwaci under the terms of a valid and effective subpoena or order issued by a court of competent jurisdiction, or by a demand or information request from an executive or administrative agency or other governmental authority, Hwaci shall, unless prohibited by the terms of a subpoena, order, or demand, promptly notify Company of the existence, terms and circumstances surrounding such demand or request, shall consult with Company on the advisability of taking legally available steps to resist or narrow such demand or request, and, if disclosure of such Confidential Information is required, shall exercise its reasonable best efforts to narrow the scope of disclosure and obtain an order or other reliable assurance that confidential treatment will be accorded to such Confidential Information. To the extent that Hwaci is prohibited from notifying Company of a subpoena, order or demand, by the terms of same, Hwaci shall exercise its reasonable efforts to narrow the scope of disclosure.

<h3>4.3 Return of Materials.</h3>

Upon the termination of this Agreement, or upon Company's earlier request, Hwaci shall deliver to Company all of Company's property or Confidential Information that Hwaci may have in Hwaci's possession or control.

<h2>5.0 Intellectual Property</h2>

<h3>5.1 No Assignment</h3>

Company acknowledges that all copyrightable material, notes,
records, drawings, designs, inventions, improvements, developments,

discoveries and trade secrets made, generated, conceived, or
reduced to practice by Hwaci related to SQLite
will remain the property of Hwaci. Nothing in this Agreement
will be construed to transfer any intellectual property right
of Hwaci to Company.

<h3>5.2 Availability and Public Domain Dedication</h3>

The SQLite Developers and Hwaci shall,
subject to their discretion as to the quality
and suitability of the SQLite source code and documentation
for public release, make
the SQLite source code and documentation
publicly available as downloadable files
and make a public statement ceding all intellectual
property rights, including but not limited to copyright
and patent rights, in the SQLite source code and documentation
to the public domain.
To the extent that the SQLite Developers and Hwaci
elect not to release the SQLite
source code and documentation
publicly, they shall provide copies thereof to
Company and hereby grants to Company, under all of the
SQLite
 Developers' and Hwaci's
rights
including but not limited to copyright and patent rights,
in and to the SQLite source code and documentation,
perpetual, irrevocable,
worldwide, non-exclusive, sublicenseable license to use,
copy, prepare derivative works of, publicly perform and
display the SQLite source code and documentation
and derivative works thereof.

<h3>5.3 Trademark</h3>

Hwaci shall use the name "SQLite" only to apply to the
publicly available project known by such name as of the
Effective Date. Hwaci may in its discretion file such
trademark applications or registrations as it deems
appropriate to protect or record its rights therein,
and may set such policies as it deems appropriate for
licensing the use of the trademark.

<h2>6.0 Representations And Warranties</h3>

<h3>6.1 Intellectual Property Clearances.</h3>

Hwaci hereby represents and warrants that Hwaci shall
enter into agreements with the SQLite Developers sufficient
to enable Hwaci to
undertake the obligations of Section 5.

<h3>6.2 Disclaimer.</h3>

THE WORK PRODUCT AND ALL MATERIAL PROVIDED BY HWACI AND
COMPANY ARE PROVIDED "AS IS." NEITHER PARTY MAKES ANY
REPRESENTATIONS OR WARRANTIES OF ANY KIND, WHETHER ORAL
OR WRITTEN, WHETHER EXPRESS, IMPLIED, OR ARISING BY STATUTE,
CUSTOM, COURSE OF DEALING OR TRADE USAGE, WITH RESPECT TO
THE SUBJECT MATTER HEREOF, IN CONNECTION WITH THIS AGREEMENT.
EACH PARTY SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED
WARRANTIES OR CONDITIONS OF TITLE, MERCHANTABILITY,
FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.

<h2>7.0 Term And Termination</h2>

<h3>7.1 Term.</h3>

This Agreement will commence on the Effective Date and
will continue until 12 months after the Effective Date.
Thereafter, the parties may by mutual consent renew
this Agreement subject to agreement on fees to be paid by
Company for sponsorship for additional periods.

<h3>7.2 Termination.</h3>

If either party materially defaults in
the performance
of any of its material obligations hereunder and if any
such default is not corrected within 30 days after notice
in writing, then the non-defaulting party, at its option,
may, in addition to any other remedies it may have, thereupon
terminate this Agreement by giving written notice of
termination to the defaulting party.

<h3>7.3 Survival.</h3>

Upon such termination all rights and duties of the
parties toward each other will cease except:
Sections 4 (Confidentiality), 5 (Intellectual Property),
and 8 (Miscellaneous) will survive termination of this Agreement.

<h2>8. Miscellaneous</h2>

<h3>8.1 Nonassignment/Binding Agreement.</h3>

The parties acknowledge that the unique nature of Hwaci's services are substantial consideration for the parties' entering into this Agreement. Neither this Agreement nor any rights under this Agreement may be assigned or otherwise transferred by Hwaci, in whole or in part, whether voluntarily or by operation of law, without the prior written consent of Company, which consent will not be unreasonably withheld. Subject to the foregoing, this Agreement will be binding upon and will inure to the benefit of the parties and their respective successors and assigns. Any assignment in violation of the foregoing will be null and void.

<h3>8.2 Notices.</h3>

Any notice required or permitted under the terms of this Agreement or required by law must be in writing and must be: (a) delivered in person; (b) sent by first class registered mail, or air mail, as appropriate; or (c) sent by overnight air courier, in each case properly posted and fully prepaid to the appropriate address set forth in the preamble to this Agreement. Either party may change its address for notice by notice to the other party given in accordance with this Section. Notices will be considered to have been given at the time of actual delivery in person, three business days after deposit in the mail as set forth above, or one day after delivery to an overnight air courier service.

<h3>8.3 Waiver.</h3>

Any waiver of the provisions of this Agreement or of a party's rights or remedies under this Agreement must be in writing to be effective. Failure, neglect, or delay by a party to enforce the provisions of this Agreement or its rights or remedies at any time, will not be construed as a waiver of such party's rights under this Agreement and will not in any way affect the validity of the whole or any part of this Agreement or prejudice such party's right to take subsequent action. No exercise or enforcement by either party of any right or remedy under this Agreement will preclude the

enforcement by such party of any other right or remedy
under this Agreement or that such party is entitled by
law to enforce.

<h3>8.4 Severability.</h3>

If any term, condition, or provision in this Agreement
is found to be invalid, unlawful or unenforceable to
any extent, the parties
shall endeavor in good faith
to agree to such amendments that will preserve, as far
as possible, the intentions expressed in this Agreement.
If the parties fail to agree on such an amendment,
such invalid term, condition or provision will be
severed from the remaining terms, conditions and
provisions, which will continue to be valid and
enforceable to the fullest extent permitted by law.

<h3>8.5 Integration.</h3>

This Agreement contains the entire agreement of the
parties with respect to the subject matter of this
Agreement and supersedes all previous communications,
representations, understandings and agreements,
either oral or written, between the parties with
respect to said subject matter. This Agreement
may not be amended, except by a writing signed by both parties.

<h3>8.6 Counterparts.</h3>

This Agreement may be executed in counterparts,
each of which so executed will be deemed to be an
original and such counterparts together will constitute
one
and the same agreement.

<h3>8.7 Governing Law.</h3>

This Agreement will be interpreted and construed in
accordance with the laws of the State of North Carolina
and the United States of America, without regard to
conflict of law principles. All disputes arising out
of this Agreement will be subject to the exclusive
jurisdiction of the state and federal courts located in
North Carolina, and each party hereby consents to the
personal jurisdiction thereof.

<h3>8.8 Independent Contractors.</h3>

It is the intention of the parties that Hwaci is an
independent contractor. Nothing in this Agreement will
in any way be construed to constitute Hwaci or any of
its employees as an agent, employee or representative
of Company.

<h2>9.0 Signatures</h2>

The parties have executed this Agreement below to
indicate their acceptance of its terms.

<table width="100%" border="0">
<tr><td valign="top">
HWACI
By:<hr>

Print Name:<hr>

Title:<hr>

</td><td
 width="10%"></td>
<td valign="top">
COMPANY
By:<hr>

Print Name:<hr>

Title:<hr>

</td></tr></table>

Found in path(s):
* /opt/cola/permits/1146776895_1616740027.09/0/sqlite3-3-27-2-orig-www-1-tar-xz/www/consortium_agreement-20071201.html
No license file was found, but licenses were detected in source scan.

<h2>Proprietary SQLite Extensions</h2>
public domain. But there also exist
proprietary, licensed extensions to SQLite.

Found in path(s):
* /opt/cola/permits/1146776895_1616740027.09/0/sqlite3-3-27-2-orig-www-1-tar-xz/www/support.html
No license file was found, but licenses were detected in source scan.

public domain. No claim of ownership is made

Found in path(s):
* /opt/cola/permits/1146776895_1616740027.09/0/sqlite3-3-27-2-orig-www-1-tar-xz/www/faq.html
No license file was found, but licenses were detected in source scan.

is free to use SQLite from multiple threads, but it must make sure

Found in path(s):
* /opt/cola/permits/1146776895_1616740027.09/0/sqlite3-3-27-2-orig-www-1-tar-xz/www/custombuild.html
No license file was found, but licenses were detected in source scan.

 Public domain source code
public domain and is thus free for

Found in path(s):
* /opt/cola/permits/1146776895_1616740027.09/0/sqlite3-3-27-2-orig-www-1-tar-xz/www/about.html
No license file was found, but licenses were detected in source scan.

```
#!/usr/bin/tclsh.docsrc
#### Import of wapp.tcl
# Copyright (c) 2017 D. Richard Hipp
#
# This program is free software; you can redistribute it and/or
# modify it under the terms of the Simplified BSD License (also
# known as the "2-Clause License" or "FreeBSD License".)
#
# 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.
#
#-------------------------------------------------------------------------
#
# Design rules:
#
#   (1)  All identifiers in the global namespace begin with "wapp"
#
#   (2)  Indentifiers intended for internal use only begin with "wappInt"
#

# Add text to the end of the HTTP reply.  No interpretation or transformation
# of the text is performs.  The argument should be enclosed within {...}
#
proc wapp {txt} {
 global wapp
 dict append wapp .reply $txt
}

# Add
```

```
 text to the page under construction.  Do no escaping on the text.
#
# Though "unsafe" in general, there are uses for this kind of thing.
# For example, if you want to return the complete, unmodified content of
# a file:
#
#       set fd [open content.html rb]
#       wapp-unsafe [read $fd]
#       close $fd
#
# You could do the same thing using ordinary "wapp" instead of "wapp-unsafe".
# The difference is that wapp-safety-check will complain about the misuse
# of "wapp", but it assumes that the person who write "wapp-unsafe" understands
# the risks.
#
# Though occasionally necessary, the use of this interface should be minimized.
#
proc wapp-unsafe {txt} {
 global wapp
 dict append wapp .reply $txt
}

# Add text to the end of the reply under construction.  The following
# substitutions are made:
#
#    %html(...)         Escape text for inclusion in HTML
#    %url(...)          Escape text for use as a URL
#    %qp(...)           Escape text for use as a URI query parameter
#
    %string(...)       Escape text for use within a JSON string
#    %unsafe(...)       No transformations of the text
#
# The substitutions above terminate at the first ")" character.  If the
# text of the TCL string in ... contains ")" characters itself, use instead:
#
#    %html%(...)%
#    %url%(...)%
#    %qp%(...)%
#    %string%(...)%
#    %unsafe%(...)%
#
# In other words, use "%(...)%" instead of "(...)" to include the TCL string
# to substitute.
#
# The %unsafe substitution should be avoided whenever possible, obviously.
# In addition to the substitutions above, the text also does backslash
# escapes.
#
```

```
proc wapp-subst {txt} {
 global wapp
 regsub -all {%(html|url|qp|string|unsafe){1,1}?(|%)\((.+)\)\2} $txt \
       {[wappInt-enc-\1 "\3"]} txt
 dict append wapp .reply [uplevel 1 [list subst -novariables $txt]]
}

# Works like wapp-subst, but also removes whitespace from the beginning
# of lines.
#
proc wapp-trim {txt} {
 global wapp
 regsub -all {\n\s+} [string
 trim $txt] \n txt
 regsub -all {%(html|url|qp|string|unsafe){1,1}?(|%)\((.+)\)\2} $txt \
       {[wappInt-enc-\1 "\3"]} txt
 dict append wapp .reply [uplevel 1 [list subst -novariables $txt]]
}

# There must be a wappInt-enc-NAME routine for each possible substitution
# in wapp-subst.  Thus there are routines for "html", "url", "qp", and "unsafe".
#
#    wappInt-enc-html          Escape text so that it is safe to use in the
#                              body of an HTML document.
#
#    wappInt-enc-url           Escape text so that it is safe to pass as an
#                              argument to href= and src= attributes in HTML.
#
#    wappInt-enc-qp            Escape text so that it is safe to use as the
#                              value of a query parameter in a URL or in
#                              post data or in a cookie.
#
#    wappInt-enc-string        Escape ", ', \, and < for using inside of a
#                              javascript string literal.
  The < character
#                              is escaped to prevent "</script>" from causing
#                              problems in embedded javascript.
#
#    wappInt-enc-unsafe        Perform no encoding at all.  Unsafe.
#
proc wappInt-enc-html {txt} {
 return [string map {& &amp; < &lt; > &gt; \" &quot; \\ &#92;} $txt]
}
proc wappInt-enc-unsafe {txt} {
 return $txt
}
proc wappInt-enc-url {s} {
 if {[regsub -all {[^-{}@~?=#_.:/a-zA-Z0-9]} $s {[wappInt-%HHchar {&}]} s]} {
```

```
  set s [subst -novar -noback $s]
 }
 if {[regsub -all {[{}]} $s {[wappInt-%HHchar \\&]} s]} {
  set s [subst -novar -noback $s]
 }
 return $s
}
proc wappInt-enc-qp {s} {
 if {[regsub -all {[^-{}_.a-zA-Z0-9]} $s {[wappInt-%HHchar {&}]} s]} {
  set s [subst -novar -noback $s]
 }
 if {[regsub -all {[{}]} $s {[wappInt-%HHchar \\&]} s]} {
  set s [subst -novar -noback $s]
 }
 return $s
}
proc wappInt-enc-string {s} {
 return [string map {\\ \\\\ \" \\\" ' \\' < \\u003c} $s]
}

# This is a
 helper routine for wappInt-enc-url and wappInt-enc-qp.  It returns
# an appropriate %HH encoding for the single character c.  If c is a unicode
# character, then this routine might return multiple bytes:  %HH%HH%HH
#
proc wappInt-%HHchar {c} {
 if {$c==" "} {return +}
 return [regsub -all .. [binary encode hex [encoding convertto utf-8 $c]] {%&}]
}



# Undo the www-url-encoded format.
#
# HT: This code stolen from ncgi.tcl
#
proc wappInt-decode-url {str} {
 set str [string map [list + { } "\\" "\\\\" \[ \\\[ \] \\\]] $str]
 regsub -all -- \
    {%([Ee][A-Fa-f0-9])%([89ABab][A-Fa-f0-9])%([89ABab][A-Fa-f0-9])} \
    $str {[encoding convertfrom utf-8 [binary decode hex \1\2\3]]} str
 regsub -all -- \
    {%([CDcd][A-Fa-f0-9])%([89ABab][A-Fa-f0-9])}                    \
    $str {[encoding convertfrom utf-8 [binary decode hex \1\2]]} str
 regsub -all -- {%([0-7][A-Fa-f0-9])} $str {\\u00\1} str
 return [subst -novar $str]
}

# Reset the document back to an empty string.
```

```
#
proc
 wapp-reset {} {
 global wapp
 dict set wapp .reply {}
}

# Change the mime-type of the result document.
#
proc wapp-mimetype {x} {
 global wapp
 dict set wapp .mimetype $x
}

# Change the reply code.
#
proc wapp-reply-code {x} {
 global wapp
 dict set wapp .reply-code $x
}

# Set a cookie
#
proc wapp-set-cookie {name value} {
 global wapp
 dict lappend wapp .new-cookies $name $value
}

# Unset a cookie
#
proc wapp-clear-cookie {name} {
 wapp-set-cookie $name {}
}

# Add extra entries to the reply header
#
proc wapp-reply-extra {name value} {
 global wapp
 dict lappend wapp .reply-extra $name $value
}

# Specifies how the web-page under construction should be cached.
# The argument should be one of:
#
#    no-cache
#    max-age=N            (for some integer number of seconds, N)
#    private,max-age=N
#
```

```
proc wapp-cache-control {x} {
 wapp-reply-extra Cache-Control $x
}

# Redirect to a different web page
#
proc wapp-redirect {uri} {
 wapp-reply-code {307 Redirect}
 wapp-reply-extra
 Location $uri
}

# Return the value of a wapp parameter
#
proc wapp-param {name {dflt {}}} {
 global wapp
 if {![dict exists $wapp $name]} {return $dflt}
 return [dict get $wapp $name]
}

# Return true if a and only if the wapp parameter $name exists
#
proc wapp-param-exists {name} {
 global wapp
 return [dict exists $wapp $name]
}

# Set the value of a wapp parameter
#
proc wapp-set-param {name value} {
 global wapp
 dict set wapp $name $value
}

# Return all parameter names that match the GLOB pattern, or all
# names if the GLOB pattern is omitted.
#
proc wapp-param-list {{glob {*}}} {
 global wapp
 return [dict keys $wapp $glob]
}

# By default, Wapp does not decode query parameters and POST parameters
# for cross-origin requests.  This is a security restriction, designed to
# help prevent cross-site request forgery (CSRF) attacks.
#
# As a consequence of this restriction, URLs for sites generated by Wapp
# that contain query parameters will not work as URLs
```

```
 found in other
# websites.  You cannot create a link from a second website into a Wapp
# website if the link contains query planner, by default.
#
# Of course, it is sometimes desirable to allow query parameters on external
# links.  For URLs for which this is safe, the application should invoke
# wapp-allow-xorigin-params.  This procedure tells Wapp that it is safe to
# go ahead and decode the query parameters even for cross-site requests.
#
# In other words, for Wapp security is the default setting.  Individual pages
# need to actively disable the cross-site request security if those pages
# are safe for cross-site access.
#
proc wapp-allow-xorigin-params {} {
 global wapp
 if {![dict exists $wapp .qp] && ![dict get $wapp SAME_ORIGIN]} {
   wappInt-decode-query-params
 }
}

# Set the content-security-policy.
#
# The default content-security-policy is very strict:  "default-src 'self'"
# The default policy prohibits the use of in-line javascript or CSS.
#
# Provide an alternative
 CSP as the argument.  Or use "off" to disable
# the CSP completely.
#
proc wapp-content-security-policy {val} {
 global wapp
 if {$val=="off"} {
   dict unset wapp .csp
 } else {
   dict set wapp .csp $val
 }
}

# Examine the bodys of all procedures in this program looking for
# unsafe calls to various Wapp interfaces.  Return a text string
# containing warnings. Return an empty string if all is ok.
#
# This routine is advisory only.  It misses some constructs that are
# dangerous and flags others that are safe.
#
proc wapp-safety-check {} {
 set res {}
 foreach p [info procs] {
```

```
  set ln 0
  foreach x [split [info body $p] \n] {
    incr ln
    if {[regexp {^[ \t]*wapp[ \t]+([^\n]+)} $x all tail]
     && [string index $tail 0]!="\173"
     && [regexp {[[$]} $tail]
    } {
      append res "$p:$ln: unsafe \"wapp\" call: \"[string trim $x]\"\n"
    }
    if {[regexp {^[ \t]*wapp-(subst|trim)[ \t]+[^\173]} $x all cx]} {
      append res "$p:$ln: unsafe \"wapp-$cx\"
 call: \"[string trim $x]\"\n"
    }
  }
 }
 return $res
}

# Return a string that descripts the current environment.  Applications
# might find this useful for debugging.
#
proc wapp-debug-env {} {
 global wapp
 set out {}
 foreach var [lsort [dict keys $wapp]] {
   if {[string index $var 0]=="."} continue
   append out "$var = [list [dict get $wapp $var]]\n"
 }
 append out "\[pwd\] = [list [pwd]]\n"
 return $out
}

# Tracing function for each HTTP request.  This is overridden by wapp-start
# if tracing is enabled.
#
proc wappInt-trace {} {}

# Start up a listening socket.  Arrange to invoke wappInt-new-connection
# for each inbound HTTP connection.
#
#    port           Listen on this TCP port.  0 means to select a port
#                   that is not currently in use
#
#    wappmode       One of "scgi", "server", or "local".
#
proc wappInt-start-listener {port wappmode} {
 if {$wappmode=="scgi"} {
   set type SCGI
```

```
  set server [list wappInt-new-connection
 wappInt-scgi-readable $wappmode]
 } else {
  set type HTTP
  set server [list wappInt-new-connection wappInt-http-readable $wappmode]
 }
 if {$wappmode=="local"} {
  set x [socket -server $server -myaddr 127.0.0.1 $port]
 } else {
  set x [socket -server $server $port]
 }
 set coninfo [chan configure $x -sockname]
 set port [lindex $coninfo 2]
 if {$wappmode=="local"} {
  wappInt-start-browser http://127.0.0.1:$port/
 } else {
  puts "Listening for $type requests on TCP port $port"
 }
}

# Start a web-browser and point it at $URL
#
proc wappInt-start-browser {url} {
 global tcl_platform
 if {$tcl_platform(platform)=="windows"} {
  exec cmd /c start $url &
 } elseif {$tcl_platform(os)=="Darwin"} {
  exec open $url &
 } elseif {[catch {exec xdg-open $url}]} {
  exec firefox $url &
 }
}

# This routine is a "socket -server" callback.  The $chan, $ip, and $port
# arguments are added by the socket command.
#
# Arrange to invoke $callback when content is available
 on the new socket.
# The $callback will process inbound HTTP or SCGI content.
#
proc wappInt-new-connection {callback wappmode chan ip port} {
 upvar #0 wappInt-$chan W
 set W [dict create REMOTE_ADDR $ip REMOTE_PORT $port WAPP_MODE $wappmode \
       .header {}]
 fconfigure $chan -blocking 0 -translation binary
 fileevent $chan readable [list $callback $chan]
}
```

```
# Close an input channel
#
proc wappInt-close-channel {chan} {
 if {$chan=="stdout"} {
   # This happens after completing a CGI request
   exit 0
 } else {
   unset ::wappInt-$chan
   close $chan
 }
}

# Process new text received on an inbound HTTP request
#
proc wappInt-http-readable {chan} {
 if {[catch [list wappInt-http-readable-unsafe $chan] msg]} {
   puts stderr "$msg\n$::errorInfo"
   wappInt-close-channel $chan
 }
}
proc wappInt-http-readable-unsafe {chan} {
 upvar #0 wappInt-$chan W wapp wapp
 if {![dict exists $W .toread]} {
   # If the .toread key is not set, that means we are still reading
    # the header
   set line [string trimright [gets $chan]]
   set n [string length $line]
   if {$n>0} {
     if {[dict get $W .header]=="" || [regexp {^\s+} $line]} {
       dict append W .header $line
     } else {
       dict append W .header \n$line
     }
     if {[string length [dict get $W .header]]>100000} {
       error "HTTP request header too big - possible DOS attack"
     }
   } elseif {$n==0} {
     # We have reached the blank line that terminates the header.
     global argv0
     set a0 [file normalize $argv0]
     dict set W SCRIPT_FILENAME $a0
     dict set W DOCUMENT_ROOT [file dir $a0]
     if {[wappInt-parse-header $chan]} {
       catch {close $chan}
       return
     }
     set len 0
     if {[dict exists $W CONTENT_LENGTH]} {
```

```
      set len [dict get $W CONTENT_LENGTH]
    }
    if {$len>0} {
      # Still need to read the query content
      dict set W .toread $len
    } else {
      # There is no query content, so handle
 the request immediately
      set wapp $W
      wappInt-handle-request $chan 0
    }
  }
 } else {
  # If .toread is set, that means we are reading the query content.
  # Continue reading until .toread reaches zero.
  set got [read $chan [dict get $W .toread]]
  dict append W CONTENT $got
  dict set W .toread [expr {[dict get $W .toread]-[string length $got]}]
  if {[dict get $W .toread]<=0} {
    # Handle the request as soon as all the query content is received
    set wapp $W
    wappInt-handle-request $chan 0
  }
 }
}

# Decode the HTTP request header.
#
# This routine is always running inside of a [catch], so if
# any problems arise, simply raise an error.
#
proc wappInt-parse-header {chan} {
 upvar #0 wappInt-$chan W
 set hdr [split [dict get $W .header] \n]
 if {$hdr==""} {return 1}
 set req [lindex $hdr 0]
 dict set W REQUEST_METHOD [set method [lindex $req 0]]
 if {[lsearch {GET HEAD POST} $method]<0} {
  error "unsupported request method:
 \"[dict get $W REQUEST_METHOD]\""
 }
 set uri [lindex $req 1]
 set split_uri [split $uri ?]
 set uri0 [lindex $split_uri 0]
 if {![regexp {^/[-.a-z0-9_/]*$} $uri0]} {
  error "invalid request uri: \"$uri0\""
 }
 dict set W REQUEST_URI $uri0
```

```
 dict set W PATH_INFO $uri0
 set uri1 [lindex $split_uri 1]
 dict set W QUERY_STRING $uri1
 set n [llength $hdr]
 for {set i 1} {$i<$n} {incr i} {
  set x [lindex $hdr $i]
  if {![regexp {^(.+): +(.*)$} $x all name value]} {
   error "invalid header line: \"$x\""
  }
  set name [string toupper $name]
  switch -- $name {
   REFERER {set name HTTP_REFERER}
   USER-AGENT {set name HTTP_USER_AGENT}
   CONTENT-LENGTH {set name CONTENT_LENGTH}
   CONTENT-TYPE {set name CONTENT_TYPE}
   HOST {set name HTTP_HOST}
   COOKIE {set name HTTP_COOKIE}
   ACCEPT-ENCODING {set name HTTP_ACCEPT_ENCODING}
   default {set name .hdr:$name}
  }
  dict set W $name $value
 }
 return 0
}

# Decode the QUERY_STRING
 parameters from a GET request or the
# application/x-www-form-urlencoded CONTENT from a POST request.
#
# This routine sets the ".qp" element of the ::wapp dict as a signal
# that query parameters have already been decoded.
#
proc wappInt-decode-query-params {} {
 global wapp
 dict set wapp .qp 1
 if {[dict exists $wapp QUERY_STRING]} {
  foreach qterm [split [dict get $wapp QUERY_STRING] &] {
   set qsplit [split $qterm =]
   set nm [lindex $qsplit 0]
   if {[regexp {^[a-z][a-z0-9]*$} $nm]} {
    dict set wapp $nm [wappInt-decode-url [lindex $qsplit 1]]
   }
  }
 }
 if {[dict exists $wapp CONTENT_TYPE] && [dict exists $wapp CONTENT]} {
  set ctype [dict get $wapp CONTENT_TYPE]
  if {$ctype=="application/x-www-form-urlencoded"} {
   foreach qterm [split [string trim [dict get $wapp CONTENT]] &] {
```

```
      set qsplit [split $qterm =]
      set nm [lindex $qsplit 0]
      if {[regexp {^[a-z][-a-z0-9_]*$} $nm]} {
        dict set wapp $nm [wappInt-decode-url
[lindex $qsplit 1]]
      }
    }
  } elseif {[string match multipart/form-data* $ctype]} {
    regexp {^(.*?)\r\n(.*)$} [dict get $wapp CONTENT] all divider body
    set ndiv [string length $divider]
    while {[string length $body]} {
      set idx [string first $divider $body]
      set unit [string range $body 0 [expr {$idx-3}]]
      set body [string range $body [expr {$idx+$ndiv+2}] end]
      if {[regexp {^Content-Disposition: form-data; (.*?)\r\n\r\n(.*)$} \
          $unit unit hdr content] &&
         [regexp {name="(.*)"; filename="(.*)"\r\nContent-Type: (.*?)$}\
           $hdr hr name filename mimetype]} {
        dict set wapp $name.filename \
          [string map [list \\\" \" \\\\ \\] $filename]
        dict set wapp $name.mimetype $mimetype
        dict set wapp $name.content $content
      }
    }
  }
 }
}

# Invoke application-supplied methods to generate a reply to
# a single HTTP request.
#
# This routine always
 runs within [catch], so handle exceptions by
# invoking [error].
#
proc wappInt-handle-request {chan useCgi} {
 global wapp
 dict set wapp .reply {}
 dict set wapp .mimetype {text/html; charset=utf-8}
 dict set wapp .reply-code {200 Ok}
 dict set wapp .csp {default-src 'self'}

 # Set up additional CGI environment values
 #
 if {![dict exists $wapp HTTP_HOST]} {
   dict set wapp BASE_URL {}
 } elseif {[dict exists $wapp HTTPS]} {
   dict set wapp BASE_URL https://[dict get $wapp HTTP_HOST]
```

```
} else {
  dict set wapp BASE_URL http://[dict get $wapp HTTP_HOST]
}
if {![dict exists $wapp REQUEST_URI]} {
  dict set wapp REQUEST_URI /
} elseif {[regsub {\?.*} [dict get $wapp REQUEST_URI] {} newR]} {
  # Some servers (ex: nginx) append the query parameters to REQUEST_URI.
  # These need to be stripped off
  dict set wapp REQUEST_URI $newR
}
if {[dict exists $wapp SCRIPT_NAME]} {
  dict append wapp BASE_URL [dict get $wapp SCRIPT_NAME]
} else {
  dict set wapp
SCRIPT_NAME {}
}
if {![dict exists $wapp PATH_INFO]} {
  # If PATH_INFO is missing (ex: nginx) the construct it
  set URI [dict get $wapp REQUEST_URI]
  set skip [string length [dict get $wapp SCRIPT_NAME]]
  dict set wapp PATH_INFO [string range $URI $skip end]
}
if {[regexp {^/([^/]+)(.*)$} [dict get $wapp PATH_INFO] all head tail]} {
  dict set wapp PATH_HEAD $head
  dict set wapp PATH_TAIL [string trimleft $tail /]
} else {
  dict set wapp PATH_INFO {}
  dict set wapp PATH_HEAD {}
  dict set wapp PATH_TAIL {}
}
dict set wapp SELF_URL [dict get $wapp BASE_URL]/[dict get $wapp PATH_HEAD]

# Parse query parameters from the query string, the cookies, and
# POST data
#
if {[dict exists $wapp HTTP_COOKIE]} {
  foreach qterm [split [dict get $wapp HTTP_COOKIE] {;}] {
    set qsplit [split [string trim $qterm] =]
    set nm [lindex $qsplit 0]
    if {[regexp {^[a-z][-a-z0-9_]*$} $nm]} {
      dict set wapp $nm [wappInt-decode-url [lindex
$qsplit 1]]
    }
  }
}
set same_origin 0
if {[dict exists $wapp HTTP_REFERER]} {
  set referer [dict get $wapp HTTP_REFERER]
```

```
  set base [dict get $wapp BASE_URL]
  if {$referer==$base || [string match $base/* $referer]} {
    set same_origin 1
  }
}
dict set wapp SAME_ORIGIN $same_origin
if {$same_origin} {
  wappInt-decode-query-params
}

# Invoke the application-defined handler procedure for this page
# request.  If an error occurs while running that procedure, generate
# an HTTP reply that contains the error message.
#
wapp-before-dispatch-hook
wappInt-trace
set mname [dict get $wapp PATH_HEAD]
if {[catch {
  if {$mname!="" && [llength [info proc wapp-page-$mname]]>0} {
    wapp-page-$mname
  } else {
    wapp-default
  }
} msg]} {
  if {[wapp-param WAPP_MODE]=="local" || [wapp-param WAPP_MODE]=="server"} {
    puts "ERROR: $::errorInfo"
  }
  wapp-reset
  wapp-reply-code "500 Internal Server Error"
  wapp-mimetype
text/html
  wapp-trim {
    <h1>Wapp Application Error</h1>
    <pre>%html($::errorInfo)</pre>
  }
  dict unset wapp .new-cookies
}

# Transmit the HTTP reply
#
if {$chan=="stdout"} {
  puts $chan "Status: [dict get $wapp .reply-code]\r"
} else {
  puts $chan "HTTP/1.1 [dict get $wapp .reply-code]\r"
  puts $chan "Server: wapp\r"
  puts $chan "Connection: close\r"
}
if {[dict exists $wapp .reply-extra]} {
```

```
  foreach {name value} [dict get $wapp .reply-extra] {
    puts $chan "$name: $value\r"
  }
 }
 if {[dict exists $wapp .csp]} {
  puts $chan "Content-Security-Policy: [dict get $wapp .csp]\r"
 }
 set mimetype [dict get $wapp .mimetype]
 puts $chan "Content-Type: $mimetype\r"
 if {[dict exists $wapp .new-cookies]} {
  foreach {nm val} [dict get $wapp .new-cookies] {
    if {[regexp {^[a-z][-a-z0-9_]*$} $nm]} {
      if {$val==""} {
        puts $chan "Set-Cookie: $nm=; HttpOnly; Path=/; Max-Age=1\r"
      } else {
        set
 val [wappInt-enc-url $val]
        puts $chan "Set-Cookie: $nm=$val; HttpOnly; Path=/\r"
      }
    }
  }
 }
 if {[string match text/* $mimetype]} {
  set reply [encoding convertto utf-8 [dict get $wapp .reply]]
  if {[regexp {\ygzip\y} [wapp-param HTTP_ACCEPT_ENCODING]]} {
    catch {
      set x [zlib gzip $reply]
      set reply $x
      puts $chan "Content-Encoding: gzip\r"
    }
  }
 } else {
  set reply [dict get $wapp .reply]
 }
 puts $chan "Content-Length: [string length $reply]\r"
 puts $chan \r
 puts $chan $reply
 flush $chan
 wappInt-close-channel $chan
}

# This routine runs just prior to request-handler dispatch.  The
# default implementation is a no-op, but applications can override
# to do additional transformations or checks.
#
proc wapp-before-dispatch-hook {} {return}

# Process a single CGI request
```

```
#
proc wappInt-handle-cgi-request {} {
 global wapp env
 foreach key {
  CONTENT_LENGTH
  CONTENT_TYPE
  DOCUMENT_ROOT
  HTTP_ACCEPT_ENCODING
   HTTP_COOKIE
  HTTP_HOST
  HTTP_REFERER
  HTTP_USER_AGENT
  HTTPS
  PATH_INFO
  QUERY_STRING
  REMOTE_ADDR
  REQUEST_METHOD
  REQUEST_URI
  REMOTE_USER
  SCRIPT_FILENAME
  SCRIPT_NAME
  SERVER_NAME
  SERVER_PORT
  SERVER_PROTOCOL
 } {
  if {[info exists env($key)]} {
    dict set wapp $key $env($key)
  }
 }
 set len 0
 if {[dict exists $wapp CONTENT_LENGTH]} {
  set len [dict get $wapp CONTENT_LENGTH]
 }
 if {$len>0} {
  fconfigure stdin -translation binary
  dict set wapp CONTENT [read stdin $len]
 }
 dict set wapp WAPP_MODE cgi
 fconfigure stdout -translation binary
 wappInt-handle-request stdout 1
}

# Process new text received on an inbound SCGI request
#
proc wappInt-scgi-readable {chan} {
 if {[catch [list wappInt-scgi-readable-unsafe $chan] msg]} {
  puts stderr "$msg\n$::errorInfo"
  wappInt-close-channel $chan
```

```
 }
}
proc wappInt-scgi-readable-unsafe {chan} {
 upvar #0 wappInt-$chan W wapp wapp
 if
 {![dict exists $W .toread]} {
  # If the .toread key is not set, that means we are still reading
  # the header.
  #
  # An SGI header is short.  This implementation assumes the entire
  # header is available all at once.
  #
  set req [read $chan 15]
  set n [string length $req]
  scan $req %d:%s len hdr
  incr len [string length "$len:,"]
  append hdr [read $chan [expr {$len-15}]]
  foreach {nm val} [split $hdr \000] {
   if {$nm==""} break
   dict set W $nm $val
  }
  set len 0
  if {[dict exists $W CONTENT_LENGTH]} {
   set len [dict get $W CONTENT_LENGTH]
  }
  if {$len>0} {
   # Still need to read the query content
   dict set W .toread $len
  } else {
   # There is no query content, so handle the request immediately
   set wapp $W
   wappInt-handle-request $chan 0
  }
 } else {
  # If .toread is set, that means we are reading the query content.
  # Continue reading until .toread reaches zero.
  set got [read
$chan [dict get $W .toread]]
  dict append W CONTENT $got
  dict set W .toread [expr {[dict get $W .toread]-[string length $got]}]
  if {[dict get $W .toread]<=0} {
   # Handle the request as soon as all the query content is received
   set wapp $W
   wappInt-handle-request $chan 0
  }
 }
}
```

```
# Start up the wapp framework.  Parameters are a list passed as the
# single argument.
#
#    -server $PORT         Listen for HTTP requests on this TCP port $PORT
#
#    -local $PORT          Listen for HTTP requests on 127.0.0.1:$PORT
#
#    -scgi $PORT           Listen for SCGI requests on TCP port $PORT
#
#    -cgi                  Handle a single CGI request
#
# With no arguments, the behavior is called "auto".  In "auto" mode,
# if the GATEWAY_INTERFACE environment variable indicates CGI, then run
# as CGI.  Otherwise, start an HTTP server bound to the loopback address
# only, on an arbitrary TCP port, and automatically launch a web browser
# on that TCP port.
#
# Additional
 options:
#
#    -trace                "puts" each request URL as it is handled, for
#                          debugging
#
#    -lint                 Run wapp-safety-check on the application instead
#                          of running the application itself
#
#    -Dvar=value           Set TCL global variable "var" to "value"
#
#
proc wapp-start {arglist} {
 global env
 set mode auto
 set port 0
 set n [llength $arglist]
 for {set i 0} {$i<$n} {incr i} {
  set term [lindex $arglist $i]
  if {[string match --* $term]} {set term [string range $term 1 end]}
  switch -glob -- $term {
    -server {
      incr i;
      set mode "server"
      set port [lindex $arglist $i]
    }
    -local {
      incr i;
      set mode "local"
      set port [lindex $arglist $i]
    }
```

```
    -scgi {
      incr i;
      set mode "scgi"
      set port [lindex $arglist $i]
    }
    -cgi {
      set mode "cgi"
    }
    -trace {
      proc wappInt-trace {} {

    set q [wapp-param QUERY_STRING]
        set uri [wapp-param BASE_URL][wapp-param PATH_INFO]
        if {$q!=""} {append uri ?$q}
        puts $uri
      }
    }
    -lint {
      set res [wapp-safety-check]
      if {$res!=""} {
        puts "Potential problems in this code:"
        puts $res
        exit 1
      } else {
        exit
      }
    }
    -D*=* {
      if {[regexp {^.D([^=]+)=(.*)$} $term all var val]} {
        set ::$var $val
      }
    }
    default {
      error "unknown option: $term"
    }
  }
}
if {($mode=="auto"
     && [info exists env(GATEWAY_INTERFACE)]
     && [string match CGI/1.* $env(GATEWAY_INTERFACE)])
  || $mode=="cgi"
} {
  wappInt-handle-cgi-request
  return
}
if {$mode=="scgi"} {
  wappInt-start-listener $port scgi
} elseif {$mode=="server"} {
```

```
  wappInt-start-listener $port server
 } else {
  wappInt-start-listener $port local
 }
 vwait ::forever
}

# Call this version
 1.0
package provide wapp 1.0

#### End of wapp.tcl

# Generate all header content for the output document
#
proc search_header {} {
 wapp-trim {
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
<html><head>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="content-type" content="text/html; charset=UTF-8">
<link href="sqlite.css" rel="stylesheet">
<title>Search SQLite Documentation</title>
<!-- path= -->
</head>
<body>
<div class=nosearch>
<a href="index.html">
<img class="logo" src="images/sqlite370_banner.gif" alt="SQLite" border="0">
</a>
<div><!-- IE hack to prevent disappearing logo --></div>
<div class="tagline desktoponly">
Small. Fast. Reliable.<br>Choose any three.
</div>
<div class="menu mainmenu">
<ul>
<li><a href="index.html">Home</a>
<li class='mobileonly'><a href="javascript:void(0)" onclick='toggle_div("submenu")'>Menu</a>
<li class='wideonly'><a href='about.html'>About</a>
<li class='desktoponly'><a
 href="docs.html">Documentation</a>
<li class='desktoponly'><a href="download.html">Download</a>
<li class='wideonly'><a href='copyright.html'>License</a>
<li class='desktoponly'><a href="support.html">Support</a>
<li class='desktoponly'><a href="prosupport.html">Purchase</a>
<li class='search' id='search_menubutton'>
<a href="javascript:void(0)" onclick='toggle_search()'>Search</a>
</ul>
```

```
</div>
<div class="menu submenu" id="submenu">
<ul>
<li><a href='about.html'>About</a>
<li><a href='docs.html'>Documentation</a>
<li><a href='download.html'>Download</a>
<li><a href='support.html'>Support</a>
<li><a href='prosupport.html'>Purchase</a>
</ul>
</div>
<div class="searchmenu" id="searchmenu">
<form method="GET" action="search">
<select name="s" id="searchtype">
<option value="d">Search Documentation</option>
<option value="c">Search Changelog</option>
</select>
<input type="text" name="q" id="searchbox" value="">
<input type="submit" value="Go">
</form>
</div>
</div>
<script>
function
 toggle_div(nm) {
var w = document.getElementById(nm);
if( w.style.display=="block" ){
w.style.display = "none";
}else{
w.style.display = "block";
}
}
function toggle_search() {
var w = document.getElementById("searchmenu");
if( w.style.display=="block" ){
w.style.display = "none";
} else {
w.style.display = "block";
setTimeout(function(){
document.getElementById("searchbox").focus()
}, 30);
}
}
function div_off(nm){document.getElementById(nm).style.display="none";}
window.onbeforeunload = function(e){div_off("submenu");}
/* Disable the Search feature if we are not operating from CGI, since */
/* Search is accomplished using CGI and will not work without it. */
if( !location.origin.match || !location.origin.match(/http/) ){
document.getElementById("search_menubutton").style.display = "none";
```

```
}
/* Used by the Hide/Show button beside syntax diagrams, to toggle the */
function hideorshow(btn,obj){
var x = document.getElementById(obj);
var b = document.getElementById(btn);
if( x.style.display!='none'
 ){
x.style.display = 'none';
b.innerHTML='show';
}else{
x.style.display = '';
b.innerHTML='hide';
}
return false;
}
</script>
</div>
 }
}

#---------------------------------------------------------------------------
# Add an entry to the log database for the current query. Which
# returns $nRes results.
#
proc search_add_log_entry {nRes} {
 if {[wapp-param-exists donotlog]} return
 sqlite3 db2 [file dir [wapp-param SCRIPT_FILENAME]]/search.d/searchlog.db
 db2 timeout 10000
 set ip [wapp-param REMOTE_ADDR]
 set query [wapp-param q]
 db2 eval {
   PRAGMA synchronous=OFF;
   PRAGMA journal_mode=OFF;
   BEGIN;
     CREATE TABLE IF NOT EXISTS log(
       ip,                -- IP query was made from
       query,               -- Fts5 query string
       nres,               -- Number of results
       timestamp DEFAULT CURRENT_TIMESTAMP
     );
     INSERT INTO log(ip, query, nres) VALUES($ip, $query, $nRes);
   COMMIT;
 }
 db2 close
}

#---------------------------------------------------------------------------
#
```

```
 This command is similar to the builtin Tcl [time] command, except that
# it only ever runs the supplied script once. Also, instead of returning
# a string like "xxx microseconds per iteration", it returns "x.yy ms" or
# "x.yy s", depending on the magnitude of the time spent running the
# command. For example:
#
#   % ttime {after 1500}
#   1.50 s
#   % ttime {after 45}
#   45.02 ms
#
proc ttime {script} {
 set t [lindex [time [list uplevel $script]] 0]
 if {$t>1000000} { return [format "%.2f s" [expr {$t/1000000.0}]] }
 return [format "%.2f ms" [expr {$t/1000.0}]]
}

#---------------------------------------------------------------------------
# Do a search of the change log
#
proc searchchanges {} {
 set q [wapp-param q]
 if {$q==""} {return {}}
 set open {<span style="background-color:#d9f2e6">}
 set close {</span>}
 set query {
  SELECT url, version, idx, highlight(change, 3, $open, $close) AS text
  FROM change($q)
 ORDER BY rowid ASC
 }
 wapp-trim {
  <p>Change log entries mentioning: <b>%html($q)</b>
  <table border=0>
 }
 set s2 "style=\"margin-top:0\""
 set s1 "style=\"font-size:larger; text-align:left\" class=nounderline"
 set prev ""
 db eval $query {
  if {$prev!=$version} {
    wapp-trim {
      <tr> <td %unsafe($s1) valign=top> <a href='%url($url)'>%html($version)</a>
      <td> <ul %unsafe($s2)>
    }
    set prev $version
  }
  wapp-subst {<li value=%html($idx)> (%html($idx)) %unsafe($text)\n}
 }
 wapp-trim {
```

```
  </table>
  <center><p>You can also see the <a href=changes.html>entire
  changelog as a single page</a> if you wish.</center>
 }
}

#---------------------------------------------------------------------------
# Do a search over all documentation other than the change log
#
proc searchresults {} {
 set q [wapp-param q]
 if {$q==""} {return ""}

 # Count the "" characters in $::A(q). If there is an odd number of
 # occurences, add a " to the
 end of the query so that fts5 can parse
 # it without error.
 if {[regexp -all \x22 $q] % 2} { append q \x22 }

 # Set iStart to the index of the first result to display. Results are
 # indexed starting at zero from most to least relevant.
 #
 set iStart 0
 catch {set iStart [expr {[wapp-param i 0]*10}]}

 # Grab a list of rowid results.
 #
 set sql {
  SELECT rowid FROM page WHERE page MATCH $q
  ORDER BY srank(page) DESC,
  rank * COALESCE(
    (SELECT percent FROM weight WHERE id=page.rowid), 100
  );
 }
 if {[catch { set lRowid [db eval $sql] }]} {
  set x ""
  foreach word [split $q " "] {
    append x " \"[string map [list "\"" "\"\""] $word]\""
  }
  set q [string trim $x]
  set lRowid [db eval $sql]
 }

 set lRes [list]
 foreach rowid $lRowid {
  if {$rowid > 1000} {
    set parent [expr $rowid / 1000]
    lappend subsections($parent) $rowid
```

```
  } else {
    lappend lRes $rowid
  }
}

set nRes [llength $lRes]
set lRes [lrange
$lRes $iStart [expr $iStart+9]]

# Add an entry to the log database.
#
search_add_log_entry $nRes

# If there are no results, return a message to that effect.
#
if {[llength $lRes] == 0} {
  wapp-subst {<p>No Results for: <b>%html($q)</b>\n}
}

# HTML markup used to highlight keywords within FTS5 generated snippets.
#
set open {<span style="background-color:#d9f2e6">}
set close {</span>}
set ellipsis {<b> ... </b>}

# Grab the required data
#
db eval [string map [list %LIST% [join $lRowid ,]] {
  SELECT
    rowid AS parentid,
    snippet(page, 0, $open, $close, $ellipsis, 6)  AS s_apis,
    snippet(page, 2, $open, $close, '', 40)        AS s_title1,
    snippet(page, 3, $open, $close, $ellipsis, 40) AS s_title2,
    snippet(page, 4, $open, $close, $ellipsis, 40) AS s_content,
    url, rank
  FROM page($q)
  WHERE rowid IN (%LIST%)
}] X {
  foreach k [array names X] { set data($X(parentid),$k) [set X($k)] }
}

set
i1 [expr {$iStart+1}]
set i2 [expr {($nRes < $iStart+10) ? $nRes : $iStart+10}]
wapp-trim {
  <table border=0>
  <p>Search results %html($i1)..%html($i2) of %html($nRes) for: <b>%html($q)</b>
}
```

```
foreach rowid $lRes {

 foreach a {parentid s_apis s_title1 s_content url rank} {
  set $a $data($rowid,$a)
 }

 if {[info exists subsections($parentid)]} {
  set childid [lindex $subsections($parentid) 0]
  set link $data($childid,url)
  set hdr $data($childid,s_title2)

  if {$hdr==""} {
   set s_content ""
  } else {
   set s_content [subst {
    <b><a style=color:#044a64 href=$link>$hdr</a></b>
   }]
  }

  append s_content " $data($childid,s_content)"
 }

 wapp-trim {<tr>
  <td valign=top style="line-height:150%">
   <div style="white-space:wrap;font-size:larger" class=nounderline>
    <a href="%url($url)">%unsafe($s_title1)</a>
    <div style="float:right;font-size:smaller;color:#BBB">(%url($url))</div>
   </div>
    <div style="margin-left: 10ex; font:larger monospace">%unsafe($s_apis)</div>
   <div style="margin-left: 4ex; margin-bottom:1.5em">
    %unsafe($s_content)
   </div>
  </td>
 }
}
wapp-subst {</table>\n}


# If the query returned more than 10 results, add up to 10 links to
# each set of 10 results (first link to results 1-10, second to 11-20,
# third to 21-30, as required).
#
if {$nRes>10} {
 set s(0) {border:solid #044a64 1px;padding:1ex;margin:1ex;line-height:300%;}
 set s(1) "$s(0);background:#044a64;color:white"
 wapp-subst {<center><p>\n}
 for {set i 0} {$i < 10 && ($i*10)<$nRes} {incr i} {
```

```
    set style $s([expr {($iStart/10)==$i}])
    wapp-trim {
      <a style="%html($style)"
         href="search?q=%qp($q)&i=%qp($i)">%html([expr $i+1])</a>
    }
  }
  wapp-subst {</center>\n}
 }
}

# This is the main entry point into the search result page generator
#
proc wapp-default
 {} {
 wapp-content-security-policy {default-src 'self' 'unsafe-inline'}
 wapp-allow-xorigin-params
 if {[wapp-param-exists env]} {
  search_header
  wapp-trim {
    <h1>Environment Dump For Debugging</h1>
    <pre>%html([wapp-debug-env])</pre>
  }
  return
 }

 # When running using the built-in webserver in Wapp (in other words,
 # when not running as CGI) any filename that contains a "." loads
 # directly from the filesystem.
 if {[wapp-param WAPP_MODE]!="cgi"
  && [string match *.* [wapp-param PATH_INFO]]
 } {
  set altfile [file dir [wapp-param SCRIPT_FILENAME]][wapp-param PATH_INFO]
  set fd [open $altfile rb]
  fconfigure $fd -translation binary
  wapp-unsafe [read $fd]
  close $fd
  switch -glob -- $altfile {
    *.html {
      wapp-mimetype text/html
    }
    *.css {
      wapp-mimetype text/css
    }
    *.gif {
      wapp-mimetype image/gif
    }
  }
  return
```

```
}

search_header
sqlite3 db [file dir [wapp-param SCRIPT_FILENAME]]/search.d/search.db
 set searchType [wapp-param s d]
if {$searchType=="c"} {
  set cmd searchchanges
} else {
  set cmd searchresults
}
db transaction {
  set t [ttime {$cmd}]
}
wapp-trim {
  <center>
  <p>Page generated by <a href='fts5.html'>FTS5</a> in about %html($t).
  </center>
  <script>
    window.addEventListener('load', function() {
      var w = document.getElementById("searchmenu");
      w.style.display = "block";
      w = document.getElementById("searchtype");
      w.value = "%string($searchType)"
      setTimeout(function(){
        var s = document.getElementById("searchbox");
        s.value = "%string([wapp-param q])"
        s.focus();
        s.select();
      }, 30);
    });
  </script>
}
}
wapp-start $argv
```

Found in path(s):
* /opt/cola/permits/1146776895_1616740027.09/0/sqlite3-3-27-2-orig-www-1-tar-xz/www/search
No license file was found, but licenses were detected in source scan.

without a shared lock, other processes are free to modify the database

Found in path(s):
* /opt/cola/permits/1146776895_1616740027.09/0/sqlite3-3-27-2-orig-www-1-tar-xz/www/atomiccommit.html
No license file was found, but licenses were detected in source scan.

Suppose the demo_data.boundary field holds some proprietary data description

Found in path(s):

* /opt/cola/permits/1146776895_1616740027.09/0/sqlite3-3-27-2-orig-www-1-tar-xz/www/rtree.html
No license file was found, but licenses were detected in source scan.

SQLite is open source, and is available in the public domain

Found in path(s):
* /opt/cola/permits/1146776895_1616740027.09/0/sqlite3-3-27-2-orig-www-1-tar-xz/www/books.html
No license file was found, but licenses were detected in source scan.

If N>0 then the connection is free to use more of the WAL file beyond

Found in path(s):
* /opt/cola/permits/1146776895_1616740027.09/0/sqlite3-3-27-2-orig-www-1-tar-xz/www/walformat.html
No license file was found, but licenses were detected in source scan.

public domain.

Found in path(s):
* /opt/cola/permits/1146776895_1616740027.09/0/sqlite3-3-27-2-orig-www-1-tar-xz/www/changes.html
No license file was found, but licenses were detected in source scan.

other proprietary or non-standard VFSes.

Found in path(s):
* /opt/cola/permits/1146776895_1616740027.09/0/sqlite3-3-27-2-orig-www-1-tar-xz/www/uri.html
No license file was found, but licenses were detected in source scan.

```
#!/usr/bin/tclsh.docsrc
#### Import of wapp.tcl
# Copyright (c) 2017 D. Richard Hipp
#
# This program is free software; you can redistribute it and/or
# modify it under the terms of the Simplified BSD License (also
# known as the "2-Clause License" or "FreeBSD License".)
#
# 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.
#
#-------------------------------------------------------------------------
#
# Design rules:
#
#   (1)  All identifiers in the global namespace begin with "wapp"
#
#   (2)  Indentifiers intended for internal use only begin with "wappInt"
#
```

```
# Add text to the end of the HTTP reply.  No interpretation or transformation
# of the text is performs.  The argument should be enclosed within {...}
#
proc wapp {txt} {
 global wapp
 dict append wapp .reply $txt
}

# Add
 text to the page under construction.  Do no escaping on the text.
#
# Though "unsafe" in general, there are uses for this kind of thing.
# For example, if you want to return the complete, unmodified content of
# a file:
#
#       set fd [open content.html rb]
#       wapp-unsafe [read $fd]
#       close $fd
#
# You could do the same thing using ordinary "wapp" instead of "wapp-unsafe".
# The difference is that wapp-safety-check will complain about the misuse
# of "wapp", but it assumes that the person who write "wapp-unsafe" understands
# the risks.
#
# Though occasionally necessary, the use of this interface should be minimized.
#
proc wapp-unsafe {txt} {
 global wapp
 dict append wapp .reply $txt
}

# Add text to the end of the reply under construction.  The following
# substitutions are made:
#
#    %html(...)         Escape text for inclusion in HTML
#    %url(...)          Escape text for use as a URL
#    %qp(...)           Escape text for use as a URI query parameter
#
    %string(...)       Escape text for use within a JSON string
#    %unsafe(...)       No transformations of the text
#
# The substitutions above terminate at the first ")" character.  If the
# text of the TCL string in ... contains ")" characters itself, use instead:
#
#    %html%(...)%
#    %url%(...)%
#    %qp%(...)%
#    %string%(...)%
```

```
#     %unsafe%(...)%
#
# In other words, use "%(...)%" instead of "(...)" to include the TCL string
# to substitute.
#
# The %unsafe substitution should be avoided whenever possible, obviously.
# In addition to the substitutions above, the text also does backslash
# escapes.
#
proc wapp-subst {txt} {
 global wapp
 regsub -all {%(html|url|qp|string|unsafe){1,1}?(|%)\((.+)\)\2} $txt \
       {[wappInt-enc-\1 "\3"]} txt
 dict append wapp .reply [uplevel 1 [list subst -novariables $txt]]
}

# Works like wapp-subst, but also removes whitespace from the beginning
# of lines.
#
proc wapp-trim {txt} {
 global wapp
 regsub -all {\n\s+} [string
 trim $txt] \n txt
 regsub -all {%(html|url|qp|string|unsafe){1,1}?(|%)\((.+)\)\2} $txt \
       {[wappInt-enc-\1 "\3"]} txt
 dict append wapp .reply [uplevel 1 [list subst -novariables $txt]]
}

# There must be a wappInt-enc-NAME routine for each possible substitution
# in wapp-subst.  Thus there are routines for "html", "url", "qp", and "unsafe".
#
#    wappInt-enc-html          Escape text so that it is safe to use in the
#                              body of an HTML document.
#
#    wappInt-enc-url           Escape text so that it is safe to pass as an
#                              argument to href= and src= attributes in HTML.
#
#    wappInt-enc-qp            Escape text so that it is safe to use as the
#                              value of a query parameter in a URL or in
#                              post data or in a cookie.
#
#    wappInt-enc-string        Escape ", ', \, and < for using inside of a
#                              javascript string literal.
  The < character
#                              is escaped to prevent "</script>" from causing
#                              problems in embedded javascript.
#
#    wappInt-enc-unsafe        Perform no encoding at all.  Unsafe.
```

```
#
proc wappInt-enc-html {txt} {
 return [string map {& &amp; < &lt; > &gt; \" &quot; \\ &#92;} $txt]
}
proc wappInt-enc-unsafe {txt} {
 return $txt
}
proc wappInt-enc-url {s} {
 if {[regsub -all {[^-{}@~?=#_.:/a-zA-Z0-9]} $s {[wappInt-%HHchar {&}]} s]} {
   set s [subst -novar -noback $s]
 }
 if {[regsub -all {[{}]} $s {[wappInt-%HHchar \\&]} s]} {
   set s [subst -novar -noback $s]
 }
 return $s
}
proc wappInt-enc-qp {s} {
 if {[regsub -all {[^-{}_.a-zA-Z0-9]} $s {[wappInt-%HHchar {&}]} s]} {
   set s [subst -novar -noback $s]
 }
 if {[regsub -all {[{}]} $s {[wappInt-%HHchar \\&]} s]} {
   set s [subst -novar -noback $s]
 }
 return $s
}
proc wappInt-enc-string {s} {
 return [string map {\\ \\\\ \" \\\" ' \\' < \\u003c} $s]
}

# This is a
 helper routine for wappInt-enc-url and wappInt-enc-qp.  It returns
# an appropriate %HH encoding for the single character c.  If c is a unicode
# character, then this routine might return multiple bytes:  %HH%HH%HH
#
proc wappInt-%HHchar {c} {
 if {$c==" "} {return +}
 return [regsub -all .. [binary encode hex [encoding convertto utf-8 $c]] {%&}]
}



# Undo the www-url-encoded format.
#
# HT: This code stolen from ncgi.tcl
#
proc wappInt-decode-url {str} {
 set str [string map [list + { } "\\" "\\\\" \[ \\\[ \] \\\]] $str]
 regsub -all -- \
    {%([Ee][A-Fa-f0-9])%([89ABab][A-Fa-f0-9])%([89ABab][A-Fa-f0-9])} \
```

```
    $str {[encoding convertfrom utf-8 [binary decode hex \1\2\3]]} str
 regsub -all -- \
    {%([CDcd][A-Fa-f0-9])%([89ABab][A-Fa-f0-9])}                    \
    $str {[encoding convertfrom utf-8 [binary decode hex \1\2]]} str
 regsub -all -- {%([0-7][A-Fa-f0-9])} $str {\\u00\1} str
 return [subst -novar $str]
}

# Reset the document back to an empty string.
#
proc
 wapp-reset {} {
 global wapp
 dict set wapp .reply {}
}

# Change the mime-type of the result document.
#
proc wapp-mimetype {x} {
 global wapp
 dict set wapp .mimetype $x
}

# Change the reply code.
#
proc wapp-reply-code {x} {
 global wapp
 dict set wapp .reply-code $x
}

# Set a cookie
#
proc wapp-set-cookie {name value} {
 global wapp
 dict lappend wapp .new-cookies $name $value
}

# Unset a cookie
#
proc wapp-clear-cookie {name} {
 wapp-set-cookie $name {}
}

# Add extra entries to the reply header
#
proc wapp-reply-extra {name value} {
 global wapp
 dict lappend wapp .reply-extra $name $value
```

```
}

# Specifies how the web-page under construction should be cached.
# The argument should be one of:
#
#    no-cache
#    max-age=N            (for some integer number of seconds, N)
#    private,max-age=N
#
proc wapp-cache-control {x} {
 wapp-reply-extra Cache-Control $x
}

# Redirect to a different web page
#
proc wapp-redirect {uri} {
 wapp-reply-code {307 Redirect}
 wapp-reply-extra
 Location $uri
}

# Return the value of a wapp parameter
#
proc wapp-param {name {dflt {}}} {
 global wapp
 if {![dict exists $wapp $name]} {return $dflt}
 return [dict get $wapp $name]
}

# Return true if a and only if the wapp parameter $name exists
#
proc wapp-param-exists {name} {
 global wapp
 return [dict exists $wapp $name]
}

# Set the value of a wapp parameter
#
proc wapp-set-param {name value} {
 global wapp
 dict set wapp $name $value
}

# Return all parameter names that match the GLOB pattern, or all
# names if the GLOB pattern is omitted.
#
proc wapp-param-list {{glob {*}}} {
 global wapp
```

```
 return [dict keys $wapp $glob]
}

# By default, Wapp does not decode query parameters and POST parameters
# for cross-origin requests.  This is a security restriction, designed to
# help prevent cross-site request forgery (CSRF) attacks.
#
# As a consequence of this restriction, URLs for sites generated by Wapp
# that contain query parameters will not work as URLs
 found in other
# websites.  You cannot create a link from a second website into a Wapp
# website if the link contains query planner, by default.
#
# Of course, it is sometimes desirable to allow query parameters on external
# links.  For URLs for which this is safe, the application should invoke
# wapp-allow-xorigin-params.  This procedure tells Wapp that it is safe to
# go ahead and decode the query parameters even for cross-site requests.
#
# In other words, for Wapp security is the default setting.  Individual pages
# need to actively disable the cross-site request security if those pages
# are safe for cross-site access.
#
proc wapp-allow-xorigin-params {} {
 global wapp
 if {![dict exists $wapp .qp] && ![dict get $wapp SAME_ORIGIN]} {
   wappInt-decode-query-params
 }
}

# Set the content-security-policy.
#
# The default content-security-policy is very strict:  "default-src 'self'"
# The default policy prohibits the use of in-line javascript or CSS.
#
# Provide an alternative
 CSP as the argument.  Or use "off" to disable
# the CSP completely.
#
proc wapp-content-security-policy {val} {
 global wapp
 if {$val=="off"} {
   dict unset wapp .csp
 } else {
   dict set wapp .csp $val
 }
}

# Examine the bodys of all procedures in this program looking for
```

```
# unsafe calls to various Wapp interfaces.  Return a text string
# containing warnings. Return an empty string if all is ok.
#
# This routine is advisory only.  It misses some constructs that are
# dangerous and flags others that are safe.
#
proc wapp-safety-check {} {
 set res {}
 foreach p [info procs] {
   set ln 0
   foreach x [split [info body $p] \n] {
     incr ln
     if {[regexp {^[ \t]*wapp[ \t]+([^\n]+)} $x all tail]
      && [string index $tail 0]!="\173"
      && [regexp {[[$]} $tail]
     } {
       append res "$p:$ln: unsafe \"wapp\" call: \"[string trim $x]\"\n"
     }
     if {[regexp {^[ \t]*wapp-(subst|trim)[ \t]+[^\173]} $x all cx]} {
       append res "$p:$ln: unsafe \"wapp-$cx\"
 call: \"[string trim $x]\"\n"
     }
   }
 }
 return $res
}

# Return a string that descripts the current environment.  Applications
# might find this useful for debugging.
#
proc wapp-debug-env {} {
 global wapp
 set out {}
 foreach var [lsort [dict keys $wapp]] {
   if {[string index $var 0]=="."} continue
   append out "$var = [list [dict get $wapp $var]]\n"
 }
 append out "\[pwd\] = [list [pwd]]\n"
 return $out
}

# Tracing function for each HTTP request.  This is overridden by wapp-start
# if tracing is enabled.
#
proc wappInt-trace {} {}

# Start up a listening socket.  Arrange to invoke wappInt-new-connection
# for each inbound HTTP connection.
```

```
#
#    port            Listen on this TCP port.  0 means to select a port
#                    that is not currently in use
#
#    wappmode        One of "scgi", "server", or "local".
#
proc wappInt-start-listener {port wappmode} {
 if {$wappmode=="scgi"} {
   set type SCGI
   set server [list wappInt-new-connection
 wappInt-scgi-readable $wappmode]
 } else {
   set type HTTP
   set server [list wappInt-new-connection wappInt-http-readable $wappmode]
 }
 if {$wappmode=="local"} {
   set x [socket -server $server -myaddr 127.0.0.1 $port]
 } else {
   set x [socket -server $server $port]
 }
 set coninfo [chan configure $x -sockname]
 set port [lindex $coninfo 2]
 if {$wappmode=="local"} {
   wappInt-start-browser http://127.0.0.1:$port/
 } else {
   puts "Listening for $type requests on TCP port $port"
 }
}

# Start a web-browser and point it at $URL
#
proc wappInt-start-browser {url} {
 global tcl_platform
 if {$tcl_platform(platform)=="windows"} {
   exec cmd /c start $url &
 } elseif {$tcl_platform(os)=="Darwin"} {
   exec open $url &
 } elseif {[catch {exec xdg-open $url}]} {
   exec firefox $url &
 }
}

# This routine is a "socket -server" callback.  The $chan, $ip, and $port
# arguments are added by the socket command.
#
# Arrange to invoke $callback when content is available
 on the new socket.
# The $callback will process inbound HTTP or SCGI content.
```

```
#
proc wappInt-new-connection {callback wappmode chan ip port} {
 upvar #0 wappInt-$chan W
 set W [dict create REMOTE_ADDR $ip REMOTE_PORT $port WAPP_MODE $wappmode \
       .header {}]
 fconfigure $chan -blocking 0 -translation binary
 fileevent $chan readable [list $callback $chan]
}

# Close an input channel
#
proc wappInt-close-channel {chan} {
 if {$chan=="stdout"} {
   # This happens after completing a CGI request
   exit 0
 } else {
   unset ::wappInt-$chan
   close $chan
 }
}

# Process new text received on an inbound HTTP request
#
proc wappInt-http-readable {chan} {
 if {[catch [list wappInt-http-readable-unsafe $chan] msg]} {
   puts stderr "$msg\n$::errorInfo"
   wappInt-close-channel $chan
 }
}
proc wappInt-http-readable-unsafe {chan} {
 upvar #0 wappInt-$chan W wapp wapp
 if {![dict exists $W .toread]} {
   # If the .toread key is not set, that means we are still reading
    # the header
   set line [string trimright [gets $chan]]
   set n [string length $line]
   if {$n>0} {
     if {[dict get $W .header]=="" || [regexp {^\s+} $line]} {
       dict append W .header $line
     } else {
       dict append W .header \n$line
     }
     if {[string length [dict get $W .header]]>100000} {
       error "HTTP request header too big - possible DOS attack"
     }
   } elseif {$n==0} {
     # We have reached the blank line that terminates the header.
     global argv0
```

```
    set a0 [file normalize $argv0]
    dict set W SCRIPT_FILENAME $a0
    dict set W DOCUMENT_ROOT [file dir $a0]
    if {[wappInt-parse-header $chan]} {
      catch {close $chan}
      return
    }
    set len 0
    if {[dict exists $W CONTENT_LENGTH]} {
      set len [dict get $W CONTENT_LENGTH]
    }
    if {$len>0} {
      # Still need to read the query content
      dict set W .toread $len
    } else {
      # There is no query content, so handle
 the request immediately
      set wapp $W
      wappInt-handle-request $chan 0
    }
  }
 } else {
  # If .toread is set, that means we are reading the query content.
  # Continue reading until .toread reaches zero.
  set got [read $chan [dict get $W .toread]]
  dict append W CONTENT $got
  dict set W .toread [expr {[dict get $W .toread]-[string length $got]}]
  if {[dict get $W .toread]<=0} {
    # Handle the request as soon as all the query content is received
    set wapp $W
    wappInt-handle-request $chan 0
  }
 }
}

# Decode the HTTP request header.
#
# This routine is always running inside of a [catch], so if
# any problems arise, simply raise an error.
#
proc wappInt-parse-header {chan} {
 upvar #0 wappInt-$chan W
 set hdr [split [dict get $W .header] \n]
 if {$hdr==""} {return 1}
 set req [lindex $hdr 0]
 dict set W REQUEST_METHOD [set method [lindex $req 0]]
 if {[lsearch {GET HEAD POST} $method]<0} {
  error "unsupported request method:
```

```
 \"[dict get $W REQUEST_METHOD]\""
 }
 set uri [lindex $req 1]
 set split_uri [split $uri ?]
 set uri0 [lindex $split_uri 0]
 if {![regexp {^/[-.a-z0-9_/]*$} $uri0]} {
  error "invalid request uri: \"$uri0\""
 }
 dict set W REQUEST_URI $uri0
 dict set W PATH_INFO $uri0
 set uri1 [lindex $split_uri 1]
 dict set W QUERY_STRING $uri1
 set n [llength $hdr]
 for {set i 1} {$i<$n} {incr i} {
  set x [lindex $hdr $i]
  if {![regexp {^(.+): +(.*)$} $x all name value]} {
   error "invalid header line: \"$x\""
  }
  set name [string toupper $name]
  switch -- $name {
   REFERER {set name HTTP_REFERER}
   USER-AGENT {set name HTTP_USER_AGENT}
   CONTENT-LENGTH {set name CONTENT_LENGTH}
   CONTENT-TYPE {set name CONTENT_TYPE}
   HOST {set name HTTP_HOST}
   COOKIE {set name HTTP_COOKIE}
   ACCEPT-ENCODING {set name HTTP_ACCEPT_ENCODING}
   default {set name .hdr:$name}
  }
  dict set W $name $value
 }
 return 0
}

# Decode the QUERY_STRING
 parameters from a GET request or the
# application/x-www-form-urlencoded CONTENT from a POST request.
#
# This routine sets the ".qp" element of the ::wapp dict as a signal
# that query parameters have already been decoded.
#
proc wappInt-decode-query-params {} {
 global wapp
 dict set wapp .qp 1
 if {[dict exists $wapp QUERY_STRING]} {
  foreach qterm [split [dict get $wapp QUERY_STRING] &] {
   set qsplit [split $qterm =]
   set nm [lindex $qsplit 0]
```

```
    if {[regexp {^[a-z][a-z0-9]*$} $nm]} {
      dict set wapp $nm [wappInt-decode-url [lindex $qsplit 1]]
    }
  }
 }
 if {[dict exists $wapp CONTENT_TYPE] && [dict exists $wapp CONTENT]} {
  set ctype [dict get $wapp CONTENT_TYPE]
  if {$ctype=="application/x-www-form-urlencoded"} {
    foreach qterm [split [string trim [dict get $wapp CONTENT]] &] {
      set qsplit [split $qterm =]
      set nm [lindex $qsplit 0]
      if {[regexp {^[a-z][-a-z0-9_]*$} $nm]} {
        dict set wapp $nm [wappInt-decode-url
[lindex $qsplit 1]]
      }
    }
  } elseif {[string match multipart/form-data* $ctype]} {
    regexp {^(.*?)\r\n(.*)$} [dict get $wapp CONTENT] all divider body
    set ndiv [string length $divider]
    while {[string length $body]} {
      set idx [string first $divider $body]
      set unit [string range $body 0 [expr {$idx-3}]]
      set body [string range $body [expr {$idx+$ndiv+2}] end]
      if {[regexp {^Content-Disposition: form-data; (.*?)\r\n\r\n(.*)$} \
          $unit unit hdr content] &&
         [regexp {name="(.*)"; filename="(.*)"\r\nContent-Type: (.*?)$}\
           $hdr hr name filename mimetype]} {
        dict set wapp $name.filename \
          [string map [list \\\" \" \\\\ \\] $filename]
        dict set wapp $name.mimetype $mimetype
        dict set wapp $name.content $content
      }
    }
  }
 }
}

# Invoke application-supplied methods to generate a reply to
# a single HTTP request.
#
# This routine always
 runs within [catch], so handle exceptions by
# invoking [error].
#
proc wappInt-handle-request {chan useCgi} {
 global wapp
 dict set wapp .reply {}
 dict set wapp .mimetype {text/html; charset=utf-8}
```

```
dict set wapp .reply-code {200 Ok}
dict set wapp .csp {default-src 'self'}

# Set up additional CGI environment values
#
if {![dict exists $wapp HTTP_HOST]} {
  dict set wapp BASE_URL {}
} elseif {[dict exists $wapp HTTPS]} {
  dict set wapp BASE_URL https://[dict get $wapp HTTP_HOST]
} else {
  dict set wapp BASE_URL http://[dict get $wapp HTTP_HOST]
}
if {![dict exists $wapp REQUEST_URI]} {
  dict set wapp REQUEST_URI /
} elseif {[regsub {\?.*} [dict get $wapp REQUEST_URI] {} newR]} {
  # Some servers (ex: nginx) append the query parameters to REQUEST_URI.
  # These need to be stripped off
  dict set wapp REQUEST_URI $newR
}
if {[dict exists $wapp SCRIPT_NAME]} {
  dict append wapp BASE_URL [dict get $wapp SCRIPT_NAME]
} else {
  dict set wapp
SCRIPT_NAME {}
}
if {![dict exists $wapp PATH_INFO]} {
  # If PATH_INFO is missing (ex: nginx) the construct it
  set URI [dict get $wapp REQUEST_URI]
  set skip [string length [dict get $wapp SCRIPT_NAME]]
  dict set wapp PATH_INFO [string range $URI $skip end]
}
if {[regexp {^/([^/]+)(.*)$} [dict get $wapp PATH_INFO] all head tail]} {
  dict set wapp PATH_HEAD $head
  dict set wapp PATH_TAIL [string trimleft $tail /]
} else {
  dict set wapp PATH_INFO {}
  dict set wapp PATH_HEAD {}
  dict set wapp PATH_TAIL {}
}
dict set wapp SELF_URL [dict get $wapp BASE_URL]/[dict get $wapp PATH_HEAD]

# Parse query parameters from the query string, the cookies, and
# POST data
#
if {[dict exists $wapp HTTP_COOKIE]} {
  foreach qterm [split [dict get $wapp HTTP_COOKIE] {;}] {
    set qsplit [split [string trim $qterm] =]
    set nm [lindex $qsplit 0]
```

```
    if {[regexp {^[a-z][-a-z0-9_]*$} $nm]} {
      dict set wapp $nm [wappInt-decode-url [lindex
$qsplit 1]]
    }
  }
}
set same_origin 0
if {[dict exists $wapp HTTP_REFERER]} {
  set referer [dict get $wapp HTTP_REFERER]
  set base [dict get $wapp BASE_URL]
  if {$referer==$base || [string match $base/* $referer]} {
    set same_origin 1
  }
}
dict set wapp SAME_ORIGIN $same_origin
if {$same_origin} {
  wappInt-decode-query-params
}

# Invoke the application-defined handler procedure for this page
# request.  If an error occurs while running that procedure, generate
# an HTTP reply that contains the error message.
#
wapp-before-dispatch-hook
wappInt-trace
set mname [dict get $wapp PATH_HEAD]
if {[catch {
  if {$mname!="" && [llength [info proc wapp-page-$mname]]>0} {
    wapp-page-$mname
  } else {
    wapp-default
  }
} msg]} {
  if {[wapp-param WAPP_MODE]=="local" || [wapp-param WAPP_MODE]=="server"} {
    puts "ERROR: $::errorInfo"
  }
  wapp-reset
  wapp-reply-code "500 Internal Server Error"
  wapp-mimetype
text/html
  wapp-trim {
    <h1>Wapp Application Error</h1>
    <pre>%html($::errorInfo)</pre>
  }
  dict unset wapp .new-cookies
}

# Transmit the HTTP reply
```

```
#
if {$chan=="stdout"} {
  puts $chan "Status: [dict get $wapp .reply-code]\r"
} else {
  puts $chan "HTTP/1.1 [dict get $wapp .reply-code]\r"
  puts $chan "Server: wapp\r"
  puts $chan "Connection: close\r"
}
if {[dict exists $wapp .reply-extra]} {
  foreach {name value} [dict get $wapp .reply-extra] {
    puts $chan "$name: $value\r"
  }
}
if {[dict exists $wapp .csp]} {
  puts $chan "Content-Security-Policy: [dict get $wapp .csp]\r"
}
set mimetype [dict get $wapp .mimetype]
puts $chan "Content-Type: $mimetype\r"
if {[dict exists $wapp .new-cookies]} {
  foreach {nm val} [dict get $wapp .new-cookies] {
    if {[regexp {^[a-z][-a-z0-9_]*$} $nm]} {
      if {$val==""} {
        puts $chan "Set-Cookie: $nm=; HttpOnly; Path=/; Max-Age=1\r"
      } else {
        set
val [wappInt-enc-url $val]
        puts $chan "Set-Cookie: $nm=$val; HttpOnly; Path=/\r"
      }
    }
  }
}
if {[string match text/* $mimetype]} {
  set reply [encoding convertto utf-8 [dict get $wapp .reply]]
  if {[regexp {\ygzip\y} [wapp-param HTTP_ACCEPT_ENCODING]]} {
    catch {
      set x [zlib gzip $reply]
      set reply $x
      puts $chan "Content-Encoding: gzip\r"
    }
  }
} else {
  set reply [dict get $wapp .reply]
}
puts $chan "Content-Length: [string length $reply]\r"
puts $chan \r
puts $chan $reply
flush $chan
wappInt-close-channel $chan
```

```
}

# This routine runs just prior to request-handler dispatch.  The
# default implementation is a no-op, but applications can override
# to do additional transformations or checks.
#
proc wapp-before-dispatch-hook {} {return}

# Process a single CGI request
#
proc wappInt-handle-cgi-request {} {
 global wapp env
 foreach key {
   CONTENT_LENGTH
   CONTENT_TYPE
   DOCUMENT_ROOT
   HTTP_ACCEPT_ENCODING
    HTTP_COOKIE
   HTTP_HOST
   HTTP_REFERER
   HTTP_USER_AGENT
   HTTPS
   PATH_INFO
   QUERY_STRING
   REMOTE_ADDR
   REQUEST_METHOD
   REQUEST_URI
   REMOTE_USER
   SCRIPT_FILENAME
   SCRIPT_NAME
   SERVER_NAME
   SERVER_PORT
   SERVER_PROTOCOL
 } {
   if {[info exists env($key)]} {
     dict set wapp $key $env($key)
   }
 }
 set len 0
 if {[dict exists $wapp CONTENT_LENGTH]} {
   set len [dict get $wapp CONTENT_LENGTH]
 }
 if {$len>0} {
   fconfigure stdin -translation binary
   dict set wapp CONTENT [read stdin $len]
 }
 dict set wapp WAPP_MODE cgi
 fconfigure stdout -translation binary
```

```
 wappInt-handle-request stdout 1
}

# Process new text received on an inbound SCGI request
#
proc wappInt-scgi-readable {chan} {
 if {[catch [list wappInt-scgi-readable-unsafe $chan] msg]} {
   puts stderr "$msg\n$::errorInfo"
   wappInt-close-channel $chan
 }
}
proc wappInt-scgi-readable-unsafe {chan} {
 upvar #0 wappInt-$chan W wapp wapp
 if
 {![dict exists $W .toread]} {
   # If the .toread key is not set, that means we are still reading
   # the header.
   #
   # An SGI header is short.  This implementation assumes the entire
   # header is available all at once.
   #
   set req [read $chan 15]
   set n [string length $req]
   scan $req %d:%s len hdr
   incr len [string length "$len:,"]
   append hdr [read $chan [expr {$len-15}]]
   foreach {nm val} [split $hdr \000] {
     if {$nm==","} break
     dict set W $nm $val
   }
   set len 0
   if {[dict exists $W CONTENT_LENGTH]} {
     set len [dict get $W CONTENT_LENGTH]
   }
   if {$len>0} {
     # Still need to read the query content
     dict set W .toread $len
   } else {
     # There is no query content, so handle the request immediately
     set wapp $W
     wappInt-handle-request $chan 0
   }
 } else {
   # If .toread is set, that means we are reading the query content.
   # Continue reading until .toread reaches zero.
   set got [read
 $chan [dict get $W .toread]]
   dict append W CONTENT $got
```

```
  dict set W .toread [expr {[dict get $W .toread]-[string length $got]}]
  if {[dict get $W .toread]<=0} {
    # Handle the request as soon as all the query content is received
    set wapp $W
    wappInt-handle-request $chan 0
  }
 }
}

# Start up the wapp framework.  Parameters are a list passed as the
# single argument.
#
#    -server $PORT         Listen for HTTP requests on this TCP port $PORT
#
#    -local $PORT          Listen for HTTP requests on 127.0.0.1:$PORT
#
#    -scgi $PORT           Listen for SCGI requests on TCP port $PORT
#
#    -cgi                  Handle a single CGI request
#
# With no arguments, the behavior is called "auto".  In "auto" mode,
# if the GATEWAY_INTERFACE environment variable indicates CGI, then run
# as CGI.  Otherwise, start an HTTP server bound to the loopback address
# only, on an arbitrary TCP port, and automatically launch a web browser
# on that TCP port.
#
# Additional
 options:
#
#    -trace                "puts" each request URL as it is handled, for
#                          debugging
#
#    -lint                 Run wapp-safety-check on the application instead
#                          of running the application itself
#
#    -Dvar=value           Set TCL global variable "var" to "value"
#
#
proc wapp-start {arglist} {
 global env
 set mode auto
 set port 0
 set n [llength $arglist]
 for {set i 0} {$i<$n} {incr i} {
  set term [lindex $arglist $i]
  if {[string match --* $term]} {set term [string range $term 1 end]}
  switch -glob -- $term {
    -server {
```

```
      incr i;
      set mode "server"
      set port [lindex $arglist $i]
    }
    -local {
      incr i;
      set mode "local"
      set port [lindex $arglist $i]
    }
    -scgi {
      incr i;
      set mode "scgi"
      set port [lindex $arglist $i]
    }
    -cgi {
      set mode "cgi"
    }
    -trace {
      proc wappInt-trace {} {

    set q [wapp-param QUERY_STRING]
        set uri [wapp-param BASE_URL][wapp-param PATH_INFO]
        if {$q!=""} {append uri ?$q}
        puts $uri
      }
    }
    -lint {
      set res [wapp-safety-check]
      if {$res!=""} {
        puts "Potential problems in this code:"
        puts $res
        exit 1
      } else {
        exit
      }
    }
    -D*=* {
      if {[regexp {^.D([^=]+)=(.*)$} $term all var val]} {
        set ::$var $val
      }
    }
    default {
      error "unknown option: $term"
    }
  }
}
if {($mode=="auto"
     && [info exists env(GATEWAY_INTERFACE)]
```

```
    && [string match CGI/1.* $env(GATEWAY_INTERFACE)])
  || $mode=="cgi"
 } {
  wappInt-handle-cgi-request
  return
 }
 if {$mode=="scgi"} {
  wappInt-start-listener $port scgi
 } elseif {$mode=="server"} {
  wappInt-start-listener $port server
 } else {
  wappInt-start-listener $port local
 }
 vwait ::forever
}

# Call this version
 1.0
package provide wapp 1.0

#### End of wapp.tcl

# Generate all header content for the output document
#
proc search_header {} {
 wapp-trim {
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
<html><head>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="content-type" content="text/html; charset=UTF-8">
<link href="../sqlite.css" rel="stylesheet">
<title>Search SQLite Stats</title>
<!-- path=../ -->
</head>
<body>
<div class=nosearch>
<a href="../index.html">
<img class="logo" src="../images/sqlite370_banner.gif" alt="SQLite" border="0">
</a>
<div><!-- IE hack to prevent disappearing logo --></div>
<div class="tagline desktoponly">
Small. Fast. Reliable.<br>Choose any three.
</div>
<div class="menu mainmenu">
<ul>
<li><a href="../index.html">Home</a>
<li class='mobileonly'><a href="javascript:void(0)" onclick='toggle_div("submenu")'>Menu</a>
<li class='wideonly'><a href='../about.html'>About</a>
```

```
<li class='desktoponly'><a
 href="../docs.html">Documentation</a>
<li class='desktoponly'><a href="../download.html">Download</a>
<li class='wideonly'><a href='../copyright.html'>License</a>
<li class='desktoponly'><a href="../support.html">Support</a>
<li class='desktoponly'><a href="../prosupport.html">Purchase</a>
<li class='search' id='search_menubutton'>
<a href="javascript:void(0)" onclick='toggle_search()'>Search</a>
</ul>
</div>
<div class="menu submenu" id="submenu">
<ul>
<li><a href='../about.html'>About</a>
<li><a href='../docs.html'>Documentation</a>
<li><a href='../download.html'>Download</a>
<li><a href='../support.html'>Support</a>
<li><a href='../prosupport.html'>Purchase</a>
</ul>
</div>
<div class="searchmenu" id="searchmenu">
<form method="GET" action="../search">
<select name="s" id="searchtype">
<option value="d">Search Documentation</option>
<option value="c">Search Changelog</option>
</select>
<input type="text" name="q" id="searchbox" value="">
<input type="submit" value="Go">
</form>
</div>
</div>
<script>
function
 toggle_div(nm) {
var w = document.getElementById(nm);
if( w.style.display=="block" ){
w.style.display = "none";
}else{
w.style.display = "block";
}
}
function toggle_search() {
var w = document.getElementById("searchmenu");
if( w.style.display=="block" ){
w.style.display = "none";
} else {
w.style.display = "block";
setTimeout(function(){
document.getElementById("searchbox").focus()
```

```
}, 30);
}
}
function div_off(nm){document.getElementById(nm).style.display="none";}
window.onbeforeunload = function(e){div_off("submenu");}
/* Disable the Search feature if we are not operating from CGI, since */
/* Search is accomplished using CGI and will not work without it. */
if( !location.origin.match || !location.origin.match(/http/) ){
document.getElementById("search_menubutton").style.display = "none";
}
/* Used by the Hide/Show button beside syntax diagrams, to toggle the */
function hideorshow(btn,obj){
var x = document.getElementById(obj);
var b
 = document.getElementById(btn);
if( x.style.display!='none' ){
x.style.display = 'none';
b.innerHTML='show';
}else{
x.style.display = '';
b.innerHTML='hide';
}
return false;
}
</script>
</div>
 }
}

proc wapp-default {} {
 # When running using the built-in webserver in Wapp (in other words,
 # when not running as CGI) any filename that contains a "." loads
 # directly from the filesystem.
 if {[wapp-param WAPP_MODE]!="cgi"]
  && [string match *.* [wapp-param PATH_INFO]]
 } {
   set altfile [file dir [wapp-param SCRIPT_FILENAME]]/../[wapp-param PATH_INFO]
   set fd [open $altfile rb]
   fconfigure $fd -translation binary
   wapp-unsafe [read $fd]
   close $fd
   switch -glob -- $altfile {
     *.html {
       wapp-mimetype text/html
     }
     *.css {
       wapp-mimetype text/css
     }
```

```
    *.gif {
      wapp-mimetype image/gif
    }
  }
  return
 }
 wapp-page-admin
}
proc wapp-page-admin {} {
 wapp-allow-xorigin-params
 wapp-content-security-policy off
 if {[wapp-param-exists env]} {
  search_header
  wapp-trim {
    <h1>Environment</h1>
    <pre>%html([wapp-debug-env])</pre>
  }
  return
 }
 sqlite3 db2 [file dir [wapp-param SCRIPT_FILENAME]]/searchlog.db
 set where ""
 set res ""

 set ipfilter ""
 set ipaddr [wapp-param ip]
 if {$ipaddr!=""} {
  set where {WHERE ip = $ipaddr}
  set ipfilter $ipaddr
 }

 set checked ""
 set isUnique [expr {[wapp-param unique 0]+0}]
 if {$isUnique} {
  set checked "checked"
 }

 set limit [wapp-param limit 10]
 set s10 ""
 set s100 ""
 set s1000 ""
 if {$limit==10} {set s10 selected}
 if {$limit==100} {set s100 selected}
 if {$limit==1000} {set s1000 selected}

 search_header
 set self [wapp-param PATH_HEAD]
 wapp-trim {
  <div style="margin:2em">
```

```
  <center>
  <form action='%url($self)' method='GET'>
    Results: <select name=limit onChange="this.form.submit()">
      <option %html($s10) value="10">10</option>
      <option %html($s100) value="100">100</option>
       <option %html($s1000) value="1000">1000</option>
    </select>
    IP: <input type=input name=ip value="%html($ipfilter)">
    Unique: <input
      type=checkbox name=unique value=1
      $checked
      onChange="this.form.submit()">
    <input type=submit>
  </form>
  </center>
  </div>
  <table border=1 cellpadding=10 align=center>
  <tr><td><th>IP <th>Query <th> Results <th> Timestamp
}

set i 0
db2 eval "
  SELECT rowid, ip, query, nres, timestamp FROM log $where
  ORDER BY rowid DESC
" {

  if {$isUnique} {
    if {[info exists seen($query)]} continue
    set seen($query) 1
  }

  wapp-trim {
    <tr><td>%html($rowid)
        <td><a href='%url($self)?ip=%qp($ip)'>%html($ip)</a>
        <td><a href='../search?q=%qp($query)&donotlog=1'>%html($query)</a>
        <td>%html($nres)<td>%html($timestamp)
  }
  incr i
  if {$i >= $limit} break
}
wapp-subst {</table\n}
db2 close
}
wapp-start $argv

Found
 in path(s):
* /opt/cola/permits/1146776895_1616740027.09/0/sqlite3-3-27-2-orig-www-1-tar-xz/www/search.d/admin
```

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public domain,

Found in path(s):
* /opt/cola/permits/1146776895_1616740027.09/0/sqlite3-3-27-2-orig-www-1-tar-xz/www/prosupport.html

1.203 firmware-nonfree 20190114-2

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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.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright

law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what
the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that
you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses

the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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 medium customarily used for software interchange.

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

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

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

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

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

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

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

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.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice
for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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 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.

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.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility
programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

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.

7. You may place library facilities that are a work based on the
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library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted,
and provided that you do these two things:

a) Accompany the combined library with a copy of the same work
based on the Library, uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

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authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying,

distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

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1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source

includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your

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A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

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 alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge.

You need not require recipients to copy the
Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object
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A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute
modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied

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Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu
The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, please send a note to sudo@sudo.ws.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom

Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Piete
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
Cheloha, Scott
ek, Vtzslav
Coleman, Chris
Corzine, Deven T.
Cusack, Frank
Dai, Wei
Dill, David
Earickson, Jeff
Eckhardt, Drew
Edgington, Ben
Esipovich, Marc
Espie, Marc
Faigon, Ariel
Farrell, Brian
Fobes, Steve
Frysinger, Mike
G., Daniel Richard
Gailly, Jean-loup
Gelman, Stephen
Gerraty, Simon J.
Graber, Stephane
Guillory, B.
Hayman, Randy M.
Henke, Joachim
Hideaki, Yoshifuji
Hieb, Dave
Holloway, Nick
Hoover, Adam
Hunter, Michael T.

Hutchings, Ben
Irrgang, Eric
Jackson, Brian
Jackson, John R.
Jackson, Richard L., Jr.
Janssen, Mark
Jepeway, Chris
Jorge, Joel Pele
Jover, Guillem
Juhani, Timo
Kikuchi, Ayamura
Kadow, Kevin
Kasal, Stepan
Kienenberger, Mike
King, Dale
King, Michael
Klyachkin, Andrey
Knoble, Jim
Knox, Tim
Komarnitsky, Alek O.
Kondrashov, Nikolai
Kopeek, Daniel
Kranenburg, Paul
Krause, David
Lakin, Eric
Larsen, Case
Levin, Dmitry V.
Libby, Kendall
Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.
McLaughlin, Tom
Makey, Jeff
Marchionna, Michael D.
Markham,
Paul
Martinian, Emin
Meskes, Michael
Michael, David
Miller, Todd C.
Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
Mller, Dworkin
Nieusma, Jeff
Nikitser, Peter A.

Nussel, Ludwig
Ouellet, Jean-Philippe
Paquet, Eric
Paradis, Chantal
Pasteleurs, Frederic
Percival, Ted
Perera, Andres
Peron, Christian S.J.
Peschel, Aaron
Peslyak, Alexander
Peterson, Toby
Petten, Diego Elio
Pickett, Joel
Plotnick, Alex
de Raadt, Theo
Rasch, Gudleik
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
Roy, Alain
Ruusame, Elan
Ryabinkin, Eygene
Sato, Yuichi
Snchez, Wilfredo
Sanders, Miguel
Sasaki, Kan
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarze, Ingo
Scott, Dougal
Sieger, Nick
Simon, Thor Lancelot
Slemko, Marc
Smith, Andy

Sobrado, Igor
Soulen, Steven
Spangler, Aaron
Spradling, Cloyce D.
Stier, Matthew
Stoeckmann, Tobias
Street, Russell
Stritzky, Tilo
Stroucken, Michael
Tarrall, Robert

Thomas, Matthew
Todd, Giles
Toft, Martin
Torek, Chris
Tucker, Darren
Uhl, Robert
Uzel, Petr
Valery, Reznic
Van Dinter, Theo
Venckus, Martynas
de Vries, Maarten
Wagner, Klaus
Walsh, Dan
Warburton, John
Webb, Kirk
Wetzel, Timm
Wieringen, Marco van
Wilk, Jakub
Winiger, Gary
Wood, David
Zacarias, Gustavo
Zolnowsky, John

The following people have worked to translate sudo into other languages as part of the Translation Project, see https://translationproject.org for more details.

Albuquerque, Pedro
Blttermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
Diguez, Francisco
Fontenelle, Rafael
Garca-Fontes, Walter
Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
Hansen, Joe
Hantrais, Frdric
Hein, Jochen
Hufthammer, Karl Ove
Jerovek, Damir
Karvonen, Jorma
Kazik, Duan

Kelemen, Gbor
Keeci, Mehmet
Koir, Klemen
Kozlov, Yuri
Kramer, Jakob
Krznar, Tomislav
Marchal, Frdric
Margeviius, Algimantas
Maryanov, Pavel
Nikoli, Miroslav
Nylander, Daniel
Psa, Petr
Puente, Enol
Putanec, Boidar
Qun, Trn Ngc
Rasmussen, Sebastian
Regueiro, Leandro
Sarer, zgr
Sendn, Abel
Sikrom, ka
Spingos, Dimitris
Taniguchi, Yasuaki
Tomat, Fbio
r, Balzs
Uranga, Mikel Olasagasti
Vorotnikov, Artem
Wang, Wylmer

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Text::Iconv Version 1.6

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Description

This module provides a Perl interface to the iconv() codeset
conversion function, as defined by the Single UNIX Specification. For
more details see the POD documentation embedded in the file Iconv.pm,
which will also be installed as Text::Iconv(3) man page.

Prerequisites

Your system should be compliant with the Single UNIX Specification or at least provide iconv_open(), iconv() and iconv_close() functions compliant with it.

Note that the possible conversions and the quality of the conversions depend on the available iconv conversion tables and algorithms, which are in most cases supplied by the operating system vendor. Some systems also allow you to build your own tables (e.g., HP-UX, Tru64 UNIX, and AIX provide the genxlt(1) command).

It is also possible to use a separate iconv library such as GNU libiconv package, just make sure that the desired library is found (see <http://www.gnu.org/directory/localization/libiconv.html>).

Building the module

Since the Single UNIX Specification only specifies an interface, several issues are left to the implementation to define, namely:

1. The supported codesets
2. The supported conversions
3. The names for the supported codesets

Please check your system documentation for the above points.

The module can be built using this sequence of commands:

```
perl Makefile.PL
make
make test
```

On some systems, the iconv functions are in libc; on others (and when you want to use a separate iconv library, such as GNU libiconv), you have to link with -liconv. Makefile.PL tries to automatically detect this. However, if your iconv library is in a non-standard path, you might have to help it. You can specify library and include paths like this:

```
perl Makefile.PL LIBS='-L/path/to/lib' INC='-I/path/to/include
```

You might also have to do this if you have multiple iconv implementations installed and want to use a specific one.

The purpose of the test scripts (run by "make test") is to check if an iconv library can be found, and if the iconv functions can be called. It is neither intended to find out which conversions are supported, nor to test the quality of the conversions provided by your iconv library. However, since the iconv functions can only be tested by calling them, which in turn requires the specification of codesets to be converted. The test scripts try some conversions which seem to be widely supported. Conversions not supported by your iconv implementation are skipped, but for the purpose outlined above this is no problem, as it shows that the iconv functions are working. There is no standard way to find out which conversions are supported by an implementation.
This is also the reason why Text::Iconv can't provide platform-independent support for codeset identifiers (even if it it would be nice to have).

Installation
---

make install

Feedback

Text::Iconv was tested on various platforms and with different iconv implementations.

If you built Text::Iconv on a platform where you needed to specify additional libraries, or where none of the codeset identifiers in the test scripts are supported, please drop me a note.

Thanks

Thanks go to all those who reported bugs and suggested features.

Michael Piotrowski <mxp@dynalabs.de>

Found in path(s):
* /opt/cola/permits/1144640811_1616146132.37/0/libtext-iconv-perl-1-7-orig-tar-bz2/Text-Iconv-1.7/README

1.221 cron 3.0pl1 134+deb10u1

1.221.1 Available under license :

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

Found in path(s):
* /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/bitstring.3
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Found in path(s):
* /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/Makefile
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* 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
 rediculously
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/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.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/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/crontab.1

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* /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/popen.c
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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
*/

$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/manl,
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/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/INSTALL
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.\" * Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
.\" */
.\"
.\" $Id: cron.8,v 2.2 1993/12/28 08:34:43 vixie Exp $
.\"

Found in path(s):
*
/opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/cron.8
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*
* @(#)bitstring.h 5.2
 (Berkeley) 4/4/90
*/

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* /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/bitstring.h
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*/

Found in path(s):
* /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/compat.h
*
 /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/pathnames.h
* /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/externs.h
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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/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/crontab.5
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*/

Found in path(s):
* /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/env.c
*
 /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/cron.h
* /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/do_command.c
* /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/cron.c
* /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/user.c
* /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/database.c
* /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/crontab.c
* /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/compat.c
* /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/entry.c
* /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/job.c
*
 /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/misc.c
* /opt/cola/permits/1097313584_1611670802.24/0/cron-3-0pl1-orig-tar-bz2/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/config.h

1.222 python 3.7.3 2+deb10u3

1.222.1 Available under license :

This is the Debian GNU/Linux prepackaged version of the Python programming
language. Python was written by Guido van Rossum <guido@cwi.nl> and others.

This package was put together by Klee Dienes <klee@debian.org> from
sources from ftp.python.org:/pub/python, based on the Debianization by
the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and
Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final
2.3 version is released.

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A. HISTORY OF THE SOFTWARE
==========

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

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

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

2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

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

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

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1.224 pydbus 0.6.0

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* configure.ac, Makefile.am: The original versions were derived from the
ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
derived form the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh,
admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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```

```
<xsl:stylesheet version="1.0"
 xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
 xmlns:xi="http://www.w3.org/2001/XInclude"
 xmlns:db="http://docbook.org/ns/docbook">

 <xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">

    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>

 <xsl:variable name="isc.copyright.text">
  <xsl:text>
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  </xsl:text>
</xsl:variable>

 <xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
  <xsl:text>Copyright (C) </xsl:text>
  <xsl:call-template name="copyright.years">
    <xsl:with-param name="years" select="year"/>
  </xsl:call-template>
  <xsl:text> </xsl:text>
  <xsl:value-of select="holder"/>
       <xsl:value-of select="$isc.copyright.breakline"/>
  <xsl:text>&#10;</xsl:text>
 </xsl:for-each>
 <xsl:value-of
 select="$isc.copyright.text"/>
    </xsl:with-param>
  </xsl:call-template>
 </xsl:variable>
</xsl:stylesheet>

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```

- Local variables:
- mode: sgml
- End:
-->

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1.228 nginx 1.14.2 2+deb10u4

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1.229 glib 2.58.3-2+deb10u3

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1.230 pygobject 3.30.4

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limitation in the term "modification".)

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

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d) If a facility in the modified

Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may

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

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You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that

they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary
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treats it as such.

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

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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<signature of Ty Coon>, 1 April 1989
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in one of these ways:

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customarily used for software interchange.

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
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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
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only if you received the object code with such an offer, in accord
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the same way through the same place at no
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lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c

lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
lib/libgss/g_rel_oid_set.c
lib/libgss/g_seal.c
lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c

lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
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kprop/kpropd_rpc.c
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#
# This is a Makefile stub which handles the creation of BSD shared
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#
# 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
-
- Copyright (C) Andrew Tridgell 2005
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    ** library. This does NOT imply that all of Samba is released
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Gadi Oxman, August 1995

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

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

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

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

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

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This is the Debian GNU/Linux prepackaged version of the ss
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This package was put together by Yann Dirson <dirson@debian.org>,
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tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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system utilities, which are otherwise packaged as "e2fsprogs".

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

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1.249 gnutls 3.6.7-4+deb10u7

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