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1.1 libtomcrypt 1.17

1.1.1 Available under license :

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

1.2 csrp 1.0

1.2.1 Available under license :

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1.3 libtommath 0.42.0

1.3.1 Available under license :

LibTomMath is hereby released into the Public Domain.

-- Tom St Denis

1.4 libvirt 1.2.15

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Version 2.1, February 1999

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b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code.

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The source code for a work means the preferred form of the work for making modifications to it. For an executable work, 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 executable. However, as a special exception, the source code 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.

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

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

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

The hypothetical commands ``show w'` and ``show c'` should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than ``show w'` and ``show c'`; they could even be mouse-clicks or menu items--whatever suits your program.

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
```

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1.10 json-c 0.99.8

1.10.1 Available under license :

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1.11 glibc 2.23

1.11.1 Available under license :

@c The GNU Lesser General Public License.

@center Version 2.1, February 1999

@c This file is intended to be included within another document,

@c hence no sectioning command or @node.

@display

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or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
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We call this license the `Lesser` General Public License because it does *Less* to protect the user's freedom than the ordinary General Public License. It also provides other free software developers *Less* of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the

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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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@enumerate 0

@item

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``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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@item

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

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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

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

@end enumerate

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@item

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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.

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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.

@item

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modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

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

@item

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

@item

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.

@item

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

@item

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

@end enumerate

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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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@item

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@c Local Variables:

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

@c End:

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```
<program> Copyright (C) <year> <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
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```

The hypothetical commands `show w' and `show c' should show the appropriate

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Version 3, 29 June 2007

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1.13 fcgi 2.4.0

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```

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1.15 popt 1.16

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1.16 autogen 5.18.5

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1.18 gdb 7.8

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```
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```

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```
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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 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 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:

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

That's all there is to it!

```
/* Native-dependent code for x86 BSD's.
```

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```
#ifndef X86_BSD_NAT_H
#define X86_BSD_NAT_H

#include "x86-nat.h"

/* Low level x86 XSAVE info. */
extern size_t x86bsd_xsave_len;

/* A prototype *BSD/x86 target. */

template<typename BaseTarget>
class x86bsd_nat_target
: public x86_nat_target<BaseTarget>
{
    using base_class = x86_nat_target<BaseTarget>;
public:
#ifdef HAVE_PT_GETDBREGS
    void mourn_inferior () override
    {
        x86_cleanup_dregs ();
        base_class::mourn_inferior ();
    }
#endif /* HAVE_PT_GETDBREGS */
};

#endif /* x86-bsd-nat.h */
```

/* Native-dependent code for modern i386 BSD's.

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```
#ifndef I386_BSD_NAT_H
#define I386_BSD_NAT_H
```

```
/* Helper functions. See definitions. */
extern void i386bsd_fetch_inferior_registers (struct regcache *regcache,
      int regnum);
extern void i386bsd_store_inferior_registers
      (struct regcache *regcache,
      int regnum);
```

```
/* A prototype *BSD/i386 target. */
```

```
template<typename BaseTarget>
class i386_bsd_nat_target : public x86bsd_nat_target<BaseTarget>
{
public:
void fetch_registers (struct regcache *regcache, int regnum) override
{ i386bsd_fetch_inferior_registers (regcache, regnum); }

void store_registers (struct regcache *regcache, int regnum) override
{ i386bsd_store_inferior_registers (regcache, regnum); }
};
```

```
#endif /* i386-bsd-nat.h */
```

```
/* Native-dependent code for modern AMD64 BSD's.
```

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```
#ifndef AMD64_BSD_NAT_H
#define AMD64_BSD_NAT_H

#include "x86-bsd-nat.h"

/* Helper functions. See definitions. */
extern void amd64bsd_fetch_inferior_registers (struct regcache *regcache,
                                             int regnum);
extern
void amd64bsd_store_inferior_registers (struct regcache *regcache,
                                       int regnum);

/* A prototype *BSD/AMD64 target. */

template<typename BaseTarget>
class amd64_bsd_nat_target : public x86bsd_nat_target<BaseTarget>
{
public:
void fetch_registers (struct regcache *regcache, int regnum) override
{ amd64bsd_fetch_inferior_registers (regcache, regnum); }

void store_registers (struct regcache *regcache, int regnum) override
{ amd64bsd_store_inferior_registers (regcache, regnum); }
};

#endif /* i386-bsd-nat.h */
@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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end ignore

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heading Preamble

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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.

@heading TERMS AND CONDITIONS

@enumerate 0

@item Definitions.

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

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@item

The work must carry prominent notices stating that you modified it, and giving a relevant date.

@item

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@enumerate a

@item

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@item

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@item

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.

@item

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.

@item

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.

@end enumerate

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.

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"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

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or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this

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Appendix: How to Apply These Terms to Your New Libraries

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To apply these terms, attach the following notices to the library. 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.

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

That's all there is to it!
/* BSD Kernel Data Access Library (libkvm) interface.

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```
#define _KMEMUSER
#include "defs.h"
#include "cli/cli-cmds.h"
#include "command.h"
#include "frame.h"
#include "regcache.h"
#include "target.h"
#include "process-stratum-target.h"
#include "value.h"
#include "gdbcore.h"
```

```

#include
"inferior.h"      /* for get_exec_file */
#include "gdbthread.h"

#include <fcntl.h>
#include <kvm.h>
#ifdef HAVE_NLIST_H
#include <nlist.h>
#endif
#include <paths.h>
#include "readline/readline.h"
#include <sys/param.h>
#include <sys/proc.h>
#ifdef HAVE_SYS_USER_H
#include <sys/user.h>
#endif

#include "bsd-kvm.h"

/* Kernel memory device file. */
static const char *bsd_kvm_corefile;

/* Kernel memory interface descriptor. */
static kvm_t *core_kd;

/* Address of process control block. */
static struct pcb *bsd_kvm_paddr;

/* Pointer to architecture-specific function that reconstructs the
register state from PCB and supplies it to REGCACHE. */
static int (*bsd_kvm_supply_pcb)(struct regcache *regcache, struct pcb *pcb);

/* This is the ptid we use while we're connected to kvm. The kvm
target currently doesn't export any view of the running processes,
so this represents the kernel task. */
static ptid_t bsd_kvm_ptid;

/* The libkvm target. */

static
const target_info bsd_kvm_target_info = {
    "kvm",
    N_("Kernel memory interface"),
    N_("Use a kernel virtual memory image as a target.\n\
Optionally specify the filename of a core dump."),
};

class bsd_kvm_target final : public process_stratum_target

```

```

{
public:
bsd_kvm_target () = default;

const target_info &info () const override
{ return bsd_kvm_target_info; }

void close () override;

void fetch_registers (struct regcache *, int) override;
enum target_xfer_status xfer_partial (enum target_object object,
    const char *annex,
    gdb_byte *readbuf,
    const gdb_byte *writebuf,
    ULONGEST offset, ULONGEST len,
    ULONGEST *xfered_len) override;

void files_info () override;
bool thread_alive (ptid_t ptid) override;
const char *pid_to_str (ptid_t) override;

bool has_memory () override { return true; }
bool has_stack () override { return true; }
bool has_registers () override { return true; }
};

/* Target ops for libkvm interface. */
static bsd_kvm_target
bsd_kvm_ops;

static void
bsd_kvm_target_open (const char *arg, int from_tty)
{
    char errbuf[_POSIX2_LINE_MAX];
    char *execfile = NULL;
    kvm_t *temp_kd;
    char *filename = NULL;

    target_preopen (from_tty);

    if (arg)
    {
        char *temp;

        filename = tilde_expand (arg);
        if (filename[0] != '/')
        {
            temp = concat (current_directory, "/", filename, (char *)NULL);

```

```

xfree (filename);
filename = temp;
}
}

execfile = get_exec_file (0);
temp_kd = kvm_openfiles (execfile, filename, NULL,
    write_files ? O_RDWR : O_RDONLY, errbuf);
if (temp_kd == NULL)
    error ("%s", errbuf);

bsd_kvm_corefile = filename;
unpush_target (&bsd_kvm_ops);
core_kd = temp_kd;
push_target (&bsd_kvm_ops);

add_thread_silent (bsd_kvm_ptid);
inferior_ptid = bsd_kvm_ptid;

target_fetch_registers (get_current_regcache (), -1);

reinit_frame_cache ();
print_stack_frame (get_selected_frame (NULL), 0, SRC_AND_LOC, 1);
}

void
bsd_kvm_target::close ()
{
    if (core_kd)
    {
        if (kvm_close (core_kd) == -1)
            warning ("%s", kvm_geterr(core_kd));
        core_kd = NULL;
    }

    inferior_ptid = null_ptid;
    discard_all_inferiors ();
}

static LONGEST
bsd_kvm_xfer_memory (CORE_ADDR addr, ULONGEST len,
    gdb_byte *readbuf, const gdb_byte *writebuf)
{
    ssize_t nbytes = len;

    if (readbuf)
        nbytes = kvm_read (core_kd, addr, readbuf, nbytes);
    if (writebuf && nbytes > 0)

```

```

    nbytes = kvm_write (core_kd, addr, writebuf, nbytes);
return nbytes;
}

enum target_xfer_status
bsd_kvm_target::xfer_partial (enum target_object object,
    const char *annex, gdb_byte *readbuf,
    const gdb_byte *writebuf,
    ULONGEST offset, ULONGEST len, ULONGEST *xfered_len)
{
switch (object)
{
case TARGET_OBJECT_MEMORY:
{
LONGEST ret = bsd_kvm_xfer_memory (offset, len, readbuf, writebuf);

if (ret < 0)
return TARGET_XFER_E_IO;
else if (ret == 0)
return TARGET_XFER_EOF;
else
{
*xfered_len = (ULONGEST)
ret;
return TARGET_XFER_OK;
}
}

default:
return TARGET_XFER_E_IO;
}
}

void
bsd_kvm_target::files_info ()
{
if (bsd_kvm_corefile && strcmp (bsd_kvm_corefile, _PATH_MEM) != 0)
printf_filtered (_("\tUsing the kernel crash dump %s.\n"),
    bsd_kvm_corefile);
else
printf_filtered (_("\tUsing the currently running kernel.\n"));
}

/* Fetch process control block at address PADDR. */

static int
bsd_kvm_fetch_pcb (struct regcache *regcache, struct pcb *paddr)
{

```

```

struct pcb pcb;

if (kvm_read (core_kd, (unsigned long) paddr, &pcb, sizeof pcb) == -1)
    error ("%s", kvm_geterr (core_kd));

gdb_assert (bsd_kvm_supply_pcb);
return bsd_kvm_supply_pcb (regcache, &pcb);
}

void
bsd_kvm_target::fetch_registers (struct regcache *regcache, int regnum)
{
    struct nlist nl[2];

    if (bsd_kvm_paddr)
    {
        bsd_kvm_fetch_pcb (regcache, bsd_kvm_paddr);
        return;
    }

    /* On dumping core, BSD kernels store the faulting context (PCB)

    in the variable "dumppcb". */
    memset (nl, 0, sizeof nl);
    nl[0].n_name = "_dumppcb";

    if (kvm_nlist (core_kd, nl) == -1)
        error ("%s", kvm_geterr (core_kd));

    if (nl[0].n_value != 0)
    {
        /* Found dumppcb. If it contains a valid context, return
        immediately. */
        if (bsd_kvm_fetch_pcb (regcache, (struct pcb *) nl[0].n_value))
            return;
    }

    /* Traditional BSD kernels have a process proc0 that should always
    be present. The address of proc0's PCB is stored in the variable
    "proc0paddr". */

    memset (nl, 0, sizeof nl);
    nl[0].n_name = "_proc0paddr";

    if (kvm_nlist (core_kd, nl) == -1)
        error ("%s", kvm_geterr (core_kd));

    if (nl[0].n_value != 0)

```

```

{
    struct pcb *paddr;

    /* Found proc0paddr. */
    if (kvm_read (core_kd, nl[0].n_value, &paddr, sizeof paddr) == -1)
error ("%s"), kvm_geterr (core_kd));

    bsd_kvm_fetch_pcb (regcache, paddr);
    return;
}

#ifdef HAVE_STRUCT_THREAD_TD_PCB
/* In FreeBSD kernels
for 5.0-RELEASE and later, the PCB no longer
lives in `struct proc' but in `struct thread'. The `struct
thread' for the initial thread for proc0 can be found in the
variable "thread0". */

memset (nl, 0, sizeof nl);
nl[0].n_name = "_thread0";

if (kvm_nlist (core_kd, nl) == -1)
    error ("%s"), kvm_geterr (core_kd));

if (nl[0].n_value != 0)
{
    struct pcb *paddr;

    /* Found thread0. */
    nl[0].n_value += offsetof (struct thread, td_pcb);
    if (kvm_read (core_kd, nl[0].n_value, &paddr, sizeof paddr) == -1)
error ("%s"), kvm_geterr (core_kd));

    bsd_kvm_fetch_pcb (regcache, paddr);
    return;
}
#endif

/* i18n: PCB == "Process Control Block". */
error (_("Cannot find a valid PCB"));
}

/* Kernel memory interface commands. */
struct cmd_list_element *bsd_kvm_cmdlist;

static void
bsd_kvm_cmd (const char *arg, int fromtty)

```

```

{
/* ??? Should this become an alias for "target kvm"? */
}

#ifndef HAVE_STRUCT_THREAD_TD_PCB

static
void
bsd_kvm_proc_cmd (const char *arg, int fromtty)
{
CORE_ADDR addr;

if (arg == NULL)
error_no_arg (_("proc address"));

if (core_kd == NULL)
error (_("No kernel memory image.));

addr = parse_and_eval_address (arg);
#ifdef HAVE_STRUCT_LWP
addr += offsetof (struct lwp, l_addr);
#else
addr += offsetof (struct proc, p_addr);
#endif

if (kvm_read (core_kd, addr, &bsd_kvm_paddr, sizeof bsd_kvm_paddr) == -1)
error (("s"), kvm_geterr (core_kd));

target_fetch_registers (get_current_regcache (), -1);

reinit_frame_cache ();
print_stack_frame (get_selected_frame (NULL), 0, SRC_AND_LOC, 1);
}

#endif

static void
bsd_kvm_pcb_cmd (const char *arg, int fromtty)
{
if (arg == NULL)
/* i18n: PCB == "Process Control Block". */
error_no_arg (_("pcb address"));

if (core_kd == NULL)
error (_("No kernel memory image.));

bsd_kvm_paddr = (struct pcb *) (u_long) parse_and_eval_address (arg);

```



```

target_fetch_registers (get_current_regcache (),
-1);

reinit_frame_cache ();
print_stack_frame (get_selected_frame (NULL), 0, SRC_AND_LOC, 1);
}

bool
bsd_kvm_target::thread_alive (ptid_t ptid)
{
return true;
}

const char *
bsd_kvm_target::pid_to_str (ptid_t ptid)
{
static char buf[64];
xsnprintf (buf, sizeof buf, "<kvm>");
return buf;
}

/* Add the libkvm interface to the list of all possible targets and
register CUPPLY_PCB as the architecture-specific process control
block interpreter. */

void
bsd_kvm_add_target (int (*supply_pcb)(struct regcache *, struct pcb *))
{
gdb_assert (bsd_kvm_supply_pcb == NULL);
bsd_kvm_supply_pcb = supply_pcb;

add_target (bsd_kvm_target_info, bsd_kvm_target_open);

add_prefix_cmd ("kvm", class_obscure, bsd_kvm_cmd, _("\"
Generic command for manipulating the kernel memory interface.\""),
&bsd_kvm_cmdlist, "kvm ", 0, &cmdlist);

#ifdef HAVE_STRUCT_THREAD_TD_PCB
add_cmd ("proc", class_obscure, bsd_kvm_proc_cmd,
_("\"Set current context from proc address\""), &bsd_kvm_cmdlist);
#endif
add_cmd ("pcb", class_obscure, bsd_kvm_pcb_cmd,
/* i18n: PCB == "Process Control Block". */
_("\"Set current context from pcb address\""), &bsd_kvm_cmdlist);

/* Some notes on the ptid usage on this target.

The pid field represents the kvm inferior instance. Currently,

```

we don't support multiple kvm inferiors, but we start at 1 anyway. The lwp field is set to != 0, in case the core wants to refer to the whole kvm inferior with ptid(1,0,0).

If kvm is made to export running processes as gdb threads, the following form can be used:

```
ptid (1, 1, 0) -> kvm inferior 1, in kernel
ptid (1, 1, 1) -> kvm inferior 1, process 1
ptid (1, 1, 2) -> kvm inferior 1, process 2
ptid (1, 1, n) -> kvm inferior 1, process n */
```

```
bsd_kvm_ptid = ptid_t (1, 1, 0);
}
BEGIN {
  FS="\"";
  print "/* ==> Do not modify this file!! \" \
  \"-* - buffer-read-only: t -* - vi\" \
  \":set ro:";
  print " It is created automatically by copying.awk.";
  print " Modify copying.awk instead. <== */";
  print ""
  print "#include \"defs.h\""
  print "#include \"command.h\""
  print "#include \"gdbcmd.h\""
  print ""
  print "static void show_copying_command (const char *, int);"
  print ""
  print "static void show_warranty_command (const char *, int);"
  print ""
  print "static void";
  print "show_copying_command (const char *ignore, int from_tty)";
  print "{";
}
NR == 1,/^[ ]*15\ Disclaimer of Warranty\.[ ]*$/ {
  if ($0 ~ //)
  {
    printf " printf_filtered (\"\\n\");\n";
  }
  else if ($0 !~ /^[ ]*15\ Disclaimer of Warranty\.[ ]*$/ )
  {
    printf " printf_filtered (\"";
    for (i = 1; i < NF; i++)
    printf "%s\\\"\", $i;
    printf "%s\\n\");\n", $NF;
  }
}
/^[ ]*15\ Disclaimer of Warranty\.[ ]*$/ {
```

```

print "}";
print "";
print "static void";
print "show_warranty_command (const char *ignore, int from_tty)";
print "{";
}
/^[ ]*15\. Disclaimer of Warranty\.[ ]*$/, /^[ ]*END OF TERMS AND CONDITIONS[ ]*$/ {
  if (! ($0 ~ /^[ ]*END OF TERMS AND CONDITIONS[ ]*$/))
    {
      printf " printf_filtered (\\"";
      for (i = 1; i < NF; i++)
        printf "%s\\\\"", $i;
      printf "%s\\n\\");\n", $NF;
    }
}
END {
  print "}";
  print "";
  print "void"
  print "_initialize_copying (void)";
  print "{";
  print " add_cmd (\\"copying\\", no_set_class, show_copying_command, ";
  print " _(\\"Conditions for redistributing copies of GDB.\\"), ";
  print " &showlist);";
  print " add_cmd (\\"warranty\\", no_set_class, show_warranty_command, ";
  print " _(\\"Various kinds of warranty you do not have.\\"), ";
  print " &showlist);";
  print "";
  print " /* For old-timers, allow \"info copying\", etc. */";
  print " add_info (\\"copying\\", show_copying_command, ";

  print " _(\\"Conditions for redistributing copies of GDB.\\"));";
  print " add_info (\\"warranty\\", show_warranty_command, ";
  print " _(\\"Various kinds of warranty you do not have.\\"));";
  print "}";
}
#!/usr/bin/env python

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#
# This file is part of GDB.
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```

```
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```

```
"""copyright.py
```

This script updates the list of years in the copyright notices in most files maintained by the GDB project.

Usage: cd src/gdb && python copyright.py

Always review the output of this script before committing it!

A useful command to review

the output is:

```
% filterdiff -x \*.c -x \*.cc -x \*.h -x \*.exp updates.diff
```

This removes the bulk of the changes which are most likely to be correct.

```
"""
```

```
import datetime
import os
import os.path
import subprocess
```

```
def get_update_list():
```

```
    """Return the list of files to update.
```

```
    Assumes that the current working directory when called is the root
    of the GDB source tree (NOT the gdb/ subdirectory!). The names of
    the files are relative to that root directory.
```

```
    """
```

```
    result = []
```

```
    for gdb_dir in ('gdb', 'sim', 'include/gdb'):
```

```
        for root, dirs, files in os.walk(gdb_dir, topdown=True):
```

```
            for dirname in dirs:
```

```
                reldirname = "%s/%s" % (root, dirname)
```

```
                if (dirname in EXCLUDE_ALL_LIST
```

```
                    or reldirname in EXCLUDE_LIST
```

```
                    or reldirname in NOT_FSF_LIST
```

```
                    or reldirname in BY_HAND):
```

```
                    # Prune this directory from our search list.
```

```
                    dirs.remove(dirname)
```

```
            for filename in files:
```

```
                relpath = "%s/%s" % (root, filename)
```

```
                if (filename in EXCLUDE_ALL_LIST
```

```

        or relpath in EXCLUDE_LIST
        or relpath in NOT_FSF_LIST
        or relpath in BY_HAND):
    # Ignore this file.
    pass
else:
    result.append(relpath)
return result

def update_files(update_list):
    """Update the copyright header of the files in the given list.

    We use gnulib's update-copyright script for that.
    """
    # We want to use year intervals in the copyright notices, and
    # all years should be collapsed to one single year interval,
    # even if there are "holes" in the list of years found in the
    # original copyright notice (OK'ed by the FSF, case [gnu.org #719834]).
    os.environ['UPDATE_COPYRIGHT_USE_INTERVALS'] = '2'

    # Perform the update, and save the output in a string.
    update_cmd
= ['bash', 'gdb/gnulib/import/extra/update-copyright']
    update_cmd += update_list

    p = subprocess.Popen(update_cmd, stdout=subprocess.PIPE,
                          stderr=subprocess.STDOUT)
    update_out = p.communicate()[0]

    # Process the output. Typically, a lot of files do not have
    # a copyright notice :-(. The update-copyright script prints
    # a well defined warning when it did not find the copyright notice.
    # For each of those, do a sanity check and see if they may in fact
    # have one. For the files that are found not to have one, we filter
    # the line out from the output, since there is nothing more to do,
    # short of looking at each file and seeing which notice is appropriate.
    # Too much work! (~4,000 files listed as of 2012-01-03).
    update_out = update_out.splitlines()
    warning_string = ': warning: copyright statement not found'
    warning_len = len(warning_string)

    for line in update_out:
        if line.endswith('\n'):

            line = line[:-1]
            if line.endswith(warning_string):
                filename = line[:-warning_len]

```

```

    if may_have_copyright_notice(filename):
        print line
    else:
        # Unrecognized file format. !?!
        print "*** " + line

def may_have_copyright_notice(filename):
    """Check that the given file does not seem to have a copyright notice.

    The filename is relative to the root directory.
    This function assumes that the current working directory is that root
    directory.

    The algorithm is fairly crude, meaning that it might return
    some false positives. I do not think it will return any false
    negatives... We might improve this function to handle more
    complex cases later...
    """
    # For now, it may have a copyright notice if we find the word
    # "Copyright" at the (reasonable) start of the given file, say
    # 50 lines...
    MAX_LINES = 50

    fd = open(filename)

    lineno = 1
    for line in fd:
        if 'Copyright' in line:
            return True
        lineno += 1
    if lineno > 50:
        return False
    return False

def main ():
    """The main subprogram."""
    if not os.path.isfile("gnulib/import/extra/update-copyright"):
        print "Error: This script must be called from the gdb directory."
    root_dir = os.path.dirname(os.getcwd())
    os.chdir(root_dir)

    update_list = get_update_list()
    update_files (update_list)

    # Remind the user that some files need to be updated by HAND...

```

```

if MULTIPLE_COPYRIGHT_HEADERS:
    print
    print("\033[31m"
          "REMINDER: Multiple copyright headers must be updated by hand:"
          "\033[0m")
    for filename in MULTIPLE_COPYRIGHT_HEADERS:
        print " ", filename

if BY_HAND:
    print
    print "\033[31mREMINDER: The following files must be updated by hand." \
          "\033[0m"
    for filename in BY_HAND:
        print " ", filename

#####
#
#
# Some constants, placed at the end because they take up a lot of room.
# The actual value of these constants is not significant to the understanding
# of the script.
#
#####

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Filenames are relative to the root directory.
EXCLUDE_LIST = (
    'gdb/nat/glibc_thread_db.h',
    'gdb/CONTRIBUTE',
    'gdb/gnulib/import'
)

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Matches any file or directory name anywhere. Use with caution.
# This is mostly for files that can be found in multiple directories.
# Eg: We want all
# files named COPYING to be left untouched.

EXCLUDE_ALL_LIST = (
    "COPYING", "COPYING.LIB", "CVS", "configure", "copying.c",
    "fdl.texi", "gpl.texi", "aclocal.m4",
)

```

```

# The list of files to update by hand.
BY_HAND = (
    # Nothing at the moment :-).
)

# Files containing multiple copyright headers. This script is only
# fixing the first one it finds, so we need to finish the update
# by hand.
MULTIPLE_COPYRIGHT_HEADERS = (
    "gdb/doc/gdb.texinfo",
    "gdb/doc/refcard.tex",
    "gdb/gdbarch.sh",
)

# The list of file which have a copyright, but not head by the FSF.
# Filenames are relative to the root directory.
NOT_FSF_LIST = (
    "gdb/exc_request.defs",
    "gdb/gdbtk",
    "gdb/testsuite/gdb.gdbtk/",
    "sim/arm/armemu.h", "sim/arm/armos.c", "sim/arm/gdbhost.c",
    "sim/arm/dbg_hif.h", "sim/arm/dbg_conf.h", "sim/arm/communicate.h",
    "sim/arm/armos.h", "sim/arm/armcopro.c", "sim/arm/armemu.c",
    "sim/arm/kid.c", "sim/arm/thumbemu.c", "sim/arm/armdefs.h",
    "sim/arm/armopts.h",
    "sim/arm/dbg_cp.h", "sim/arm/dbg_rdi.h",
    "sim/arm/parent.c", "sim/arm/armsupp.c", "sim/arm/armrdi.c",
    "sim/arm/bag.c", "sim/arm/armvirt.c", "sim/arm/main.c", "sim/arm/bag.h",
    "sim/arm/communicate.c", "sim/arm/gdbhost.h", "sim/arm/armfpe.h",
    "sim/arm/arminit.c",
    "sim/common/cgen-fpu.c", "sim/common/cgen-fpu.h",
    "sim/common/cgen-accfp.c",
    "sim/mips/m16run.c", "sim/mips/sim-main.c",
    "sim/moxie/moxie-gdb.dts",
    # Not a single file in sim/ppc/ appears to be copyright FSF :-(.
    "sim/ppc/filter.h", "sim/ppc/gen-support.h", "sim/ppc/ld-insn.h",
    "sim/ppc/hw_sem.c", "sim/ppc/hw_disk.c", "sim/ppc/idecode_branch.h",
    "sim/ppc/sim-endian.h", "sim/ppc/table.c", "sim/ppc/hw_core.c",
    "sim/ppc/gen-support.c", "sim/ppc/gen-semantics.h", "sim/ppc/cpu.h",
    "sim/ppc/sim_callbacks.h", "sim/ppc/RUN", "sim/ppc/Makefile.in",
    "sim/ppc/emul_chirp.c", "sim/ppc/hw_nvram.c", "sim/ppc/dc-test.01",
    "sim/ppc/hw_phb.c", "sim/ppc/hw_eeprom.c", "sim/ppc/bits.h",
    "sim/ppc/hw_vm.c", "sim/ppc/cap.h", "sim/ppc/os_emul.h",
    "sim/ppc/options.h", "sim/ppc/gen-idecode.c", "sim/ppc/filter.c",
    "sim/ppc/corefile-n.h", "sim/ppc/std-config.h", "sim/ppc/ld-decode.h",
    "sim/ppc/filter_filename.h", "sim/ppc/hw_shm.c",
    "sim/ppc/pk_disklabel.c", "sim/ppc/dc-simple", "sim/ppc/misc.h",

```



```

"sim/ppc/device_table.h", "sim/ppc/ld-insn.c", "sim/ppc/inline.c",
"sim/ppc/emul_bugapi.h", "sim/ppc/hw_cpu.h", "sim/ppc/debug.h",
"sim/ppc/hw_ide.c", "sim/ppc/debug.c", "sim/ppc/gen-itable.h",
"sim/ppc/interrupts.c", "sim/ppc/hw_glue.c", "sim/ppc/emul_unix.c",
"sim/ppc/sim_calls.c", "sim/ppc/dc-complex", "sim/ppc/ld-cache.c",
"sim/ppc/registers.h", "sim/ppc/dc-test.02", "sim/ppc/options.c",
"sim/ppc/igen.h", "sim/ppc/registers.c", "sim/ppc/device.h",
"sim/ppc/emul_chirp.h", "sim/ppc/hw_register.c", "sim/ppc/hw_init.c",
"sim/ppc/sim-endian-n.h", "sim/ppc/filter_filename.c",
"sim/ppc/bits.c", "sim/ppc/idecode_fields.h",
"sim/ppc/hw_memory.c",
"sim/ppc/misc.c", "sim/ppc/double.c", "sim/ppc/psim.h",
"sim/ppc/hw_trace.c", "sim/ppc/emul_netbsd.h", "sim/ppc/psim.c",
"sim/ppc/ppc-instructions", "sim/ppc/tree.h", "sim/ppc/README",
"sim/ppc/gen-icache.h", "sim/ppc/gen-model.h", "sim/ppc/ld-cache.h",
"sim/ppc/mon.c", "sim/ppc/corefile.h", "sim/ppc/vm.c",
"sim/ppc/INSTALL", "sim/ppc/gen-model.c", "sim/ppc/hw_cpu.c",
"sim/ppc/corefile.c", "sim/ppc/hw_opic.c", "sim/ppc/gen-icache.c",
"sim/ppc/events.h", "sim/ppc/os_emul.c", "sim/ppc/emul_generic.c",
"sim/ppc/main.c", "sim/ppc/hw_com.c", "sim/ppc/gen-semantics.c",
"sim/ppc/emul_bugapi.c", "sim/ppc/device.c", "sim/ppc/emul_generic.h",
"sim/ppc/tree.c", "sim/ppc/mon.h", "sim/ppc/interrupts.h",
"sim/ppc/cap.c", "sim/ppc/cpu.c", "sim/ppc/hw_phb.h",
"sim/ppc/device_table.c", "sim/ppc/lf.c", "sim/ppc/lf.c",
"sim/ppc/dc-stupid", "sim/ppc/hw_pal.c", "sim/ppc/ppc-spr-table",
"sim/ppc/emul_unix.h", "sim/ppc/words.h",
"sim/ppc/basics.h",
"sim/ppc/hw_htab.c", "sim/ppc/lf.h", "sim/ppc/ld-decode.c",
"sim/ppc/sim-endian.c", "sim/ppc/gen-itable.c",
"sim/ppc/idecode_expression.h", "sim/ppc/table.h", "sim/ppc/dgen.c",
"sim/ppc/events.c", "sim/ppc/gen-idecode.h", "sim/ppc/emul_netbsd.c",
"sim/ppc/igen.c", "sim/ppc/vm_n.h", "sim/ppc/vm.h",
"sim/ppc/hw_iobus.c", "sim/ppc/inline.h",
"sim/testsuite/sim/bfin/s21.s", "sim/testsuite/sim/mips/mips32-dsp2.s",
)

```

```

if __name__ == "__main__":

```

```

    main()

```

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Version 2, June 1991

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[This is the first released version of the library GPL. It is
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 tools/shhopt.c, tools/shhopt.h:

Title: shhopt - library for parsing command line options.

Version: 1.1.2

Entered-date: 23MAR97

Description: C-functions for parsing command line options, both
 traditional one-character options, and GNU'ish
 --long-options.

Keywords: programming, library, lib, commandline, options

Author: s.h.huseby@usit.uio.no (Sverre H. Huseby)

Primary-site: <http://www.ifi.uio.no/~sverrehu/pub-unix/>

Alternate-site: [sunsite.unc.edu /pub/Linux/libs
 shhopt-1.1.2.tar.gz](http://sunsite.unc.edu/pub/Linux/libs/shhopt-1.1.2.tar.gz)

Platforms: Requires ANSI C-compiler.

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1.21 xz 5.2.3

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1.22 json-c 0.12

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1.23 jansson 2.10

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1.24 fdisk 2.30.2

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1.30 libcap-ng 0.7.3

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1.31 libcap 2.25

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1.32 lighttpd 1.4.54

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1.33 libnettle6 3.5.1

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1.35 ntp 4.2.8p15

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1.36 audit 1.0.0

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1.37 libssh2 1.9.0

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## 1.38 openosc 1.0.3

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## 1.39 linux-kernel 4.1.52

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ConferenceTV card

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

/\* 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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QLogic Linux Networking HBA Driver

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(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)

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for merging the nxt2002 and nxt2004 modules into a  
single nxt200x frontend driver.

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# 1.40 linux-kernel 4.14.136

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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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- \* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
- \*
- \* M. Welsh, 6 July 1996
- \*
- \*
- \*/

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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 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:

- 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.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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# different copyright/license attached and list them here.  
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@c \input texinfo.tex @c -\*texinfo-\*

@c

@c %\*\*start of header

@c All text is ignored before the setfilename.

@setfilename LGPL.info

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@center Version 2.1, February 1999

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@center Preamble

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This license, the Lesser General Public License, applies to some specially

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When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary

GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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

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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This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called ``this License"). Each licensee is addressed as ``you".

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.

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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.

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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:

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The modified work must itself be a software library.

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

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

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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.)

@end enumerate

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.

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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.

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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.

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

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

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

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

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

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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:

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

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

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

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

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

@end enumerate

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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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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## 1.48 libnl3 3.2.21

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## 1.49 lua 5.4.2

### 1.49.1 Available under license :

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\* /opt/cola/permits/1117084974\_1608110407.29/0/lua-lua-v5-4-2-0-g9d067ab-tar-gz/lua-lua-9d067ab/manual/manual.of

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#!/usr/bin/env lua5.3

```

-- special marks:
-- \1 - paragraph (empty line)
-- \4 - remove spaces around it
-- \3 - ref (followed by label)

header = [[
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 3.2 Final//EN">
<html>

<head>
<title>Lua 5.4 Reference Manual</title>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<link rel="stylesheet" href="lua.css">
<link rel="stylesheet" href="manual.css">
</head>

<body bgcolor="#FFFFFF">

<hr>
<h1>

Lua 5.4 Reference Manual
</h1>

by Roberto Ierusalimschy, Luiz Henrique de Figueiredo, Waldemar Celes
<p>
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</small>
<hr>

<!-- ===== -->
<p>

]]

footer
= "\n\n</body></html>\n\n"

local seefmt = '(see %s)'

if arg[1] == 'port' then
seefmt = '(ver %s)'
header = string.gsub(header, "by (-)\n",
"%1\n<p>Tradução: Sérgio Queiroz de Medeiros", 1)

```

```

header = string.gsub(header, "Lua (%d+.%d+) Reference Manual",
 "Manual de Referência de Lua %1")
header = string.gsub(header, "All rights reserved",
 "Todos os direitos reservados")
end

```

```

local function compose (f,g)
 assert(f and g)
 return function (s) return g(f(s)) end
end

```

```

local function concat (f, g)
 assert(f and g)
 return function (s) return f(s) .. g(s) end
end

```

```

local Tag = {}

```

```

setmetatable(Tag, {
 __index = function (t, tag)
 local v = function (n, att)
 local e = ""
 if type(att) == "table" then
 for k,v in pairs(att) do e = string.format("%s %s=\"%s\"", e, k, v) end
 end
 if n then
 return string.format("<%s%s>%s</%s>", tag, e, n, tag)
 else
 return string.format("<%s%s>", tag, e)
 end
 end
 t[tag] = v
 return v
 end
})

```

```

local labels = {}

```

```

local function anchor (text, label, link, textlink)

```

```

if labels[label] then
 error("label " .. label .. " already defined")
end
labels[label] = {text = textlink, link = link}
return Tag.a(text, {name=link})
end

```

```

local function makeref (label)
 assert(not string.find(label, "|"))
 return string.format("\3%s\3", label)
end

```

```

local function ref (label)
 local l = labels[label]
 if not l then
 io.stderr:write("label ", label, " undefined\n")
 return "#####"
 else
 return Tag.a(l.text, {href="#"..l.link})
 end
end
end

```

```

local function nopara (t)
 t = string.gsub(t, "\1", "\n\n")
 t = string.gsub(t, "<p>%s*</p>", "")
 return t
end

```

```

local function fixpara (t)
 t = string.gsub(t, "\1", "\n</p>\n\n<p>\n")
 t = string.gsub(t, "<p>%s*</p>", "")
 return t
end

```

```

local function antipara (t)
 return "</p>\n" .. t .. "<p>"
end

```

```

Tag.pre = compose(Tag.pre, antipara)
Tag.ul = compose(Tag.ul, antipara)

```

```

local Gfoots = 0
local footnotes = {}

```

```

local line = Tag.hr(nil)

```



```

local function dischargefoots ()
 if #footnotes == 0 then return "" end
 local fn = table.concat(footnotes)
 footnotes = {}
 return line .. Tag.h3"footnotes:" .. fn .. line
end

```

```

local Glists = 0
local listings = {}

```

```

local function dischargeulist ()
 if #listings == 0 then return "" end
 local l = listings
 listings = {}
 return line .. table.concat(l, line..line) .. line
end

```

```

local counters = {
 h1 = {val = 1},
 h2 = {father = "h1", val = 1},
 h3 = {father = "h2", val = 1},
 listing = {father = "h1", val = 1},
}

```

```

local
function inccounter (count)
 counters[count].val = counters[count].val + 1
 for c, v in pairs(counters) do
 if v.father == count then v.val = 1 end
 end
end

```

```

local function getcounter (count)
 local c = counters[count]
 if c.father then
 return getcounter(c.father) .. "." .. c.val
 else
 return c.val .. ""
 end
end

```

```

local function fixed (x)
 return function () return x end

```

```
end
```

```
local function id (x) return x end
```

```
local function prepos (x, y)
```

```
 assert(x and y)
```

```
 return function (s) return string.format("%s%s%s", x, s, y) end
```

```
end
```

```
local rw = Tag.b
```

```
local function LuaName (name)
```

```
 return Tag.code(name)
```

```
end
```

```
local function getparam (s)
```

```
 local i, e = string.find(s, "^[^%s@|]+")
```

```
 if not i then return nil, s
```

```
 else return string.sub(s, i, e - 1), string.sub(s, e + 1)
```

```
 end
```

```
end
```

```
local function gettitle (h)
```

```
 local title, p = assert(string.match(h, "<title>(.-)</title>()"))
```

```
 return title, string.sub(h,
```

```
 p)
```

```
end
```

```
local function getparamtitle (what, h, nonum)
```

```
 local label, title, c, count
```

```
 label, h = getparam(h)
```

```
 title, h = gettitle(h)
```

```
 if not nonum then
```

```
 count = getcounter(what)
```

```
 inccounter(what)
```

```
 c = string.format("%s – ", count)
```

```
 else
```

```
 c = ""
```

```
 end
```

```
 label = label or count
```

```
 if label then
```

```

 title = anchor(title, label, count, "§".count)
end
title = string.format("%s%s", c, title)
return title, h
end

```

```

local function section (what, nonum)
return function (h)
 local title
 title, h = getparamtitle(what, h, nonum)
 local fn = what == "h1" and dischargefoots() or ""
 h = fixpara(Tag.p(h))
 return "</p>\n" .. Tag[what](title) .. h .. fn ..
 dischargelist() .. "<p>"
end
end

```

```

local function verbatim (s)
s = nopara(s)
s = string.gsub(s, "\n", "\n ")
s = string.gsub(s, "\n%s*$", "\n")
return Tag.pre(s)
end

```

```

local function verb (s)
return Tag.code(s)
end

```

```

local function lua2link
(e)
return string.find(e, "luaL?_") and e or "pdf-".e
end

```

```

local verbfixed = verb

```

```

local Tex = {

ANSI = function (func)
 return "ISO C function " .. Tag.code(func)
end,
At = fixed"@ ",
B = Tag.b,
bigskip = fixed"",

```

```

bignum = id,
C = fixed"",
Ci = prepos("<!-- ", " -->"),
CId = function (func)
 return "C function " .. Tag.code(func)
end,
chapter = section"h1",
Char = compose(verbfixed, prepos("", "")),
Cdots = fixed"&middledot;&middledot;&middledot;",
Close = fixed"}",
col = Tag.td,
defid = function (name)
 local l = lua2link(name)
 local c = Tag.code(name)
 return anchor(c, l, l, c)
end,
def = Tag.em,
description = compose(nopara, Tag.ul),
Em = fixed("\4" .. "—" .. "\4"),
emph = Tag.em,
emphx = Tag.em, -- emphasis plus index (if there was an index)
En = fixed("–"),
format = fixed"",
["false"] = fixed(Tag.b"false"),
id = Tag.code,
idx = Tag.code,
index = fixed"",
Lidx = fixed"", -- Tag.code,
ldots
 = fixed"... ",
x = id,
itemize = compose(nopara, Tag.ul),
leq = fixed"≤",
Lid = function (s)
 return makeref(lua2link(s))
end,
M = Tag.em,
N = function (s) return (string.gsub(s, " ", " ")) end,
NE = id, -- tag"foreignphrase",
num = id,
["nil"] = fixed(Tag.b"nil"),
fail = fixed(Tag.b"fail"),
Open = fixed"{ ",
part = section("h1", true),
Pat = compose(verbfixed, prepos("", "")),
preface = section("h1", true),
psect = section("h2", true),
Q = prepos("", ""),

```

```

refchp = makeref,
refcode = makeref,
refsec = makeref,

pi = fixed"π",
rep = Tag.em, -- compose(prepos("<", ">"), Tag.em),
Rw = rw,
rw = rw,
sb = Tag.sub,
sp = Tag.sup,
St = compose(verbfixed, prepos("", "")),
sect1 = section"h1",
sect2 = section"h2",
sect3 = section"h3",
sect4 = section("h4", true),
simplesect = id,
Tab2 = function (s) return Tag.table(s, {border=1}) end,
row = Tag.tr,
title = Tag.title,
todo = Tag.todo,
["true"] = fixed(Tag.b"true"),
T = verb,

item = function (s)

 local t, p = string.match(s, "^(^[^n]+)|()")
 if t then
 s = string.sub(s, p)
 s = Tag.b(t.." ") .. s
 end
 return Tag.li(fixpara(s))
end,

verbatim = verbatim,

manual = id,

-- for the manual

link =function (s)
 local l, t = getparam(s)
 assert(l)
 return string.format("%s (%s)", t, makeref(l))
end,

see = function (s) return string.format(seefmt, makeref(s)) end,
See = makeref,

```

```

seeC = function (s)
 return string.format(seefmt, makeref(s))
end,

seeF = function (s)
 return string.format(seefmt, makeref(lua2link(s)))
end,

APIEntry = function (e)
 local h, name
 h, e = string.match(e, "^%s*(.-%s*|(.*)$")
 name = string.match(h, "(luaL?_[%w_]+)%? +%(") or
 string.match(h, "luaL?_[%w_]+")
 local a = anchor(Tag.code(name), name, name, Tag.code(name))
 local apiicmd, ne = string.match(e, "^()(.*)")
 --io.stderr:write(e)
 if not apiicmd then
 return antipara(Tag.hr() .. Tag.h3(a)
 .. Tag.pre(h) .. e
)
 else
 return antipara(Tag.hr() .. Tag.h3(a) .. apiicmd .. Tag.pre(h) .. ne
)
 end
end,

LibEntry = function (e)
 local h, name
 h, e = string.match(e, "^(.)|(.*$")
 name = string.gsub(h, "(.+)", "")
 local l = lua2link(name)
 local a = anchor(Tag.code(h), l, l, Tag.code(name))
 return Tag.hr() .. Tag.h3(a) .. e
end,

Produc = compose(nopara, Tag.pre),
producname = prepos("\t", " ::= "),
Or = fixed" | ",
VerBar = fixed"|", -- vertical bar
OrNL = fixed" | \4",
bnfNter = prepos("", ""),
bnfopt = prepos("[", "]"),
bnfrep = prepos("{", "}"),
bnfter = compose(Tag.b, prepos("‘", "’")),
producbody = function (s)
 s = string.gsub(s, "%s+", " ")
 s = string.gsub(s, "\4", "\n\t")
 return s
end,

```

```

apii = function (s)
 local pop,push,err = string.match(s, "^(-),(-),(.*$)")
 if pop ~= "?" and string.find(pop, "%W") then
 pop = "(" .. pop .. ")"
 end
 if push ~= "?"
and string.find(push, "%W") then
 push = "(" .. push .. ")"
 end
 err = (err == "-") and "–" or Tag.em(err)
 return Tag.span(
 string.format("[-%s, +%s, %s]", pop, push, err),
 {class="apii"}
)
end,
}

```

```

local others = prepos("?? ", " ??")

```

```

local function trata (t)
 t = string.gsub(t, "@(%w+)(%b{ })", function (w, f)
 f = trata(string.sub(f, 2, -2))
 if type(Tex[w]) ~= "function" then
 io.stderr:write(w .. "\n")
 return others(f)
 else
 return Tex[w](f, w)
 end
 end)
end)
return t
end

```

```


```

```

-- read whole book

```

```

t = io.read"*a"

```

```

t = string.gsub(t, "[<&\128-\255]",
{["<"] = "<",
[">"] = ">",
["&"] = "&",
["\170"] = "ª",
["\186"] = "º",
["\192"] = "À",
["\193"] = "Á"}

```

```

["\194"] = "Â",
["\195"] = "Ã",
["\199"] = "Ç",
["\201"] = "É",
["\202"] = "Ê",
["\205"] = "Í",
["\211"] = "Ó",
["\212"] = "Ô",
["\218"] = "Ú",
["\224"] = "à",
["\225"] = "á",
["\226"] = "â",
["\227"] = "ã",
["\231"] = "ç",
["\233"] = "é",
["\234"] = "ê",
["\237"] = "í",
["\243"] = "ó",
["\244"] = "ô",
["\245"] = "õ",
["\250"] = "ú",
["\252"] = "ü"
})

```

```
t = string.gsub(t, "\n\n+", "\1")
```

```
-- complete macros with no arguments
```

```
t = string.gsub(t, "(@%w+)([^{%w})]", "%1{ }%2")
```

```
t = trata(t)
```

```
-- correct references
```

```
t = string.gsub(t, "\3(-)\3", ref)
```

```
-- remove extra space (??)
```

```
t = string.gsub(t, "%s*\4%s*", "")
```

```
t = nopara(t)
```

```
-- HTML 3.2 does not need </p> (but complains when it is in wrong places :)
```

```
t = string.gsub(t, "</p>", "")
```

```
io.write(header, t, footer)
```

```
Found in path(s):
```

```
*
```



/opt/cola/permits/1117084974\_1608110407.29/0/lua-lua-v5-4-2-0-g9d067ab-tar-gz/lua-lua-9d067ab/manual/2html

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--[[

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\* /opt/cola/permits/1117084974\_1608110407.29/0/lua-lua-v5-4-2-0-g9d067ab-tar-gz/lua-lua-9d067ab/testes/all.lua

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\* /opt/cola/permits/1117084974\_1608110407.29/0/luau-lua-v5-4-2-0-g9d067ab-tar-gz/luau-lua-9d067ab/luau.h

# 1.50 opkg 0.1.8

## 1.50.1 Available under license :

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and anyone else who has sent patches or bug reports. If your name isn't on this list, please forgive us and send an email to a maintainer

The project owners/committers is here: <http://code.google.com/p/opkg/>

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## 1.51 dmalloc 5.5.2

### 1.51.1 Available under license :

```
#!/usr/bin/perl5 -w
#
dmalloc_summarize -- summarizes dmalloc log files
#
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#
$Id: dmalloc_summarize.pl,v 1.1.1.1 2012/09/18
```

09:28:11 mohamr1 Exp \$

#

/\*

\*

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\*

\* Author: J"org Wunsch

\*

\* Dumb atexit() implementation. It is far from being elegant. It is  
\* only here to provide a workaround for systems where the existing  
\* atexit() implementation is known to cause problems due to doing  
\* own mallocs. The problem arose originally on a Data General  
\* machine running DG/UX 5.4R\*, along with gcc compiling C++ code.  
\* In order to have global and static variables called their const-  
\* ructors, a chunk of code has been placed by the compiler that  
\* ran before invoking main(). This code registered the destructors  
\* with atexit() at this very early stage, but the existing atexit()  
\* bypassed the normal memory allocation scheme, and hence caused  
\* grievous troubles in combination with the dmalloc library.

\*

\* Known problem for DG/UX: the crt0.o (at least in a COFF environ-  
\* ment) passes the return value from main() to \_real\_exit() instead  
\* of exit().

Hence programs which return from main instead of calling  
\* exit() do not work as expected. I do not see any good workaround  
\* for this so far (since crt0.o always happens to reference the  
\* \_real\_exit() from the library, even if we would provide our very  
\* own symbol for it).

\*

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# 1.52 visual-studio-runtime 14.00.24210.0

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%% winjs version 4.4.0 (<https://github.com/winjs/winjs>)

=====

WinJS

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1. Seti UI - A subtle dark colored UI theme for Atom. (<https://github.com/jesseweed/seti-ui>)

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## 1.56 ply 3.11

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# PLY (Python Lex-Yacc)                      Version 3.11

[![Build Status](https://travis-ci.org/dabeaz/ply.svg?branch=master)](https://travis-ci.org/dabeaz/ply)

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## Introduction

=====

PLY is a 100% Python implementation of the common parsing tools lex and yacc. Here are a few highlights:

- PLY is very closely modeled after traditional lex/yacc. If you know how to use these tools in C, you will find PLY to be similar.
- PLY provides *very* extensive error reporting and diagnostic information to assist in parser construction. The original implementation was developed for instructional purposes. As a result, the system tries to identify the most common types of errors made by novice users.
- PLY provides full support for empty productions, error recovery, precedence specifiers, and moderately ambiguous grammars.
- Parsing is based on LR-parsing which is fast, memory efficient, better suited to large grammars, and which has a number of nice properties when dealing with syntax errors and other parsing problems. Currently, PLY builds its parsing tables using the LALR(1) algorithm used in yacc.
- PLY uses Python introspection features to build lexers and parsers. This greatly simplifies the task of parser construction since it reduces the number of files and eliminates the need to run a separate lex/yacc tool before running your program.
- PLY can be used to build parsers for "real" programming languages. Although it is not ultra-fast due to its Python implementation, PLY can be used to parse grammars consisting of several hundred rules (as might be found for a language like C). The lexer and LR parser are also reasonably efficient when parsing typically sized programs. People have used PLY to build parsers for C, C++, ADA, and other real programming languages.

## How to Use

=====

PLY consists of two files : lex.py and yacc.py. These are contained within the 'ply' directory which may also be used as a Python package. To use PLY, simply copy the 'ply' directory to your project and import lex and yacc from the associated 'ply' package. For example:

```
import ply.lex as lex
import ply.yacc as yacc
```

Alternatively, you can copy just the files `lex.py` and `yacc.py` individually and use them as modules. For example:

```
import lex
import yacc
```

The file `setup.py` can be used to install `ply` using `distutils`.

The file `doc/ply.html` contains complete documentation on how to use the system.

The example directory contains several different examples including a PLY specification for ANSI C as given in K&R 2nd Ed.

A simple example is found at the end of this document

#### Requirements

=====

PLY requires the use of Python 2.6 or greater. However, you should use the latest Python release if possible. It should work on just about any platform. PLY has been tested with both CPython and Jython. It also seems to work with IronPython.

#### Resources

=====

More information about PLY can be obtained on the PLY webpage at:

<http://www.dabeaz.com/ply>

For a detailed overview of parsing theory, consult the excellent book "Compilers : Principles, Techniques, and Tools" by Aho, Sethi, and Ullman. The topics found in "Lex & Yacc" by Levine, Mason, and Brown may also be useful.

The GitHub page for PLY can be found at:

<https://github.com/dabeaz/ply>

An old and relatively inactive discussion group for PLY is found at:

<http://groups.google.com/group/ply-hack>

#### Acknowledgments

=====

A special thanks is in order for all of the students in CS326 who

suffered through about 25 different versions of these tools :-).

The CHANGES file acknowledges those who have contributed patches.

Elias Ioup did the first implementation of LALR(1) parsing in PLY-1.x. Andrew Waters and Markus Schoepflin were instrumental in reporting bugs and testing a revised LALR(1) implementation for PLY-2.0.

Special Note for PLY-3.0

=====

PLY-3.0 the first PLY release to support Python 3. However, backwards compatibility with Python 2.6 is still preserved. PLY provides dual Python 2/3 compatibility by restricting its implementation to a common subset of basic language features. You should not convert PLY using 2to3--it is not necessary and may in fact break the implementation.

Example

=====

Here is a simple example showing a PLY implementation of a calculator with variables.

```

calc.py

A simple calculator with variables.

tokens = (
 'NAME','NUMBER',
 'PLUS','MINUS','TIMES','DIVIDE','EQUALS',
 'LPAREN','RPAREN',
)

Tokens

t_PLUS = r\+'
t_MINUS = r\-'
t_TIMES = r*'
t_DIVIDE = r\/'
t_EQUALS = r\='
t_LPAREN = r\
t_RPAREN = r\
t_NAME = r'[a-zA-Z_][a-zA-Z0-9_]*'

def t_NUMBER(t):
 r\d+'
```

```

 t.value = int(t.value)
 return t

Ignored characters
t_ignore = "\t"

def t_newline(t):
 r'\n+'
 t.lexer.lineno += t.value.count("\n")

def t_error(t):
 print("Illegal character '%s'" % t.value[0])
 t.lexer.skip(1)

Build the lexer
import ply.lex as lex
lex.lex()

Precedence
rules for the arithmetic operators
precedence = (
 ('left','PLUS','MINUS'),
 ('left','TIMES','DIVIDE'),
 ('right','UMINUS'),
)

dictionary of names (for storing variables)
names = { }

def p_statement_assign(p):
 'statement : NAME EQUALS expression'
 names[p[1]] = p[3]

def p_statement_expr(p):
 'statement : expression'
 print(p[1])

def p_expression_binop(p):
 """expression : expression PLUS expression
 | expression MINUS expression
 | expression TIMES expression
 | expression DIVIDE expression"""
 if p[2] == '+': p[0] = p[1] + p[3]
 elif p[2] == '-': p[0] = p[1] - p[3]
 elif p[2] == '*': p[0] = p[1] * p[3]
 elif p[2] == '/': p[0] = p[1] / p[3]

def p_expression_uminus(p):

```

```

'expression : MINUS expression %prec UMINUS'
p[0] = -p[2]

def p_expression_group(p):
 'expression : LPAREN
expression RPAREN'
 p[0] = p[2]

def p_expression_number(p):
 'expression : NUMBER'
 p[0] = p[1]

def p_expression_name(p):
 'expression : NAME'
 try:
 p[0] = names[p[1]]
 except LookupError:
 print("Undefined name '%s'" % p[1])
 p[0] = 0

def p_error(p):
 print("Syntax error at '%s'" % p.value)

import ply.yacc as yacc
yacc.yacc()

while True:
 try:
 s = raw_input('calc > ') # use input() on Python 3
 except EOFError:
 break
 yacc.parse(s)

```

## Bug Reports and Patches

=====

My goal with PLY is to simply have a decent lex/yacc implementation for Python. As a general rule, I don't spend huge amounts of time working on it unless I receive very specific bug reports and/or patches to fix problems. I also try to incorporate submitted feature requests and enhancements into each new version. Please visit the PLY github page

at <https://github.com/dabeaz/ply> to submit issues and pull requests. To contact me about bugs and/or new features, please send email to [dave@dabeaz.com](mailto:dave@dabeaz.com).

-- Dave



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## 1.57 mtd-utils 1.5.1

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## 1.60 pyyaml 5.4.1

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## 1.65 erlang-otp 22.3.4.17

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## THE BASIC LIBRARY FUNCTIONS

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[PCRE]

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The basic library functions are written in C and are freestanding.

Also

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

## THE BASIC LIBRARY FUNCTIONS

-----

Written by: Philip Hazel

Email local part: ph10

Email domain: cam.ac.uk

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C library code]

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 */
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-----  
[zlib]

```
/* zlib.h -- interface of
the 'zlib' general purpose compression library
version 1.2.3, July 18th, 2005
```

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Jean-loup

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

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

\*/

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[dialyzer]

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[hipe]

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[edoc, syntax\_tools]

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[leex]

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[eldap]

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@subheading END OF TERMS AND CONDITIONS

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@var{signature of Ty Coon}, 1 April 1990

Ty Coon, President of Vice

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

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

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```
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```

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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## 1.67 tdb 1.42.12

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```
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Some simple tests for the Python bindings for TDB
Note that this tests the interface of the Python bindings
It does not test tdb itself.
#
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```

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## 1.69 ncurses 6.3

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<signature of Ty Coon>, 1 April 1990  
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## 1.76 netns 1.0

### 1.76.1 Available under license :

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

```
/*
 * MPTCP implementation - MPTCP namespace
 *
 * Initial Design & Implementation:
 * Sébastien Barré <sebastien.barre@uclouvain.be>
 *
 * Current Maintainer:
 * Christoph Paasch <christoph.paasch@uclouvain.be>
 *
 * Additional authors:
 * Jaakko Korkeaniemi <jaakko.korkeaniemi@aalto.fi>
 * Gregory Detal <gregory.detal@uclouvain.be>
 * Fabien Duchêne <fabien.duchene@uclouvain.be>
 * Andreas Seelinger <Andreas.Seelinger@rwth-aachen.de>
 * Lavkesh Lahngir <lavkesh51@gmail.com>
 * Andreas Ripke <ripke@neclab.eu>
 * Vlad Dogaru <vlad.dogaru@intel.com>
 * Octavian Purdila <octavian.purdila@intel.com>
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 * Catalin Nicutar <catalin.nicutar@gmail.com>
 * Brandon Heller <brandonh@stanford.edu>
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 */
```

Found in path(s):

\* /opt/cola/permits/1401081440\_1667151326.176551/0/netns-2-tar-gz/thirdparty/openwrt-1505/build\_dir/linux-bcm620-4.1/include/net/netns/mptcp.h

## 1.77 py-bcrypt 0.4

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```
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*/
```

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```
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 *
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/\*

\* FILE: sha2.c

\* AUTHOR: Aaron D. Gifford <me@aarongifford.com>

\*

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\*  
\* \$From: sha2.c,v 1.1 2001/11/08 00:01:51 adg Exp adg \$  
\*/

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```
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*/
```

## 1.78 chardet 4.0.0

### 1.78.1 Available under license :

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Version 2.1, February 1999

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\* /opt/cola/permits/1403963770\_1661913703.6112542/0/wsgiref-0-1-2-2-zip/wsgiref-0.1.2/wsgiref/validate.py

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Metadata-Version: 1.0

Name: wsgiref

Version: 0.1.2

Summary: WSGI (PEP 333) Reference Library

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

Author: Phillip J. Eby

Author-email: [web-sig@python.org](mailto:web-sig@python.org)

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Description: This is a standalone release of the ``wsgiref`` library to be included in Python 2.5. For the standalone version's documentation, see:

HTML

[http://peak.telecommunity.com/wsgiref\\_docs/](http://peak.telecommunity.com/wsgiref_docs/)

PDF

<http://peak.telecommunity.com/wsgiref.pdf>

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\* /opt/cola/permits/1403963770\_1661913703.6112542/0/wsgiref-0-1-2-2-zip/wsgiref-0.1.2/wsgiref.egg-info/PKG-INFO

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## 1.81 glib 2.70.5

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## 1.82 python-ixml 4.6.3

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## 1.86 protobuf 3.21.12

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\* Fix compiler to not make output executable.

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

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

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Monty Taylor <monty.taylor@gmail.com>  
\* Solaris 10 + Sun Studio fixes.

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

Oleg Smolsky <oleg.smolsky@gmail.com>  
\* MS Visual Studio error format option.  
\* Detect unordered\_map in stl\_hash.m4.

Brian Olson <brianolson@google.com>  
\* gzip/zlib I/O support.

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- \* Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).

- \* Added generation of field number constants.

Wink Saville <wink@google.com>

- \* Fixed initialization ordering problem in logging code.

Will Pierce <willp@nuclei.com>

- \* Small patch improving performance of in Python serialization.

Alexandre Vassalotti <alexandre@peadrop.com>

- \* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).

Scott Stafford <scott.stafford@gmail.com>

- \* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.

Alexander Melnikov <alm@sibmail.ru>

- \* HPUX support.

Oliver Jowett <oliver.jowett@gmail.com>

- \* Detect whether zlib is new enough in configure script.

- \* Fixes for Solaris 10 32/64-bit confusion.

Evan Jones <evanj@mit.edu>

- \* Optimize Java serialization code when writing a small message to a stream.

- \* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.

- \* Clean up some Java warnings.

- \* Fix bug with permanent callbacks that delete themselves when run.

Michael Kucharski <m.kucharski@gmail.com>

- \* Added CodedInputStream.getTotalBytesRead().

Kacper Kowalik <xarthisius.kk@gmail.com>

- \* Fixed m4/acx\_pthread.m4 problem for some Linux distributions.

William Orr <will@worrbase.com>

- \* Fixed detection of sched\_yield on Solaris.

- \* Added atomicops for Solaris

Andrew Paprocki <andrew@ishiboo.com>

- \* Fixed minor IBM xLC compiler build issues

- \* Added atomicops for AIX (POWER)

Nipunn Koorapati <nipunn1313@gmail.com>

- \* Provide a type alias field ValueType

on EnumTypeWrapper

- \* Match service argument names to abstract interface

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## 1.87 selinux 2.8

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```
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<signature of Ty Coon>, 1 April 1989
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## 1.89 libfastjson 0.99.8

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## 1.90 libsemanage-common 2.8

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Any

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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, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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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.

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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 compile 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) 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.
- c) 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.
- d) 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 source code 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 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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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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

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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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.

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

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

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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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\*

\* /opt/cola/permits/1723834055\_1687183247.6822069/0/dcm-spice-yajl-2-1-0-0-g88d7964-tar-gz/dcm-spice-yajl-64437c8/include/yajl/yajl\_common.h

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\*

\* (This code is based on btrfs-progs/btrfs.c.)

\*/

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\* /opt/cola/permits/1750736838\_1690138715.2074077/0/mmc-utils-1-0-tar-gz/mmc-utils-1.0/mmc.c

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- \* FIPS 180-2 SHA-224/256/384/512 implementation
- \* Last update: 02/02/2007
- \* Issue date: 04/30/2005
- \*
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- \* /opt/cola/permits/1750736838\_1690138715.2074077/0/mmc-utils-1-0-tar-gz/mmc-utils-1.0/3rdparty/hmac\_sha/sha2.c
- \*
- \*/opt/cola/permits/1750736838\_1690138715.2074077/0/mmc-utils-1-0-tar-gz/mmc-utils-1.0/3rdparty/hmac\_sha/sha2.h

# 1.102 openssl 1.1.1w

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## 1.103 cyrus-sasl 2.1.28

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# 1.104 dnsmasq 2.85

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

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

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

All

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

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no

2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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wpa\_supplc and hostapd  
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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c  
@@ -4,11 +4,11 @@ Rev: 23371  
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)  
\*/  
/\*

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

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```
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```

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```
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```

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

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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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#

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

# libraries.

#

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

#

# BSDLIB\_VERSION = 1.0

# BSDLIB\_IMAGE = libce

# BSDLIB\_MYDIR = et

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

#

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

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

BSDLIB\_PIC\_FLAG = -fpic

image: \$(BSD\_LIB)

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

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

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

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

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

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

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

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

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

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

@-\$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::

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

clean::

```
$(RM)
```

```
-rf pic
```

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

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

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before you ship. The release schedules for this package are flexible, if you give me enough lead time.

Theodore Ts'o  
23-June-2007

-----  
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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:  
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system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were  
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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 Fri Dec 14 22:24:35 EST 2007

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

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## 1.113 busybox 1.32.1

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bzip2/libbzip2 version 1.0.4 of 20 December 2006

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# 1.114 hostapd 2.9

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## 1.116 fuse 2.9.3

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## 1.117 memcached 1.5.7

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# 1.118 util-linux 2.30.2

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```
#!/usr/bin/env bash
MIT licenses will each have a unique MD5 sum since they contain a unique copyright.
This script will read the license file into memory, strip out the copyright, and then
generate an MD5 that is not unique and can be matched against a known MIT MD5 sum.
set -e

calculate_md5_sum() {
 local FILE="$1"

 # Read the contents of the file into a variable
 local raw_license_text=$(<"$FILE")

 # Convert to lowercase
 local lowercase_license_text="{raw_license_text,}"

 # Remove anything before the beginning of the license
 local stripped_license_text=$(awk '/permission is hereby granted,/{p=1} p' <<< "$lowercase_license_text")

 # Replace line breaks (Windows or Linux) with a single space
 local replaced_linebreaks=$(tr "\r\n" ' ' <<< "$stripped_license_text")

 # Replace multiple spaces with a single space
 local normalized_license_text=$(tr -s ' ' <<< "$replaced_linebreaks")
```



```

Strip away any non-printable, non-whitespace characters
local clean_unprintable_license_text=$(tr
-cd '[:print:][:space:]' <<< "$normalized_license_text")

Remove punctuation and special characters
local clean_license_text=$(echo "$clean_unprintable_license_text" | sed 's/[^a-zA-Z]//g')

Calculate the MD5 sum of the cleaned license text
local MD5SUM=$(echo -n "$clean_license_text" | md5sum | awk '{print $1}')

Output the MD5 sum
echo "$MD5SUM"
}

```

```

Check if the FILE argument is provided
if [-z "$1"]; then
 echo "Please provide a FILE as an argument."
 exit 1
fi

```

```

Invoke the function with the provided FILE argument
calculate_md5_sum "$1"

```

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WEV @@ WEV[B "1

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43mI,5WEV @@ WEV @mImImIAmImImI0mImImI\*mImI  
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lost+found...

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WEV[B "1  
/\*

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## 1.119 python 3.5.3

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

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

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

All

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

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

PSF    yes

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THE BASIC LIBRARY FUNCTIONS

-----

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

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\* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF

\* SUCH DAMAGE.

\*

\* @(#)tftp.h 8.1 (Berkeley) 6/2/93

\*/

Found in path(s):

\* /opt/cola/permits/1826454257\_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/tftp.h

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For more details see the file COPYING in the source

Found in path(s):

\* /opt/cola/permits/1826454257\_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/clockdiff.sgml

\* /opt/cola/permits/1826454257\_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/tracepath.sgml

\* /opt/cola/permits/1826454257\_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/arping.sgml

\* /opt/cola/permits/1826454257\_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/rarpd.sgml

\* /opt/cola/permits/1826454257\_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/traceroute6.sgml

\* /opt/cola/permits/1826454257\_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/pg3.sgml

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

=head1 NAME

docbook2man-spec - convert DocBook RefEntries to Unix manpages

=head1 SYNOPSIS

The SGMLSpm package from CPAN. This contains the sgmlspl script which is used to grok this file. Use it like this:

```
nsgmls some-docbook-document.sgml | sgmlspl docbook2man-spec.pl
```

=head1 DESCRIPTION

This is a sgmlspl spec file that produces Unix-style manpages from RefEntry markup.

See the accompanying RefEntry man page for 'plain new' documentation. :)

=head1 LIMITATIONS

Trying docbook2man on non-DocBook or non-conformant SGML results in undefined behavior. :-)

This program is a slow, dodgy Perl script.



This program does not come close to supporting all the possible markup in DocBook, and will produce wrong output in some cases with supported markup.

=head1 TODO

Add new element handling and fix existing handling. Be robust. Produce cleanest, readable man output as possible (unlike some other converters). Follow Linux man(7) convention. If this results in added logic in this script, that's okay. The code should still be reasonably organized.

Make it faster. If Perl sucks port it to another language.

=head1 COPYRIGHT

Copyright (C) 1998-1999 Steve Cheng <steve@ggi-project.org>

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=cut

# \$Id: docbook2man-spec.pl,v 1.1 2000/07/21 20:22:30 rosalia Exp \$

use SGMLS; # Use the SGMLS package.  
use SGMLS::Output; # Use stack-based output.  
use SGMLS::Refs;

```

SGMLSPL script produced automatically by
the script sgmlspl.pl

Document Type: any, but processes only RefEntries
Edited by: me :)
#####
```

\$write\_manpages = 0;  
\$blank\_xrefs = 0;

```

sgml('start', sub {
 push_output('nul');
 $raw_cdata = 1; # Makes it a bit faster.

 # Links file
 open(LINKSFILE, ">manpage.links");

 $Refs = new SGMLS::Refs("manpage.refs");
});
sgml('end', sub {
 close(LINKSFILE);
 if($blank_xrefs) {
 print STDERR "Warning: output contains unresolved XRefs\n";
 }
});

#####
#
Output helpers
#
#####

Our own version of sgml() and output() to allow simple string output
to play well with roff's stupid whitespace rules.

sub man_sgml
{
 if(ref($_[1]) eq 'CODE') {
 return &sgml;
 }

 my $s = $_[1];

 $s =~ s/\\|\\\|/g;
 $s =~ s/^\|$/g;

 # \n at the beginning means start at beginning of line
 if($s
 =~ s/^\n/) {
 $sub = 'sub { output "\n" unless $newline_last++; ';
 if($s eq ")") {
 sgml($_[0], eval('sub { output "\n" unless $newline_last++; }'));
 } elsif($s =~ /\n$/) {
 sgml($_[0], eval("sub { output \"\n\" unless \$newline_last++; output '$s'; }"));
 } else {

```



```

sub save_cdata()
{
$raw_cdata++;
push_output('string');
}

sub bold_on()
{
If the last font is also bold, don't change anything.
Basically this is to just get more readable man output.
if($fontstack[$#fontstack] ne 'bold') {
if(!$raw_cdata) {
output '\fB';
$newline_last = 0;
}
}
push(@fontstack, 'bold');
}

sub italic_on()
{
If the last font is also italic, don't change anything.
if($fontstack[$#fontstack] ne 'italic') {
if(!$raw_cdata) {
output '\fI';
$newline_last = 0;
}
}
push(@fontstack, 'italic');
}

sub font_off()
{
my $thisfont = pop(@fontstack);
my $lastfont = $fontstack[$#fontstack];

Only output font change if it is different
if($thisfont ne $lastfont) {
if($raw_cdata) { return; }
elsif($lastfont eq 'bold') { output '\fB'; }
elsif($lastfont eq 'italic') { output '\fI'; }
else { output '\fR'; }

$newline_last = 0;
}
}

```

```
#####
#
#
Manpage management
#
#####

sgml('<REFENTRY>', sub {
This will be overwritten at end of REFMETA, when we know the name of the page.
pop_output();

$write_manpages = 1; # Currently writing manpage.

$nocollapse_whitespace = 0; # Current whitespace collapse counter.
$newline_last = 1; # At beginning of line?
Just a bit of warning, you will see this variable manipulated
manually a lot. It makes the code harder to follow but it
saves you from having to worry about collapsing at the end of
parse, stopping at verbatims, etc.
$raw_cdata = 0; # Instructs certain output functions to
leave CDATA alone, so we can assign
it to a string and process it, etc.
@fontstack = (); # Fonts being activated.

$manpage_title = ""; # Needed for indexing.
$manpage_sect = "";
@manpage_names = ();

$manpage_misc = "";

$list_nestlevel = 0; # Indent certain nested
content.
});
sgml('</REFENTRY>', sub {
if(!$newline_last) {
output "\n";
}

$write_manpages = 0;
$raw_cdata = 1;
push_output('nul');
});

sgml('</REFMETA>', sub {
```

```

push_output('file', "$manpage_title.$manpage_sect");

output <<_END_BANNER;
.\|" This manpage has been automatically generated by docbook2man
.\|" from a DocBook document. This tool can be found at:
.\|" <http://shell.ipoline.com/~elmert/comp/docbook2X/>
.\|" Please send any bug reports, improvements, comments, patches,
.\|" etc. to Steve Cheng <steve\@ggi-project.org>.
_END_BANNER

my $manpage_date = `date "+%d %B %Y"`;

output '.TH "'";

If the title is not mixed-case, convention says to
uppercase the whole title. (The canonical title is
lowercase.)
if($manpage_title =~ /[A-Z]/) {
 output fold_string($manpage_title);
} else {
 output uc(fold_string($manpage_title));
}

output "' '", fold_string($manpage_sect),
"' '", fold_string(`date "+%d %B %Y"`),
"' '", $manpage_misc,
"' '",
$manpage_manual,
"\n";

$newline_last = 1;

References to this RefEntry.
my $id = $_[0]->parent->attribute('ID')->value;
if($id ne "") {
 # The 'package name' part of the section should
 # not be used when citing it.
 my ($sectnum) = ($manpage_sect =~ /[0-9]*/);

 if($_[0]->parent->attribute('XREFLABEL')->value eq "") {
 $Refs->put("refentry:$id", "$manpage_title($sectnum)");
 } else {
 $Refs->put("refentry:$id",
 $_[0]->parent->attribute('XREFLABEL')->value .
 "($sectnum)");
 }
}
});

```

```

sgml('<REFENTRYTITLE>', sub {
 if($_[0]->in('REFMETA')) {
 save_cdata();
 } else {
 # Manpage citations are in bold.
 bold_on();
 }
});
sgml('</REFENTRYTITLE>', sub {
 if($_[0]->in('REFMETA')) {
 $raw_cdata--;
 $manpage_title = pop_output();
 }
 else { font_off(); }
});

sgml('<MANVOLNUM>', sub {
 if($_[0]->in('REFMETA')) {
 save_cdata();
 } else {
 # Manpage citations use ().
 output '(';
 }
});
sgml('</MANVOLNUM>', sub {
 if($_[0]->in('REFMETA')) {
 $raw_cdata--;
 $manpage_sect
 = pop_output();
 }
 else { output ')' }
});

sgml('<REFMISCINFO>', \&save_cdata);
sgml('</REFMISCINFO>', sub {
 $raw_cdata--;
 $manpage_misc = fold_string(pop_output());
});

NAME section
man_sgml('<REFNAMEDIV>', "\n.SH NAME\n");

sgml('<REFNAME>', \&save_cdata);
sgml('</REFNAME>', sub {
 $raw_cdata--;
 push(@manpage_names, pop_output());
});

```

```

});

sgml('<REFPURPOSE>', \&save_cdata);
sgml('</REFPURPOSE>', sub {
 $raw_cdata--;
 my $manpage_purpose = fold_string(pop_output());

 for(my $i = 0; $i < $#manpage_names; $i++) {
 output fold_string($manpage_names[$i]), ', ';
 }

 output fold_string($manpage_names[$#manpage_names]);
 output " \|- $manpage_purpose\n";

 $newline_last = 1;

 foreach(@manpage_names) {
 # Don't link to itself
 if($_ ne $manpage_title) {
 print LINKSFILE "$manpage_title.$manpage_sect $_.$manpage_sect\n";
 }
 }
});

man_sgml('<REFCLASS>', "\n.sp\n");

#RefDescriptor

#####
#
#
SYNOPSIS section and synopses
#
#####

man_sgml('<REFSYNOPSISDIV>', "\n.SH SYNOPSIS\n");
man_sgml('</REFSYNOPSISDIV>', "\n");

FIXME! Must be made into block elements!!
#sgml('<FUNCSYNOPSIS>', \&bold_on);
#sgml('</FUNCSYNOPSIS>', \&font_off);
#sgml('<CMDSYNOPSIS>', \&bold_on);
#sgml('</CMDSYNOPSIS>', \&font_off);

```



```

man_sgml('<FUNCSYNOPSIS>', sub {
 man_output("\n.sp\n");
 bold_on();
});
man_sgml('</FUNCSYNOPSIS>', sub {
 font_off();
 man_output("\n");
});

man_sgml('<CMDSYNOPSIS>', "\n\n");
man_sgml('</CMDSYNOPSIS>', "\n\n");

man_sgml('<FUNCPROTOTYPE>', "\n.sp\n");

Arguments to functions. This is C convention.
man_sgml('<PARAMDEF>', '(');
man_sgml('</PARAMDEF>', ');');
man_sgml('<VOID>', '(void);');

sub arg_start
{
 # my $choice = $_[0]->attribute('CHOICE')->value;

 # The content model for CmdSynopsis doesn't include #PCDATA,
 # so we won't see any of the whitespace in the source file,
 #
 # so we have to add it after each component.
 output ' ';

 if($_[0]->attribute('CHOICE')->value =~ /opt/i) {
 output '[';
 }
 bold_on();
}
sub arg_end
{
 font_off();
 if($_[0]->attribute('REP')->value =~ /^Repeat/i) {
 italic_on();
 output ' ...';
 font_off();
 }
 if($_[0]->attribute('CHOICE')->value =~ /opt/i) {
 output ']';
 }
}

```

```
sgml('<ARG>', \&arg_start);
sgml('</ARG>', \&arg_end);
sgml('<GROUP>', \&arg_start);
sgml('</GROUP>', \&arg_end);
```

```
sgml('<OPTION>', \&bold_on);
sgml('</OPTION>', \&font_off);
```

```
FIXME: This is one _blank_ line.
man_sgml('<SBR>', "\n\n");
```

```
#####
#
General sections
#
#####
```

```
The name of the section is handled by TITLE. This just sets
up the roff markup.
man_sgml('<REFSECT1>', "\n.SH ");
man_sgml('<REFSECT2>', "\n.SS ");
man_sgml('<REFSECT3>', "\n.SS ");
```

```
#####
#
#
Titles, metadata.
#
#####
```

```
sgml('<TITLE>', sub {
 if($_[0]->in('REFERENCE') or $_[0]->in('BOOK')) {
 $write_manpages = 1;
 }
 save_cdata();
});
sgml('</TITLE>', sub {
 my $title = fold_string(pop_output());
 $raw_cdata--;

 if($_[0]->in('REFERENCE') or $_[0]->in('BOOK')) {
 # We use TITLE of enclosing Reference or Book as manual name
 $manpage_manual = $title;
 $write_manpages = 0;
 }
}
```

```

elseif(exists $_[0]->parent->ext->{'title'}) {
 # By far the easiest case. Just fold the string as
 # above, and then set the parent element's variable.
 $_[0]->parent->ext->{'title'} = $title;
}
else {
 # If the parent element's handlers are lazy,
 # output the folded string for them :)
 # We assume they want uppercase and a newline.
 output "", uc($title), "\\n";
 $newline_last = 1;
}
});

sgml('<ATTRIBUTE>', sub { push_output('string') });
sgml('</ATTRIBUTE>', sub { $_[0]->parent->ext->{'attribution'}
= pop_output(); });

```

# IGNORE.

```

sgml('<DOCINFO>', sub { push_output('nul'); });
sgml('</DOCINFO>', sub { pop_output(); });
sgml('<REFSECT1INFO>', sub { push_output('nul'); });
sgml('</REFSECT1INFO>', sub { pop_output(); });
sgml('<REFSECT2INFO>', sub { push_output('nul'); });
sgml('</REFSECT2INFO>', sub { pop_output(); });
sgml('<REFSECT3INFO>', sub { push_output('nul'); });
sgml('</REFSECT3INFO>', sub { pop_output(); });

```

```

sgml('<INDEXTERM>', sub { push_output('nul'); });
sgml('</INDEXTERM>', sub { pop_output(); });

```

```
#####
```

```
#
```

```
Set bold on enclosed content
```

```
#
```

```
#####
```

```
sgml('<APPLICATION>', \&bold_on); sgml('</APPLICATION>', \&font_off);
```

```

sgml('<CLASSNAME>', \&bold_on); sgml('</CLASSNAME>', \&font_off);
sgml('<STRUCTNAME>', \&bold_on); sgml('</STRUCTNAME>', \&font_off);
sgml('<STRUCTFIELD>', \&bold_on); sgml('</STRUCTFIELD>', \&font_off);
sgml('<SYMBOL>',
\&bold_on); sgml('</SYMBOL>', \&font_off);
sgml('<TYPE>', \&bold_on); sgml('</TYPE>', \&font_off);

```

```

sgml('<ENVAR>', \&bold_on); sgml('</ENVAR>', \&font_off);

sgml('<FUNCTION>', \&bold_on); sgml('</FUNCTION>', \&font_off);

sgml('<EMPHASIS>', \&bold_on); sgml('</EMPHASIS>', \&font_off);

sgml('<ERRORNAME>', \&bold_on); sgml('</ERRORNAME>', \&font_off);
ERRORTYPE

sgml('<COMMAND>', \&bold_on); sgml('</COMMAND>', \&font_off);

sgml('<GUIBUTTON>', \&bold_on); sgml('</GUIBUTTON>', \&font_off);
sgml('<GUIICON>', \&bold_on); sgml('</GUIICON>', \&font_off);
GUILABEL
GUIMENU
GUIMENUITEM
GUISUBMENU
MENUCHOICE
MOUSEBUTTON

sgml('<ACCEL>', \&bold_on); sgml('</ACCEL>', \&font_off);
sgml('<KEYCAP>', \&bold_on); sgml('</KEYCAP>', \&font_off);
sgml('<KEYSYM>', \&bold_on); sgml('</KEYSYM>', \&font_off);
KEYCODE
KEYCOMBO
SHORTCUT

sgml('<USERINPUT>', \&bold_on); sgml('</USERINPUT>', \&font_off);

sgml('<INTERFACEDEFINITION>', \&bold_on);
sgml('</INTERFACEDEFINITION>', \&font_off);

#
May need to look at the CLASS
sgml('<SYSTEMITEM>', \&bold_on);
sgml('</SYSTEMITEM>', \&font_off);

#####
#
Set italic on enclosed content
#
#####

sgml('<FIRSTTERM>', \&italic_on); sgml('</FIRSTTERM>', \&font_off);

```

```

sgml('<FILENAME>', \&italic_on); sgml('</FILENAME>', \&font_off);
sgml('<PARAMETER>', \&italic_on); sgml('</PARAMETER>', \&font_off);
sgml('<PROPERTY>', \&italic_on); sgml('</PROPERTY>', \&font_off);

sgml('<REPLACEABLE>', sub {
 italic_on();
 if($_->in("TOKEN")) {
 # When tokenizing, follow more 'intuitive' convention
 output "<";
 }
});
sgml('</REPLACEABLE>', sub {
 if($_->in("TOKEN")) {
 output ">";
 }
 font_off();
});

sgml('<CITETITLE>', \&italic_on); sgml('</CITETITLE>', \&font_off);
sgml('<FOREIGNPHRASE>', \&italic_on); sgml('</FOREIGNPHRASE>', \&font_off);

sgml('<LINEANNOTATION>', \&italic_on); sgml('</LINEANNOTATION>',
\&font_off);

#####
#
Other 'inline' elements
#
#####

man_sgml('<EMAIL>', '<');
man_sgml('</EMAIL>', '>');
man_sgml('<OPTIONAL>', '[');
man_sgml('</OPTIONAL>', ']');

man_sgml('</TRADEMARK>', "\\u\\s-2TM\\s+2\\d");

man_sgml('<COMMENT>', "[Comment: ");
man_sgml('</COMMENT>', "]");

man_sgml('<QUOTE>', "\"");
man_sgml('</QUOTE>', "\"");

```

```
#man_sgml('<LITERAL>', '');
#man_sgml('</LITERAL>', '');
```

```
No special presentation:
```

```
AUTHOR
AUTHORINITIALS
```

```
ABBREV
ACTION
ACRONYM
ALT
CITATION
PHRASE
QUOTE
WORDASWORD
```

```
COMPUTEROUTPUT
MARKUP
PROMPT
RETURNVALUE
SGMLTAG
TOKEN
```

```
DATABASE
HARDWARE
INTERFACE
MEDIALABEL
```

```
There doesn't seem to be a good way to represent LITERAL in -man
```

```
#####
```

```
#
```

```
Paragraph and paragraph-like elements
```

```
#
```

```
#####
```

```
sub
```

```
para_start {
output "\n" unless $newline_last++;
```

```
In lists, etc., don't start paragraph with .PP since
the indentation will be gone.
```

```
if($_[0]->parent->ext->{'nobreak'}==1) {
```

```

Usually this is the FIRST element of
a hanging tag, so we MUST not do a full
paragraph break.
$_[0]->parent->ext->{'nobreak'} = 2;
} elsif($_[0]->parent->ext->{'nobreak'}==2) {
Usually these are the NEXT elements of
a hanging tag. If we break using a blank
line, we're okay.
output "\n";
} else {
Normal case. (For indented blocks too, at least
-man isn't so braindead in this area.)
output ".PP\n";
}
}
Actually applies to a few other block elements as well
sub para_end {
output "\n" unless $newline_last++;
}

sgml('<PARA>', \¶_start);
sgml('</PARA>', \¶_end);
sgml('<SIMPARA>', \¶_start);
sgml('</SIMPARA>', \¶_end);

Nothing special, except maybe FIXME set nobreak.
sgml('<INFORMALEXAMPLE>',
\¶_start);
sgml('</INFORMALEXAMPLE>', \¶_end);

#####
#
Blocks using SS sections
#
#####

FIXME: We need to consider the effects of SS
in a hanging tag :(

Complete with the optional-title dilemma (again).
sgml('<ABSTRACT>', sub {
$_[0]->ext->{'title'} = 'ABSTRACT';
output "\n" unless $newline_last++;
push_output('string');

```

```

});
sgml('</ABSTRACT>', sub {
my $content = pop_output();

As ABSTRACT is never on the same level as RefSect1,
this leaves us with only .SS in terms of -man macros.
output ".SS \"", uc($_->ext->{'title'}), "\"\n";

output $content;
output "\n" unless $newline_last++;
});

Ah, I needed a break. Example always has a title.
man_sgml('<EXAMPLE>', "\n.SS ");
sgml('</EXAMPLE>', \¶_end);

Same with sidebar.
man_sgml('<SIDEBAR>', "\n.SS ");
sgml('</SIDEBAR>', \¶_end);

NO title.
man_sgml('<HIGHLIGHTS>',
"\n.SS HIGHLIGHTS\n");
sgml('</HIGHLIGHTS>', \¶_end);

#####
#
Indented 'Block' elements
#
#####

sub indent_block_start
{
output "\n" unless $newline_last++;
output ".sp\n.RS\n";
}
sub indent_block_end
{
output "\n" unless $newline_last++;
output ".RE\n";
}

This element is almost like an admonition (below),
only the default title is blank :)

```



```

sgml('<BLOCKQUOTE>', sub {
 $_[0]->ext->{'title'} = "";
 output "\n" unless $newline_last++;
 push_output('string');
});
sgml('</BLOCKQUOTE>', sub {
 my $content = pop_output();

 indent_block_start();

 if($_[0]->ext->{'title'}) {
 output ".B \"", $_[0]->ext->{'title'}, ":\n";
 }

 output $content;

 if($_[0]->ext->{'attribution'}) {
 output "\n" unless $newline_last++;
 # One place where roff's space-sensitivity makes sense :)
 output "\n -- ";
 output
 $_[0]->ext->{'attribution'} . "\n";
 }

 indent_block_end();
});

Set off admonitions from the rest of the text by indenting.
FIXME: Need to check if this works inside paragraphs, not enclosing them.
sub admonition_end {
 my $content = pop_output();

 indent_block_start();

 # When the admonition is only one paragraph,
 # it looks nicer if the title was inline.
 my $num_para;
 while ($content =~ /\.\PP/gm) { $num_para++ }
 if($num_para==1) {
 $content =~ s/\.\PP\n//;
 }

 output ".B \" . $_[0]->ext->{'title'} . ":\n";
 output $content;

 indent_block_end();
}

```

```

sgml('<NOTE>', sub {
We can't see right now whether or not there is a TITLE
element, so we have to save the output now and add it back
at the end of this admonition.
$_[0]->ext->{'title'} = 'Note';

Although admonition_end's indent_block_start will do this,
we need to synchronize the output _now_
output "\n" unless $newline_last++;

push_output('string');
});
sgml('</NOTE>', \&admonition_end);

#
Same as above.
sgml('<WARNING>', sub {
$_[0]->ext->{'title'} = 'Warning';
output "\n" unless $newline_last++;
push_output('string');
});
sgml('</WARNING>', \&admonition_end);

sgml('<TIP>', sub {
$_[0]->ext->{'title'} = 'Tip';
output "\n" unless $newline_last++;
push_output('string');
});
sgml('</TIP>', \&admonition_end);
sgml('<CAUTION>', sub {
$_[0]->ext->{'title'} = 'Caution';
output "\n" unless $newline_last++;
push_output('string');
});
sgml('</CAUTION>', \&admonition_end);

sgml('<IMPORTANT>', sub {
$_[0]->ext->{'title'} = 'Important';
output "\n" unless $newline_last++;
push_output('string');
});
sgml('</IMPORTANT>', \&admonition_end);

```

```
#####
#
Verbatim displays.
#
#####

sub verbatim_start {
 output "\n" unless $newline_last++;

 if($_[0]->parent->ext->{'nobreak'}==1) {
 # Usually this is the FIRST element of
 #
 a hanging tag, so we MUST not do a full
 # paragraph break.
 $_[0]->parent->ext->{'nobreak'} = 2;
 } else {
 output "\n";
 }

 output(".nf\n") unless $nocollapse_whitespace++;
}

sub verbatim_end {
 output "\n" unless $newline_last++;
 output(".fi\n") unless --$nocollapse_whitespace;
}

sgml('<PROGRAMLISTING>', \&verbatim_start);
sgml('</PROGRAMLISTING>', \&verbatim_end);

sgml('<SCREEN>', \&verbatim_start);
sgml('</SCREEN>', \&verbatim_end);

sgml('<LITERALLAYOUT>', \&verbatim_start);
sgml('</LITERALLAYOUT>', \&verbatim_end);

#sgml('<SYNOPSIS>', sub {
if($_[0]->attribute('FORMAT')->value =~ /linespecific/i) {
&verbatim_start;
} else {
roffcmd("");
}
}
```

```

#});
#
#sgml('</SYNOPSIS>', sub {
if($_[0]->attribute('FORMAT')->value =~ /linespecific/i) {
&verbatim_end;
}
else {
roffcmd("");# not sure about this.
}
#});
sgml('<SYNOPSIS>', \&verbatim_start);
sgml('</SYNOPSIS>', \&verbatim_end);

```

```

#####
#
#
Lists
#
#####

```

```

Indent nested lists.
sub indent_list_start {
if($list_nestlevel++) {
output "\n" unless $newline_last++;
output ".RS\n";
}
}
sub indent_list_end {
if(--$list_nestlevel) {
output "\n" unless $newline_last++;
output ".RE\n";
}
}

```

```

sgml('<VARIABLELIST>', \&indent_list_start);
sgml('</VARIABLELIST>', \&indent_list_end);
sgml('<ITEMIZEDLIST>', \&indent_list_start);
sgml('</ITEMIZEDLIST>', \&indent_list_end);
sgml('<ORDEREDLIST>', sub {
indent_list_start();

```

```

$_[0]->ext->{'count'} = 1;
});
sgml('</ORDEREDLIST>', \&indent_list_end);

Output content on one line, bolded.
sgml('<TERM>', sub {
 output "\n" unless $newline_last++;
 output ".TP\n";
 bold_on();
 push_output('string');
});
sgml('</TERM>', sub {
 my $term = pop_output();
 $term =~ tr/\n/ /;
 output $term;
 font_off();
 output "\n";
 $newline_last = 1;
});

sgml('<LISTITEM>', sub {
 # A bulleted list.
 if($_[0]->in('ITEMIZEDLIST'))
 {
 output "\n" unless $newline_last++;
 output ".TP 0.2i\n\\(bu\n";
 }

 # Need numbers.
 # Assume Arabic numeration for now.
 elsif($_[0]->in('ORDEREDLIST')) {
 output "\n" unless $newline_last++;
 output ".TP ", $_[0]->parent->ext->{'count'}++, ". \n";
 }

 $_[0]->ext->{'nobreak'} = 1;
});

sgml('<SIMPLELIST>', sub {
 $_[0]->ext->{'first_member'} = 1;
});

sgml('<MEMBER>', sub {
 my $parent = $_[0]->parent;

 if($parent->attribute('TYPE')->value =~ /Inline/i) {
 if($parent->ext->{'first_member'}) {
 # If this is the first member don't put any commas

```

```
$parent->ext->{'first_member'} = 0;
} else {
 output ", ";
}
} elseif($parent->attribute('TYPE')->value =~ /Vert/i) {
 output "\n" unless $newline_last++;
 output "\n";
}
});
```

```
#####
#
Stuff we don't know how to handle (yet)
#
#####
```

# Address blocks:

```
Credit stuff:
#
 ACKNO
ADDRESS
AFFILIATION
ARTPAGENUMS
CONTRIBUTION
AUTHORBLURB
AUTHORGROUP
OTHERCREDIT
HONORIFIC
```

```
Areas:
AREA
AREASET
AREASPEC
```

```
#####
#
Linkage, cross references
#
#####
```

```

Print the URL
sgml('</ULINK>', sub {
output ' <URL:', $_[0]->attribute('URL')->value, '>';
$newline_last = 0;
});

If cross reference target is a RefEntry,
output CiteRefEntry-style references.
sgml('<XREF>', sub {
my $id = $_[0]->attribute('LINKEND')->value;
my $manref = $Refs->get("refentry:$id");

if($manref) {
my ($title, $sect) = ($manref =~ /(.*)(\(.*\))/);
bold_on();
output $title;
font_off();
output $sect;
} else {
$blank_xrefs++ if $write_manpages;
output "[XRef to $id]";
}

$newline_last = 0;
});

Anchor

#####
#
Other handlers
#
#####

man_sgml('[lt
]', '<');
man_sgml('[gt]]', '>');
man_sgml('[amp]]', '&');

#
Default handlers (uncomment these if needed). Right now, these are set
up to gag on any unrecognised elements, sdata, processing-instructions,
or entities.
#

```





}

\$newline\_last = 1;  
});

sgml('sdata',sub { die "Unknown SDATA: " . \$\_[0]; });  
sgml('pi',sub { die "Unknown processing instruction: " . \$\_[0]; });  
sgml('entity',sub { die "Unknown external entity: " . \$\_[0]->name; });  
sgml('start\_subdoc',sub { die "Unknown subdoc entity: " . \$\_[0]->name; });  
sgml('end\_subdoc',"");  
sgml('conforming',"");

1;

Found in path(s):

\* /opt/cola/permits/1826454257\_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/docbook2man-spec.pl

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\*/

/\*

\* P I N G . C

\*

\* Using the InterNet Control Message Protocol (ICMP) "ECHO" facility,

\* measure round-trip-delays and packet loss across network paths.

\*

\* Author -

\* Mike Muuss

\* U. S. Army Ballistic Research Laboratory

\* December, 1983

\*

\* Status -

\* Public Domain. Distribution Unlimited.

\* Bugs -

\* More statistics could always be gathered.

\* This program has to run SUID to ROOT to access the ICMP socket.

\*/

Found in path(s):

\* /opt/cola/permits/1826454257\_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/ping.c

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\* tracepath.c

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\*

\* Authors: Alexey Kuznetsov, <kuznet@ms2.inr.ac.ru>

\*/

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\* tracepath6.c

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\* /opt/cola/permits/1826454257\_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/tftpd.shtml

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/\* pg3.c: Packet Generator for packet performance testing.

\*

\* Copyright 2001 by Robert Olsson <robert.olsson@its.uu.se>

\*

Uppsala University, Sweden

\*

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\*  
\*  
\*  
\*/

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\*

/opt/cola/permits/1826454257\_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/tftpsubs.c  
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```
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* arping.c
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* Authors: Alexey Kuznetsov, <kuznet@ms2.inr.ac.ru>
*/
```

Found in path(s):

```
* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/arping.c
```

# 1.124 paramiko 2.8.0

## 1.124.1 Available under license :

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Version 2.1, February 1999

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# 1.125 python 3.7.16

## 1.125.1 Available under license :

### 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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All



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

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

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## 1.126 tftp-hpa 5.2

### 1.126.1 Available under license :

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```
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```

Found in path(s):

```
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftpd/tftpd.8.in
```

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

Summary: The client for the Trivial File Transfer Protocol (TFTP).

Name: tftp

Version: 5.2

Release: 1

License: BSD

Group: Applications/Internet

Source0: <http://www.kernel.org/pub/software/network/tftp/tftp-hpa-%{version}.tar.gz>

BuildRequires: tcp\_wrappers-devel

BuildRoot: %{\_tmppath}/%{name}-root

%description

The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp package provides the user interface for TFTP, which allows users to transfer files to and from a remote machine. This program and TFTP provide very little security, and should not be enabled unless it is expressly needed.

%package server

Group: System Environment/Daemons

Summary: The server for the Trivial File Transfer Protocol (TFTP).

Requires: xinetd

%description server

The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp-server package provides the server for TFTP, which allows users to transfer files to and from a remote machine. TFTP provides very little security, and should not be enabled unless it is expressly needed. The TFTP server is run from /etc/xinetd.d/tftp, and is disabled by default on Red Hat Linux systems.

%prep

%setup -q -n tftp-hpa-%{version}

%build

%configure

make %{?\_smp\_mflags}

%install

rm -rf \${RPM\_BUILD\_ROOT}

mkdir -p \${RPM\_BUILD\_ROOT}%{\_bindir}

mkdir -p \${RPM\_BUILD\_ROOT}%{\_mandir}/man{1,8}

mkdir -p \${RPM\_BUILD\_ROOT}%{\_sbindir}

make INSTALLROOT=\${RPM\_BUILD\_ROOT} \

SBINDIR=\${\_sbindir} MANDIR=\${\_mandir} \

install

install -m755 -d \${RPM\_BUILD\_ROOT}%{\_sysconfdir}/xinetd.d/ \${RPM\_BUILD\_ROOT}/tftpboot

install -m644 tftp-xinetd \${RPM\_BUILD\_ROOT}%{\_sysconfdir}/xinetd.d/tftp

%post server

/sbin/service xinetd reload > /dev/null 2>&1 || :

%postun server

if [ \$1 = 0 ]; then

/sbin/service xinetd reload > /dev/null 2>&1 || :

fi

%clean

rm -rf \${RPM\_BUILD\_ROOT}

%files

%defattr(-,root,root)

%{\_bindir}/tftp

%{\_mandir}/man1/\*

%files

```
server
%defattr(-,root,root)
%config(noreplace) % {_sysconfdir}/xinetd.d/tftp
%dir /tftpboot
% {_sbindir}/in.tftpd
% {_mandir}/man8/*

%changelog
* Tue Sep 14 2004 H. Peter Anvin <hpa@zytor.com>
- removed completely broken "Malta" patch.
- integrated into build machinery so rpm -ta works.

* Fri Feb 13 2004 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Wed Jun 04 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Fri Apr 11 2003 Elliot Lee <sopwith@redhat.com>
- 0.33
- Add /tftpboot directory (#88204)

* Mon Feb 24 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Sun Feb 23 2003 Tim Powers <timp@redhat.com>
- add BuildPreReq on tcp_wrappers

* Wed Jan 22 2003 Tim Powers <timp@redhat.com>
- rebuilt

* Mon Nov 11 2002 Elliot Lee <sopwith@redhat.com> 0.32-1
- Update to 0.32

* Wed Oct 23 2002 Elliot Lee <sopwith@redhat.com> 0.30-1
- Fix #55789
- Update to 0.30

* Thu Jun 27 2002 Elliot Lee <sopwith@redhat.com>
- Try applying HJ's patch from #65476

* Fri Jun
21 2002 Tim Powers <timp@redhat.com>
- automated rebuild

* Mon Jun 17 2002 Elliot Lee <sopwith@redhat.com>
- Update to 0.29
```

- \* Thu May 23 2002 Tim Powers <timp@redhat.com>
  - automated rebuild
  
- \* Wed Jan 09 2002 Tim Powers <timp@redhat.com>
  - automated rebuild
  
- \* Tue Dec 18 2001 Elliot Lee <sopwith@redhat.com> 0.17-15
  - Add patch4: netkit-tftp-0.17-defaultport.patch for bug #57562
  - Update to tftp-hpa-0.28 (bug #56131)
  - Remove include/arpa/tftp.h to fix #57259
  - Add resource limits in tftp-xinetd (#56722)
  
- \* Sun Jun 24 2001 Elliot Lee <sopwith@redhat.com>
  - Bump release + rebuild.
  
- \* Tue Jun 12 2001 Helge Deller <hdeller@redhat.de> (0.17-13)
  - updated tftp-hpa source to tftp-hpa-0.17
  - tweaked specfile with different defines for tftp-netkit and tftp-hpa version
  - use hpa's tftpd.8 man page instead of the netkits one
  
- \* Mon May 07 2001 Helge Deller <hdeller@redhat.de>
  - rebuilt in 7.1.x
  
- \* Wed Apr 18 2001 Helge Deller <hdeller@redhat.de>
  - fix tftp client's put problems (#29529)
  - update
  - to tftp-hpa-0.16
  
- \* Wed Apr 4 2001 Jakub Jelinek <jakub@redhat.com>
  - don't let configure to guess compiler, it can pick up eggs
  
- \* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
  - changed "wait" in xinetd file to "yes" (hpa-tftpd forks and exits) (#26467)
  - fixed hpa-tftpd to handle files greater than 32MB (#23725)
  - added "-l" flag to hpa-tftpd for file-logging (#26467)
  - added description for "-l" to the man-page
  
- \* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
  - updated tftp client to 0.17 stable (#19640),
  - drop dependency on xinetd for tftp client (#25051),
  
- \* Wed Jan 17 2001 Jeff Johnson <jbj@redhat.com>
  - xinetd shouldn't wait on tftp (which forks) (#23923).
  
- \* Sat Jan 6 2001 Jeff Johnson <jbj@redhat.com>
  - fix to permit tftp put's (#18128).
  - startup as root with chroot to /tftpboot with early reversion to nobody is preferable to starting as nobody w/o ability to chroot.

- %%post is needed by server, not client. Add %%postun for erasure as well.

\* Wed Aug 23 2000

Nalin Dahyabhai <nalin@redhat.com>

- default to being disabled

\* Thu Aug 17 2000 Jeff Johnson <jbj@redhat.com>

- correct group.

\* Tue Jul 25 2000 Nalin Dahyabhai <nalin@redhat.com>

- change user from root to nobody

\* Sat Jul 22 2000 Jeff Johnson <jbj@redhat.com>

- update to tftp-hpa-0.14 (#14003).

- add server\_args (#14003).

- remove -D\_BSD\_SOURCE (#14003).

\* Fri Jul 21 2000 Nalin Dahyabhai <nalin@redhat.com>

- cook up an xinetd config file for tftpd

\* Wed Jul 12 2000 Prospector <bugzilla@redhat.com>

- automatic rebuild

\* Sun Jun 18 2000 Jeff Johnson <jbj@redhat.com>

- FHS packaging.

- update to 0.17.

\* Fri May 5 2000 Matt Wilson <msw@redhat.com>

- use \_BSD\_SOURCE for hpa's tftpd so we get BSD signal semantics.

\* Fri Feb 11 2000 Bill Nottingham <notting@redhat.com>

- fix description

\* Wed Feb 9 2000 Jeff Johnson <jbj@redhat.com>

- compress man pages (again).

\* Wed Feb 02 2000 Cristian Gafton <gafton@redhat.com>

- man pages are compressed

- fix description and summary

\* Tue

Jan 4 2000 Bill Nottingham <notting@redhat.com>

- split client and server

\* Tue Dec 21 1999 Jeff Johnson <jbj@redhat.com>

- update to 0.16.

\* Sat Aug 28 1999 Jeff Johnson <jbj@redhat.com>

- update to 0.15.

\* Wed Apr 7 1999 Jeff Johnson <jbj@redhat.com>  
- tftpd should truncate file when overwriting (#412)

\* Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>  
- auto rebuild in the new build environment (release 22)

\* Mon Mar 15 1999 Jeff Johnson <jbj@redhat.com>  
- compile for 6.0.

\* Fri Aug 7 1998 Jeff Johnson <jbj@redhat.com>  
- build root

\* Mon Apr 27 1998 Prospector System <bugs@redhat.com>  
- translations modified for de, fr, tr

\* Mon Sep 22 1997 Erik Troan <ewt@redhat.com>  
- added check for getpwnam() failure

\* Tue Jul 15 1997 Erik Troan <ewt@redhat.com>  
- initial build

Found in path(s):

\* /opt/cola/permits/1833546142\_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp.spec

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.\" 3. Neither the name of the University nor the names of its contributors
.\" without specific prior written permission.
```

Found in path(s):

\* /opt/cola/permits/1833546142\_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp/tftp.1.in

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

```
/* *_c_*-----*
*
*
```

```
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*
* This program is free software available under the same license
* as the "OpenBSD" operating system, distributed at
* http://www.openbsd.org/.
*
* ----- */
```

Found in path(s):

```
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/config.h
```

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

```
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*
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*
* This program is free software available under the same license
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* http://www.openbsd.org/.
*
* ----- */
```

Found in path(s):

```
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/remap.h
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/remap.c
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/misc.c
```

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

Summary: The client for the Trivial File Transfer Protocol (TFTP).

Name: tftp

Version: @@VERSION@@

Release: 1

License: BSD

Group: Applications/Internet

Source0: <http://www.kernel.org/pub/software/network/tftp/tftp-hpa-%{version}.tar.gz>

BuildRequires: tcp\_wrappers-devel

BuildRoot: %{\_tmppath}/%{name}-root

%description

The Trivial File Transfer Protocol (TFTP) is normally used only for booting diskless workstations. The tftp package provides the user interface for TFTP, which allows users to transfer files to and from a remote machine. This program and TFTP provide very little security, and should not be enabled unless it is expressly needed.



```

%package server
Group: System Environment/Daemons
Summary: The server for the Trivial File Transfer Protocol (TFTP).
Requires: xinetd

%description server
The Trivial File Transfer Protocol (TFTP) is normally used only for
booting diskless workstations. The tftp-server package
provides the
server for TFTP, which allows users to transfer files to and from a
remote machine. TFTP provides very little security, and should not be
enabled unless it is expressly needed. The TFTP server is run from
/etc/xinetd.d/tftp, and is disabled by default on Red Hat Linux systems.

%prep
%setup -q -n tftp-hpa-%{version}

%build

%configure
make %{?_smp_mflags}

%install
rm -rf ${RPM_BUILD_ROOT}
mkdir -p ${RPM_BUILD_ROOT}%{_bindir}
mkdir -p ${RPM_BUILD_ROOT}%{_mandir}/man{1,8}
mkdir -p ${RPM_BUILD_ROOT}%{_sbindir}

make INSTALLROOT=${RPM_BUILD_ROOT} \
 SBINDIR=%{_sbindir} MANDIR=%{_mandir} \
install
install -m755 -d ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/ ${RPM_BUILD_ROOT}/tftpboot
install -m644 tftp-xinetd ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/tftp

%post server
/sbin/service xinetd reload > /dev/null 2>&1 || :

%postun server
if [$1 = 0]; then
 /sbin/service xinetd reload > /dev/null 2>&1 || :
fi

%clean
rm -rf ${RPM_BUILD_ROOT}

%files
%defattr(-,root,root)

```

```
% {_bindir}/tftp
% {_mandir}/man1/*

%files
server
%defattr(-,root,root)
%config(noreplace) % {_sysconfdir}/xinetd.d/tftp
%dir /tftpboot
% {_sbindir}/in.tftpd
% {_mandir}/man8/*

%changelog
* Tue Sep 14 2004 H. Peter Anvin <hpa@zytor.com>
- removed completely broken "Malta" patch.
- integrated into build machinery so rpm -ta works.

* Fri Feb 13 2004 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Wed Jun 04 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Fri Apr 11 2003 Elliot Lee <sopwith@redhat.com>
- 0.33
- Add /tftpboot directory (#88204)

* Mon Feb 24 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Sun Feb 23 2003 Tim Powers <timp@redhat.com>
- add BuildPreReq on tcp_wrappers

* Wed Jan 22 2003 Tim Powers <timp@redhat.com>
- rebuilt

* Mon Nov 11 2002 Elliot Lee <sopwith@redhat.com> 0.32-1
- Update to 0.32

* Wed Oct 23 2002 Elliot Lee <sopwith@redhat.com> 0.30-1
- Fix #55789
- Update to 0.30

* Thu Jun 27 2002 Elliot Lee <sopwith@redhat.com>
- Try applying HJ's patch from #65476

*
Fri Jun 21 2002 Tim Powers <timp@redhat.com>
- automated rebuild
```

- \* Mon Jun 17 2002 Elliot Lee <sopwith@redhat.com>
  - Update to 0.29
  
- \* Thu May 23 2002 Tim Powers <timp@redhat.com>
  - automated rebuild
  
- \* Wed Jan 09 2002 Tim Powers <timp@redhat.com>
  - automated rebuild
  
- \* Tue Dec 18 2001 Elliot Lee <sopwith@redhat.com> 0.17-15
  - Add patch4: netkit-tftp-0.17-defaultport.patch for bug #57562
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  - tweaked specfile with different defines for tftp-netkit and tftp-hpa version
  - use hpa's tftpd.8 man page instead of the netkits one
  
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- \* Wed Apr 18 2001 Helge Deller <hdeller@redhat.de>
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  - 
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- \* Wed Apr 4 2001 Jakub Jelinek <jakub@redhat.com>
  - don't let configure to guess compiler, it can pick up eggs
  
- \* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
  - changed "wait" in xinetd file to "yes" (hpa-tftpd forks and exits) (#26467)
  - fixed hpa-tftpd to handle files greater than 32MB (#23725)
  - added "-l" flag to hpa-tftpd for file-logging (#26467)
  - added description for "-l" to the man-page
  
- \* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
  - updated tftp client to 0.17 stable (#19640),
  - drop dependency on xinetd for tftp client (#25051),
  
- \* Wed Jan 17 2001 Jeff Johnson <jbj@redhat.com>
  - xinetd shouldn't wait on tftp (which forks) (#23923).

\* Sat Jan 6 2001 Jeff Johnson <jbj@redhat.com>  
- fix to permit tftp put's (#18128).  
- startup as root with chroot to /tftpboot with early reversion to nobody is preferable to starting as nobody w/o ability to chroot.  
- %%post is needed by server, not client. Add %%postun for erasure as well.

\* Wed Aug  
23 2000 Nalin Dahyabhai <nalin@redhat.com>  
- default to being disabled

\* Thu Aug 17 2000 Jeff Johnson <jbj@redhat.com>  
- correct group.

\* Tue Jul 25 2000 Nalin Dahyabhai <nalin@redhat.com>  
- change user from root to nobody

\* Sat Jul 22 2000 Jeff Johnson <jbj@redhat.com>  
- update to tftp-hpa-0.14 (#14003).  
- add server\_args (#14003).  
- remove -D\_BSD\_SOURCE (#14003).

\* Fri Jul 21 2000 Nalin Dahyabhai <nalin@redhat.com>  
- cook up an xinetd config file for tftpd

\* Wed Jul 12 2000 Prospector <bugzilla@redhat.com>  
- automatic rebuild

\* Sun Jun 18 2000 Jeff Johnson <jbj@redhat.com>  
- FHS packaging.  
- update to 0.17.

\* Fri May 5 2000 Matt Wilson <msw@redhat.com>  
- use \_BSD\_SOURCE for hpa's tftpd so we get BSD signal semantics.

\* Fri Feb 11 2000 Bill Nottingham <notting@redhat.com>  
- fix description

\* Wed Feb 9 2000 Jeff Johnson <jbj@redhat.com>  
- compress man pages (again).

\* Wed Feb 02 2000 Cristian Gafton <gafton@redhat.com>  
- man pages are compressed  
- fix description and summary

\*

Tue Jan 4 2000 Bill Nottingham <notting@redhat.com>  
- split client and server

\* Tue Dec 21 1999 Jeff Johnson <jbj@redhat.com>

- update to 0.16.

\* Sat Aug 28 1999 Jeff Johnson <jbj@redhat.com>

- update to 0.15.

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- tftpd should truncate file when overwriting (#412)

\* Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>

- auto rebuild in the new build environment (release 22)

\* Mon Mar 15 1999 Jeff Johnson <jbj@redhat.com>

- compile for 6.0.

\* Fri Aug 7 1998 Jeff Johnson <jbj@redhat.com>

- build root

\* Mon Apr 27 1998 Prospector System <bugs@redhat.com>

- translations modified for de, fr, tr

\* Mon Sep 22 1997 Erik Troan <ewt@redhat.com>

- added check for getpwnam() failure

\* Tue Jul 15 1997 Erik Troan <ewt@redhat.com>

- initial build

Found in path(s):

\* /opt/cola/permits/1833546142\_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp.spec.in

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/\* ----- \*/

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\*

\* ----- \*/

Found in path(s):

\* /opt/cola/permits/1833546142\_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/recvfrom.h

\* /opt/cola/permits/1833546142\_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/recvfrom.c



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\*/

Found

in path(s):

\*/opt/cola/permits/1833546142\_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftpd/tftpd.c

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\* /opt/cola/permits/1833546142\_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp/extern.h

\*

/opt/cola/permits/1833546142\_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/common/tftpsubs.h

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Found in path(s):



```
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/common/tftpsubs.c
*
/opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp/main.c
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp/tftp.c
```

# 1.127 pam 0.85.1

## 1.127.1 Available under license :

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## 1.128 python-certifi 2023.11.17

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication. Just configure this file as the SSLCACertificateFile.#

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@(#) \$RCSfile: certdata.txt,v \$ \$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

## 1.129 pciutils 3.4.0

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## 1.130 netbsd-resolv 2.23

### 1.130.1 Available under license :

Description: Don't warn for \_BSD\_SOURCE || \_SVID\_SOURCE, drop post-vivid  
Author: Adam Conrad <adconrad@ubuntu.com>

```
--- glibc-2.21.orig/include/features.h
+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
 transitioned to use the new macro. */
#if (defined _BSD_SOURCE || defined _SVID_SOURCE) \
 && !defined _DEFAULT_SOURCE
+/* Don't #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror
+ and we don't have time to check/fix everything before vivid release
warning "_BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
+*/
undef _DEFAULT_SOURCE
define _DEFAULT_SOURCE 1
#endif
```

This is the Debian prepackaged version of the GNU C Library version 2.23.

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