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```
IQ ;
<=(?
@
A
B C D E! F" G# H$ I% J& KLUUserRead
PermissionInnerClasses0Lorg/apache/sshd/common/file/SshFile$Permission; UserWriteUserExecute GroupRead
GroupWriteGroupExecute
OthersReadOthersWrite
OthersExecute$VALUES1[Lorg/apache/sshd/common/file/SshFile$Permission;values3()[Lorg/apache/sshd/commo
n/file/SshFile$Permission;CodeLineNumberTablevalueOfD(Ljava/lang/String;)Lorg/apache/sshd/common/file/SshF
ile$Permission;LocalVariableTablenameLjava/lang/String;<init>(Ljava/lang/String;I)Vthis
Signature()V<clinit>BLjava/lang/Enum<Lorg/apache/sshd/common/file/SshFile$Permission;>;
SourceFileSshFile.java'(MNO.org/apache/sshd/common/file/SshFile$Permission-P2323
!"#$%&java/lang/Enumclone()Ljava/lang/Object;#org/apache/sshd/common/file/SshFile5(Ljava/lang/Class;Ljava/la
ng/String;)Ljava/lang/Enum;@1
@@@ @!@"@#@$%&'()*+
,9 -.+5*,9/0123+1*+,9/45676+Y Y
Y
YYYYYYY Y SYSY
SYSYSYSYSYSYS,*
:
;<'=4>A?N@\AjBx9589:
>@
/****
* http://asm.objectweb.org/
*
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```

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*/

0

```
nameLjava/lang/String:url<init>'(Ljava/lang/String;Ljava/lang/String;)VCodeLineNumberTableLocalVariableTable
this/Lorg/apache/ivy/core/module/descriptor/License;getName()Ljava/lang/String;getUrl
SourceFileLicense.java -org/apache/ivy/core/module/descriptor/Licensejava/lang/Object()V!
```

Y**+*,

/*

/*#

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1.4 bzip2 1.0.6

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Julian Seward, Cambridge, UK.

jseward@acm.org

bzip2/libbzip2 version 1.0.2 of 30 December 2001

/*

minibz2

libbz2.dll test program.
by Yoshioka Tsuneo (tsuneo@rr.ij4u.or.jp)
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```
usage: minibz2 [-d] [-{1,2,..9}] [[srcfilename] destfilename]
*/
%%CreationDate: Wed Dec 22 1999
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```

1.5 e2fsprogs 1.38

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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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- + Copyright (C) Andrew Tridgell 1999-2005
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Theodore Ts'o
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```

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

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

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

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

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

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

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

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#

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

#

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

#

BSDLIB_VERSION = 1.0

BSDLIB_IMAGE = libce

BSDLIB_MYDIR = et

BSDLIB_INSTALL_DIR = \$(SHLIBDIR)

#

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

BSD_LIB = \$(BSDLIB_IMAGE).so.\$(BSDLIB_VERSION)

```
BSDLIB_PIC_FLAG = -fpic
```

```
image: $(BSD_LIB)
```

```
$(BSD_LIB): $(OBJS)
```

```
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LD_FLAGS_SHLIB) $(OBJS))
```

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

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

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

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

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

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

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

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

```
@-$(LDCONFIG)
```

```
install-strip: install
```

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

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

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

```
clean::
```

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

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

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

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

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

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1.6 liburcu 0.8.6

1.6.1 Available under license :

Mathieu Desnoyers
May 13th, 2009

IBM Corporation allowed LGPLv2.1+ licensing of their contribution to the userspace RCU library in a patch submitted on May 8, 2009 from Paul E. McKenney and reviewed by Steven L. Bennett:

<http://lists.casi.polymtl.ca/pipermail/ltt-dev/2009-May/001584.html>

I (Mathieu Desnoyers) re-implemented ACCESS_ONCE(), likely(), unlikely() and barrier() from scratch without reference to the original code.

commit id : 2dc5fa0f7cfbfb0a64a7a67b39626650e863f16a

Bert Wesarg <bert.wesarg@googlemail.com> approved LGPL relicensing of his patch in an email dated May 13, 2009 :

<http://lkml.org/lkml/2009/5/13/16>

xchg() primitives has been rewritten from a MIT-licensed cmpxchg for Intel and powerpc. They are MIT-licensed and therefore usable in LGPL code. This cmpxchg code was obtained from the atomic_ops project:

http://www.hpl.hp.com/research/linux/atomic_ops/

I (Mathieu Desnoyers) wrote the remainder of the code.

The license for the library files in this project was therefore changed to LGPLv2.1 on May 13, 2009, as detailed in LICENSE.

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Version 2.1, February 1999

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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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1.8 nfs-utils 1.1.1

1.8.1 Available under license :

rpc.statd -- Network Status Monitor (NSM) protocol daemon for Linux.
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1.9 iptables 1.4.5

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```

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1.11 libnet 1.1.2.1

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1.12 setserial 2.17

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1.13 sg3-utils 1.35

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Douglas Gilbert

10th April 2012

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1.14 glib 2.46.2

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End

```
/*  
*****
```

```
* Perl-Compatible Regular Expressions *
```

```
*****/  
*/
```

```
/* This is the public header file for the PCRE library, to be #included by  
applications that call the PCRE functions.
```

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```
-----
*/

#ifndef _PCRE_H
#define _PCRE_H

/* The current PCRE version information. */

#define PCRE_MAJOR      8
#define PCRE_MINOR      31
#define PCRE_PRERELEASE
#define PCRE_DATE        2012-07-06

/* When an application links to a PCRE DLL in Windows, the symbols that are
imported have to be identified as such. When building PCRE, the appropriate
export setting is defined in pcre_internal.h, which includes this file. So we
don't change existing definitions of PCRE_EXP_DECL and PCRECPP_EXP_DECL. */

#if defined(_WIN32) && !defined(PCRE_STATIC)
# ifndef PCRE_EXP_DECL
#  define PCRE_EXP_DECL extern __declspec(dllimport)
# endif
# ifdef __cplusplus
#  ifndef PCRECPP_EXP_DECL
#   define PCRECPP_EXP_DECL extern __declspec(dllimport)
#  endif
#  ifndef PCRECPP_EXP_DEFN
#   define PCRECPP_EXP_DEFN __declspec(dllimport)
#  endif
# endif
#endif

/* By default, we use the standard "extern" declarations. */

#ifndef PCRE_EXP_DECL
```

```

# ifdef __cplusplus
#  define PCRE_EXP_DECL extern "C"
# else
#  define PCRE_EXP_DECL extern
# endif
#endif

#ifndef __cplusplus
# ifndef PCRECPP_EXP_DECL
#  define PCRECPP_EXP_DECL extern
# endif
# ifndef PCRECPP_EXP_DEFN
#  define PCRECPP_EXP_DEFN
# endif
#endif

/* Have to include stdlib.h in order to ensure that size_t is defined;
it is needed here for malloc. */

#include <stdlib.h>

/* Allow for C++ users */

#ifdef __cplusplus
extern "C" {
#endif

/* Options. Some are compile-time only, some are run-time only, and some are
both, so we keep them all distinct. However, almost all the bits in the options
word are now used. In the long run, we may have to re-use some of the
compile-time only bits for runtime options, or vice versa. In the comments
below, "compile", "exec", and "DFA exec" mean that the option is permitted to
be set for those functions; "used in" means that an option may be set only for
compile, but is subsequently referenced in exec and/or DFA exec. Any of the
compile-time options may be inspected during studying (and therefore JIT
compiling). */

#define PCRE_CASELESS      0x00000001 /* Compile */
#define PCRE_MULTILINE     0x00000002 /* Compile */
#define PCRE_DOTALL       0x00000004 /* Compile */
#define PCRE_EXTENDED      0x00000008 /* Compile */
#define PCRE_ANCHORED     0x00000010 /* Compile, exec, DFA exec */
#define PCRE_DOLLAR_ENDONLY 0x00000020 /* Compile, used in exec, DFA exec */
#define PCRE_EXTRA        0x00000040 /* Compile */
#define PCRE_NOTBOL       0x00000080 /* Exec, DFA exec */
#define PCRE_NOTEOL       0x00000100 /* Exec, DFA exec */
#define PCRE_UNGREEDY     0x00000200 /* Compile */
#define PCRE_NOTEMPTY     0x00000400 /* Exec, DFA exec */

```

```

/* The next two are also used in exec and DFA exec */
#define PCRE_UTF8          0x00000800 /* Compile (same as PCRE_UTF16) */
#define PCRE_UTF16        0x00000800 /* Compile (same as PCRE_UTF8) */
#define PCRE_NO_AUTO_CAPTURE 0x00001000 /* Compile */
/* The next two are also used in exec and DFA exec */
#define PCRE_NO_UTF8_CHECK 0x00002000 /* Compile (same as PCRE_NO_UTF16_CHECK) */
#define PCRE_NO_UTF16_CHECK 0x00002000 /* Compile (same as PCRE_NO_UTF8_CHECK) */
#define PCRE_AUTO_CALLOUT 0x00004000 /* Compile */
#define PCRE_PARTIAL_SOFT 0x00008000 /* Exec, DFA exec */
#define PCRE_PARTIAL      0x00008000 /* Backwards compatible synonym */
#define PCRE_DFA_SHORTEST 0x00010000 /* DFA exec */
#define PCRE_DFA_RESTART 0x00020000 /* DFA exec */
#define PCRE_FIRSTLINE    0x00040000 /* Compile, used in exec, DFA exec */
#define PCRE_DUPNAMES     0x00080000 /* Compile */
#define PCRE_NEWLINE_CR   0x00100000 /* Compile, exec, DFA exec */
#define PCRE_NEWLINE_LF   0x00200000 /* Compile, exec, DFA exec */
#define PCRE_NEWLINE_CRLF 0x00300000 /* Compile, exec, DFA exec */
#define PCRE_NEWLINE_ANY 0x00400000 /* Compile, exec, DFA exec */
#define PCRE_NEWLINE_ANYCRLF 0x00500000 /* Compile, exec, DFA exec */
#define PCRE_BSR_ANYCRLF 0x00800000 /* Compile, exec, DFA exec */
#define PCRE_BSR_UNICODE 0x01000000 /* Compile, exec, DFA exec */
#define PCRE_JAVASCRIPT_COMPAT 0x02000000 /* Compile, used in exec */
#define PCRE_NO_START_OPTIMIZE 0x04000000 /* Compile, exec, DFA exec */
#define PCRE_NO_START_OPTIMISE 0x04000000 /* Synonym */
#define PCRE_PARTIAL_HARD 0x08000000 /* Exec, DFA exec */
#define PCRE_NOTEMPTY_ATSTART 0x10000000 /* Exec, DFA exec */
#define PCRE_UCP          0x20000000 /* Compile, used in exec, DFA exec */

```

```

/* Exec-time and get/set-time error codes */

```

```

#define PCRE_ERROR_NOMATCH      (-1)
#define PCRE_ERROR_NULL         (-2)
#define PCRE_ERROR_BADOPTION    (-3)
#define PCRE_ERROR_BADMAGIC     (-4)
#define PCRE_ERROR_UNKNOWN_OPCODE (-5)
#define PCRE_ERROR_UNKNOWN_NODE  (-5) /* For backward compatibility */
#define PCRE_ERROR_NOMEMORY     (-6)
#define PCRE_ERROR_NOSUBSTRING  (-7)
#define PCRE_ERROR_MATCHLIMIT   (-8)
#define PCRE_ERROR_CALLOUT      (-9) /* Never used by PCRE itself */
#define PCRE_ERROR_BADUTF8      (-10) /* Same for 8/16 */
#define PCRE_ERROR_BADUTF16     (-10) /* Same for 8/16 */
#define PCRE_ERROR_BADUTF8_OFFSET (-11) /* Same for 8/16 */
#define PCRE_ERROR_BADUTF16_OFFSET (-11) /* Same for 8/16 */
#define PCRE_ERROR_PARTIAL      (-12)
#define PCRE_ERROR_BADPARTIAL   (-13)
#define PCRE_ERROR_INTERNAL     (-14)
#define PCRE_ERROR_BADCOUNT    (-15)

```

```

#define PCRE_ERROR_DFA_UITEM    (-16)
#define PCRE_ERROR_DFA_UCOND    (-17)
#define PCRE_ERROR_DFA_UMLIMIT  (-18)
#define PCRE_ERROR_DFA_WSSIZE   (-19)
#define PCRE_ERROR_DFA_RECURSE  (-20)
#define PCRE_ERROR_RECURSIONLIMIT (-21)
#define PCRE_ERROR_NULLWSLIMIT  (-22) /* No longer actually used */
#define PCRE_ERROR_BADNEWLINE    (-23)
#define PCRE_ERROR_BADOFFSET    (-24)
#define PCRE_ERROR_SHORTUTF8     (-25)
#define PCRE_ERROR_SHORTUTF16   (-25) /* Same for 8/16 */
#define PCRE_ERROR_RECURSELOOP  (-26)
#define PCRE_ERROR_JIT_STACKLIMIT (-27)
#define PCRE_ERROR_BADMODE      (-28)
#define PCRE_ERROR_BADENDIANNESS (-29)
#define PCRE_ERROR_DFA_BADRESTART (-30)

```

/* Specific error codes for UTF-8 validity checks */

```

#define PCRE_UTF8_ERR0      0
#define PCRE_UTF8_ERR1      1
#define PCRE_UTF8_ERR2      2
#define PCRE_UTF8_ERR3      3
#define PCRE_UTF8_ERR4      4
#define PCRE_UTF8_ERR5      5
#define PCRE_UTF8_ERR6      6
#define PCRE_UTF8_ERR7      7
#define PCRE_UTF8_ERR8      8
#define PCRE_UTF8_ERR9      9
#define PCRE_UTF8_ERR10     10
#define PCRE_UTF8_ERR11     11
#define PCRE_UTF8_ERR12     12
#define PCRE_UTF8_ERR13     13
#define PCRE_UTF8_ERR14     14
#define PCRE_UTF8_ERR15     15
#define PCRE_UTF8_ERR16     16
#define PCRE_UTF8_ERR17     17
#define PCRE_UTF8_ERR18     18
#define PCRE_UTF8_ERR19     19
#define PCRE_UTF8_ERR20     20
#define PCRE_UTF8_ERR21     21

```

/* Specific error codes for UTF-16 validity checks */

```

#define PCRE_UTF16_ERR0      0
#define PCRE_UTF16_ERR1      1
#define PCRE_UTF16_ERR2      2
#define PCRE_UTF16_ERR3      3

```

```

#define PCRE_UTF16_ERR4          4

/* Request types for pcre_fullinfo() */

#define PCRE_INFO_OPTIONS        0
#define PCRE_INFO_SIZE          1
#define PCRE_INFO_CAPTURECOUNT 2
#define PCRE_INFO_BACKREFMAX    3
#define PCRE_INFO_FIRSTBYTE     4
#define PCRE_INFO_FIRSTCHAR     4 /* For backwards compatibility */
#define PCRE_INFO_FIRSTTABLE    5
#define PCRE_INFO_LASTLITERAL   6
#define PCRE_INFO_NAMEENTRYSIZE 7
#define PCRE_INFO_NAMECOUNT    8
#define PCRE_INFO_NAMETABLE    9
#define PCRE_INFO_STUDYSIZE    10
#define PCRE_INFO_DEFAULT_TABLES 11
#define PCRE_INFO_OKPARTIAL    12
#define PCRE_INFO_JCHANGED     13
#define PCRE_INFO_HASCORRLF    14
#define PCRE_INFO_MINLENGTH    15
#define PCRE_INFO_JIT          16
#define PCRE_INFO_JITSIZE      17
#define PCRE_INFO_MAXLOOKBEHIND 18

/* Request types for pcre_config(). Do not re-arrange, in order to remain
compatible. */

#define PCRE_CONFIG_UTF8        0
#define PCRE_CONFIG_NEWLINE    1
#define PCRE_CONFIG_LINK_SIZE  2
#define PCRE_CONFIG_POSIX_MALLOC_THRESHOLD 3
#define PCRE_CONFIG_MATCH_LIMIT 4
#define PCRE_CONFIG_STACKRECURSE 5
#define PCRE_CONFIG_UNICODE_PROPERTIES 6
#define PCRE_CONFIG_MATCH_LIMIT_RECURSION 7
#define PCRE_CONFIG_BSR        8
#define PCRE_CONFIG_JIT        9
#define PCRE_CONFIG_UTF16     10
#define PCRE_CONFIG_JITTARGET  11

/* Request types for pcre_study(). Do not re-arrange, in order to remain
compatible. */

#define PCRE_STUDY_JIT_COMPILE      0x0001
#define PCRE_STUDY_JIT_PARTIAL_SOFT_COMPILE 0x0002
#define PCRE_STUDY_JIT_PARTIAL_HARD_COMPILE 0x0004

```

```

/* Bit flags for the pcre[16]_extra structure. Do not re-arrange or redefine
these bits, just add new ones on the end, in order to remain compatible. */

#define PCRE_EXTRA_STUDY_DATA      0x0001
#define PCRE_EXTRA_MATCH_LIMIT     0x0002
#define PCRE_EXTRA_CALLOUT_DATA    0x0004
#define PCRE_EXTRA_TABLES         0x0008
#define PCRE_EXTRA_MATCH_LIMIT_RECURSION 0x0010
#define PCRE_EXTRA_MARK           0x0020
#define PCRE_EXTRA_EXECUTABLE_JIT  0x0040

/* Types */

struct real_pcre;          /* declaration; the definition is private */
typedef struct real_pcre pcre;

struct real_pcre16;       /* declaration; the definition is private */
typedef struct real_pcre16 pcre16;

struct real_pcre_jit_stack; /* declaration; the definition is private */
typedef struct real_pcre_jit_stack pcre_jit_stack;

struct real_pcre16_jit_stack; /* declaration; the definition is private */
typedef struct real_pcre16_jit_stack pcre16_jit_stack;

/* If PCRE is compiled with 16 bit character support, PCRE_UCHAR16 must contain
a 16 bit wide signed data type. Otherwise it can be a dummy data type since
pcre16 functions are not implemented. There is a check for this in pcre_internal.h. */
#ifndef PCRE_UCHAR16
#define PCRE_UCHAR16 unsigned short
#endif

#ifndef PCRE_SPTR16
#define PCRE_SPTR16 const PCRE_UCHAR16 *
#endif

/* When PCRE is compiled as a C++ library, the subject pointer type can be
replaced with a custom type. For conventional use, the public interface is a
const char *. */

#ifndef PCRE_SPTR
#define PCRE_SPTR const char *
#endif

/* The structure for passing additional data to pcre_exec(). This is defined in
such a way as to be extensible. Always add new fields at the end, in order to
remain compatible. */

```

```

typedef struct pcre_extra {
    unsigned long int flags;      /* Bits for which fields are set */
    void *study_data;           /* Opaque data from pcre_study() */
    unsigned long int match_limit; /* Maximum number of calls to match() */
    void *callout_data;         /* Data passed back in callouts */
    const unsigned char *tables; /* Pointer to character tables */
    unsigned long int match_limit_recursion; /* Max recursive calls to match() */
    unsigned char **mark;        /* For passing back a mark pointer */
    void *executable_jit;        /* Contains a pointer to a compiled jit code */
} pcre_extra;

```

/* Same structure as above, but with 16 bit char pointers. */

```

typedef struct pcre16_extra {
    unsigned long int flags;      /* Bits for which fields are set */
    void *study_data;           /* Opaque data from pcre_study() */
    unsigned long int match_limit; /* Maximum number of calls to match() */
    void *callout_data;         /* Data passed back in callouts */
    const unsigned char *tables; /* Pointer to character tables */
    unsigned long int match_limit_recursion; /* Max recursive calls to match() */
    PCRE_UCHAR16 **mark;        /* For passing back a mark pointer */
    void *executable_jit;        /* Contains a pointer to a compiled jit code */
} pcre16_extra;

```

/* The structure for passing out data via the pcre_callout_function. We use a structure so that new fields can be added on the end in future versions, without changing the API of the function, thereby allowing old clients to work without modification. */

```

typedef struct pcre_callout_block {
    int    version;      /* Identifies version of block */
    /* ----- Version 0 ----- */
    int    callout_number; /* Number compiled into pattern */
    int    *offset_vector; /* The offset vector */
    PCRE_SPTR  subject;   /* The subject being matched */
    int    subject_length; /* The length of the subject */
    int    start_match;   /* Offset to start of this match attempt */
    int    current_position; /* Where we currently are in the subject */
    int    capture_top;   /* Max current capture */
    int    capture_last;  /* Most recently closed capture */
    void    *callout_data; /* Data passed in with the call */
    /* ----- Added for Version 1 ----- */
    int    pattern_position; /* Offset to next item in the pattern */
    int    next_item_length; /* Length of next item in the pattern */
    /* ----- Added for Version 2 ----- */
    const unsigned char *mark; /* Pointer to current mark or NULL */
    /* ----- */
} pcre_callout_block;

```

```

/* Same structure as above, but with 16 bit char pointers. */

typedef struct pcre16_callout_block {
    int    version;      /* Identifies version of block */
    /* ----- Version 0 ----- */
    int    callout_number; /* Number compiled into pattern */
    int    *offset_vector; /* The offset vector */
    PCRE_SPTR16 subject; /* The subject being matched */
    int    subject_length; /* The length of the subject */
    int    start_match; /* Offset to start of this match attempt */
    int    current_position; /* Where we currently are in the subject */
    int    capture_top; /* Max current capture */
    int    capture_last; /* Most recently closed capture */
    void    *callout_data; /* Data passed in with the call */
    /* ----- Added for Version 1 ----- */
    int    pattern_position; /* Offset to next item in the pattern */
    int    next_item_length; /* Length of next item in the pattern */
    /* ----- Added for Version 2 ----- */
    const PCRE_UCHAR16 *mark; /* Pointer to current mark or NULL */
    /* ----- */
} pcre16_callout_block;

```

/* Indirection for store get and free functions. These can be set to alternative malloc/free functions if required. Special ones are used in the non-recursive case for "frames". There is also an optional callout function that is triggered by the (?) regex item. For Virtual Pascal, these definitions have to take another form. */

```

#ifdef VPCOMPAT
PCRE_EXP_DECL void (*pcre_malloc)(size_t);
PCRE_EXP_DECL void (*pcre_free)(void *);
PCRE_EXP_DECL void (*pcre_stack_malloc)(size_t);
PCRE_EXP_DECL void (*pcre_stack_free)(void *);
PCRE_EXP_DECL int (*pcre_callout)(pcre_callout_block *);

PCRE_EXP_DECL void (*pcre16_malloc)(size_t);
PCRE_EXP_DECL void (*pcre16_free)(void *);
PCRE_EXP_DECL void (*pcre16_stack_malloc)(size_t);
PCRE_EXP_DECL void (*pcre16_stack_free)(void *);
PCRE_EXP_DECL int (*pcre16_callout)(pcre16_callout_block *);
#else /* VPCOMPAT */
PCRE_EXP_DECL void *pcre_malloc(size_t);
PCRE_EXP_DECL void pcre_free(void *);
PCRE_EXP_DECL void *pcre_stack_malloc(size_t);
PCRE_EXP_DECL void pcre_stack_free(void *);
PCRE_EXP_DECL int pcre_callout(pcre_callout_block *);

```



```

PCRE_EXP_DECL void *pcre16_malloc(size_t);
PCRE_EXP_DECL void pcre16_free(void *);
PCRE_EXP_DECL void *pcre16_stack_malloc(size_t);
PCRE_EXP_DECL void pcre16_stack_free(void *);
PCRE_EXP_DECL int pcre16_callout(pcre16_callout_block *);
#endif /* VPCOMPAT */

/* User defined callback which provides a stack just before the match starts. */

typedef pcre_jit_stack>(*pcre_jit_callback)(void *);
typedef pcre16_jit_stack>(*pcre16_jit_callback)(void *);

/* Exported PCRE functions */

PCRE_EXP_DECL pcre *pcre_compile(const char *, int, const char **, int *,
    const unsigned char *);
PCRE_EXP_DECL pcre16 *pcre16_compile(PCRE_SPTR16, int, const char **, int *,
    const unsigned char *);
PCRE_EXP_DECL pcre *pcre_compile2(const char *, int, int *, const char **,
    int *, const unsigned char *);
PCRE_EXP_DECL pcre16 *pcre16_compile2(PCRE_SPTR16, int, int *, const char **,
    int *, const unsigned char *);
PCRE_EXP_DECL int pcre_config(int, void *);
PCRE_EXP_DECL int pcre16_config(int, void *);
PCRE_EXP_DECL int pcre_copy_named_substring(const pcre *, const char *,
    int *, int, const char *, char *, int);
PCRE_EXP_DECL int pcre16_copy_named_substring(const pcre16 *, PCRE_SPTR16,
    int *, int, PCRE_SPTR16, PCRE_UCHAR16 *, int);
PCRE_EXP_DECL int pcre_copy_substring(const char *, int *, int, int,
    char *, int);
PCRE_EXP_DECL int pcre16_copy_substring(PCRE_SPTR16, int *, int, int,
    PCRE_UCHAR16 *, int);
PCRE_EXP_DECL int pcre_dfa_exec(const pcre *, const pcre_extra *,
    const char *, int, int, int, int *, int *, int);
PCRE_EXP_DECL int pcre16_dfa_exec(const pcre16 *, const pcre16_extra *,
    PCRE_SPTR16, int, int, int, int *, int *, int);
PCRE_EXP_DECL int pcre_exec(const pcre *, const pcre_extra *, PCRE_SPTR,
    int, int, int, int *, int);
PCRE_EXP_DECL int pcre16_exec(const pcre16 *, const pcre16_extra *,
    PCRE_SPTR16, int, int, int, int *, int);
PCRE_EXP_DECL void pcre_free_substring(const char *);
PCRE_EXP_DECL void pcre16_free_substring(PCRE_SPTR16);
PCRE_EXP_DECL void pcre_free_substring_list(const char **);
PCRE_EXP_DECL void pcre16_free_substring_list(PCRE_SPTR16 *);
PCRE_EXP_DECL int pcre_fullinfo(const pcre *, const pcre_extra *, int,
    void *);
PCRE_EXP_DECL int pcre16_fullinfo(const pcre16 *, const pcre16_extra *, int,
    void *);

```

```

PCRE_EXP_DECL int pcre_get_named_substring(const pcre *, const char *,
    int *, int, const char *, const char **);
PCRE_EXP_DECL int pcre16_get_named_substring(const pcre16 *, PCRE_SPTR16,
    int *, int, PCRE_SPTR16, PCRE_SPTR16 *);
PCRE_EXP_DECL int pcre_get_stringnumber(const pcre *, const char *);
PCRE_EXP_DECL int pcre16_get_stringnumber(const pcre16 *, PCRE_SPTR16);
PCRE_EXP_DECL int pcre_get_stringtable_entries(const pcre *, const char *,
    char **, char **);
PCRE_EXP_DECL int pcre16_get_stringtable_entries(const pcre16 *, PCRE_SPTR16,
    PCRE_UCHAR16 **, PCRE_UCHAR16 **);
PCRE_EXP_DECL int pcre_get_substring(const char *, int *, int, int,
    const char **);
PCRE_EXP_DECL int pcre16_get_substring(PCRE_SPTR16, int *, int, int,
    PCRE_SPTR16 *);
PCRE_EXP_DECL int pcre_get_substring_list(const char *, int *, int,
    const char ***);
PCRE_EXP_DECL int pcre16_get_substring_list(PCRE_SPTR16, int *, int,
    PCRE_SPTR16 **);
PCRE_EXP_DECL const unsigned char *pcre_maketables(void);
PCRE_EXP_DECL const unsigned char *pcre16_maketables(void);
PCRE_EXP_DECL int pcre_refcount(pcre *, int);
PCRE_EXP_DECL int pcre16_refcount(pcre16 *, int);
PCRE_EXP_DECL pcre_extra *pcre_study(const pcre *, int, const char **);
PCRE_EXP_DECL pcre16_extra *pcre16_study(const pcre16 *, int, const char **);
PCRE_EXP_DECL void pcre_free_study(pcre_extra *);
PCRE_EXP_DECL void pcre16_free_study(pcre16_extra *);
PCRE_EXP_DECL const char *pcre_version(void);
PCRE_EXP_DECL const char *pcre16_version(void);

/* Utility functions for byte order swaps. */
PCRE_EXP_DECL int pcre_pattern_to_host_byte_order(pcre *, pcre_extra *,
    const unsigned char *);
PCRE_EXP_DECL int pcre16_pattern_to_host_byte_order(pcre16 *, pcre16_extra *,
    const unsigned char *);
PCRE_EXP_DECL int pcre16_utf16_to_host_byte_order(PCRE_UCHAR16 *,
    PCRE_SPTR16, int, int *, int);

/* JIT compiler related functions. */

PCRE_EXP_DECL pcre_jit_stack *pcre_jit_stack_alloc(int, int);
PCRE_EXP_DECL pcre16_jit_stack *pcre16_jit_stack_alloc(int, int);
PCRE_EXP_DECL void pcre_jit_stack_free(pcre_jit_stack *);
PCRE_EXP_DECL void pcre16_jit_stack_free(pcre16_jit_stack *);
PCRE_EXP_DECL void pcre_assign_jit_stack(pcre_extra *,
    pcre_jit_callback, void *);
PCRE_EXP_DECL void pcre16_assign_jit_stack(pcre16_extra *,
    pcre16_jit_callback, void *);

```

```

#ifdef __cplusplus
} /* extern "C" */
#endif

#endif /* End of pcre.h */
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*/

/*
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* files for a list of changes. These files are distributed with
* GLib at ftp://ftp.gtk.org/pub/gtk/.
*/

#ifndef __G_LIB_H__
#define __G_LIB_H__

#define __GLIB_H_INSIDE__

#include <glib/galloca.h>
#include <glib/garray.h>
#include <glib/gasyncqueue.h>
#include <glib/gatomic.h>
#include <glib/gbacktrace.h>
#include <glib/gbase64.h>
#include <glib/gbitlock.h>
#include <glib/gbookmarkfile.h>
#include <glib/gbytes.h>
#include <glib/gcharset.h>
#include <glib/gchecksum.h>
#include <glib/gconvert.h>
#include <glib/gdataset.h>
#include <glib/gdate.h>

```

```
#include <glib/gdatetime.h>
#include <glib/gdir.h>
#include <glib/genviron.h>
#include <glib/gerror.h>
#include <glib/gfileutils.h>
#include <glib/ggettext.h>
#include <glib/ghash.h>
#include <glib/ghmac.h>
#include <glib/ghook.h>
#include <glib/ghostutils.h>
#include <glib/giochannel.h>
#include <glib/gkeyfile.h>
#include <glib/glist.h>
#include <glib/gmacros.h>
#include <glib/gmain.h>
#include <glib/gmappedfile.h>
#include <glib/gmarkup.h>
#include <glib/gmem.h>
#include <glib/gmessages.h>
#include <glib/gnode.h>
#include <glib/goption.h>
#include <glib/gpattern.h>
#include <glib/gpoll.h>
#include <glib/gprimes.h>
#include <glib/gqsort.h>
#include <glib/gquark.h>
#include <glib/gqueue.h>
#include <glib/grand.h>
#include <glib/gregex.h>
#include <glib/gscanner.h>
#include <glib/gsequence.h>
#include <glib/gshell.h>
#include <glib/gslice.h>
#include <glib/gslist.h>
#include <glib/gspawn.h>
#include <glib/gstrfuncs.h>
#include <glib/gstring.h>
#include <glib/gstringchunk.h>
#include <glib/gtestutils.h>
#include <glib/gthread.h>
#include <glib/gthreadpool.h>
#include <glib/gtimer.h>
#include <glib/gtimezone.h>
#include <glib/gtrashstack.h>
#include <glib/gtree.h>
#include <glib/gtypes.h>
#include <glib/gunicode.h>
#include <glib/gurifuncs.h>
```

```

#include <glib/gutils.h>
#include <glib/gvarianttype.h>
#include <glib/gvariant.h>
#include <glib/gversion.h>
#include <glib/gversionmacros.h>
#ifdef G_PLATFORM_WIN32
#include <glib/gwin32.h>
#endif

#ifndef G_DISABLE_DEPRECATED
#include <glib/deprecated/gallocator.h>
#include <glib/deprecated/gcache.h>
#include <glib/deprecated/gcompletion.h>
#include <glib/deprecated/gmain.h>
#include <glib/deprecated/grel.h>
#include <glib/deprecated/gthread.h>
#endif /* G_DISABLE_DEPRECATED */

#include <glib/glib-autocleanups.h>

#undef __GLIB_H_INSIDE__

#endif /* __G_LIB_H__ */

```

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1.15 iconv 2.17

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1.16 libpcap 0.9.2

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1.18 pciutils 3.1.8

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1.19 nfs-utils 0.20

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1.20 xfsprogs 2.8.16-1

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Upstream-Contact: Doug Ledford <dledford@redhat.com>,
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If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>
```

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Version 3, 29 June 2007

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1.25 pciutils 3.1.8

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1.26 gdb 7.1.9

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

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

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necessary. Here is a sample; alter the names:

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

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

```
Ty Coon, President of Vice
```

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

```
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```

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

```
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(at your option) any later version.
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```
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GNU General Public License for more details.
```

```
You should have received a copy of the GNU General Public License
along with this program. If not, see <http://www.gnu.org/licenses/>. */
```

```
#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 */
@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
Copyright @copyright{ } 2007 Free Software Foundation, Inc. @url{http://fsf.org/}

```

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```

@c man end
@end ignore
@node Copying
@c man begin DESCRIPTION
@appendix GNU GENERAL PUBLIC LICENSE
@c The GNU General Public License.
@center Version 3, 29 June 2007

```

```

@c This file is intended to be included within another document,
@c hence no sectioning command or @node.

```

```

@display
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```

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```

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```

```

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```

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under certain conditions; type @samp{show c} for details.
@end smallexample
```

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`@c man end`

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@c Local Variables:

```
@c ispell-local-pdict: "ispell-dict"
@c End:
/* 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 */
```

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That's all there is to it!
/* 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 */
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 "}";
}
/* 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"? */
}

#ifdef 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

```

```
#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);
}
```

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

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```
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This program 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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```
#!/usr/bin/env python
```

```
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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-accftp.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_eeeprom.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-semantic.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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1.27 bridgeutils 1.5

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1.28 popt 1.5

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1.29 iperf 3.2

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*

* tcp_window_size.c
* by Mark Gates <mgates@nlanr.net>

*-----

* set/getsockopt

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*
* -----
* stdio.c
* by Mark Gates <mgates@nlanr.net>
* and Ajay Tirumalla <tirumala@ncsa.uiuc.edu>
* -----
* input and output numbers, converting with kilo, mega, giga
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1.30 netkit-telnet 0.17

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1.32 ipmiutil 2.1.1

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Upstream-Contact: Andy Cress <arcress at users.sourceforge.net>

Source: <http://ipmiutil.sourceforge.net>

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Source: <http://ipmiutil.sourceforge.net>

Comment: This package was debianized by Andy Cress on 2010-10-29, with Debian package updates by Alex Waite on 2013-06-14

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Source: <http://ipmiutil.sourceforge.net>

<http://www.openmash.org/lxr/source/src/getopt.c?c=gsm>

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1.34 libdnet 1.11

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

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

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

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```
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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1.37 curl 7.51.0

1.37.1 Available under license :

License Mixing

=====

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](<https://www.gnu.org/licenses/gpl.html>) licensed code is not allowed to be linked with code licensed under the [Original BSD license](<https://spdx.org/licenses/BSD-4-Clause.html>) (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an [exception](<https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs>). This particular problem was addressed when the [Modified BSD license](<https://opensource.org/licenses/BSD-3-Clause>) was created, which does not have the announcement clause that collides with GPL.

libcurl

Uses an [MIT style license](<https://curl.haxx.se/docs/copyright.html>) that is very liberal.

OpenSSL

(May be used for SSL/TLS support) Uses an Original BSD-style license with an announcement clause that makes it "incompatible" with GPL. You are not allowed to ship binaries that link with OpenSSL that includes GPL code (unless that specific GPL code includes an exception for OpenSSL - a habit that is growing more and more common). If OpenSSL's licensing is a problem for you, consider using another TLS library.

GnuTLS

(May be used for SSL/TLS support) Uses the [LGPL](<https://www.gnu.org/licenses/lgpl.html>) license. If this is a problem for you, consider using another TLS library. Also note that GnuTLS itself depends on and uses other libs (libgcrypt and libgpg-error) and they too are LGPL- or GPL-licensed.

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BoringSSL

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libressl

(May be used for SSL/TLS support) As an OpenSSL fork, it has the same license as that.

c-ares

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

MIT Kerberos

(May be used for GSS support) MIT licensed, that shouldn't collide with any other parts.

Heimdal

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OpenLDAP

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

libssh2

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.
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1.38 libsrtp 1.4.4

1.38.1 Available under license :

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 */
```

1.39 libmnl 1.0.3

1.39.1 Available under license :

30 atime=1337191922.583566431

30 ctime=1338052482.808834269

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Version 2.1, February 1999

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Ty Coon, President of Vice

That's all there is to it!

1.40 libusb 1.0.9

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1.41 libevent 2.0.5-beta

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1.42 open-ldap 2.4.33

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5. [6]Michael Barone <michael,barone@lmco.com> GPSVME fixes
6. [7]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
7. [8]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up rcvbuf and iosignal code into separate modules.
8. [9]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
9. [10]Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
10. [11]Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in sntp
11. [12]Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
12. [13]Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
13. [14]Steve Clift <clift@ml.csiro.au> OMEGA clock driver
14. [15]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
15. [16]Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
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27. [29]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
28. [30]Frank Kardel [31]<kardel (at) ntp (dot) org> PARSE <GENERIC> (driver 14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
29. [32]Johannes Maximilian Kuehn <kuehn@ntp.org> Rewrote sntp to comply with NTPv4 specification, ntpq saveconfig
30. [33]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications
31. [34]Dave Katz <dkatz@cisco.com> RS/6000 AIX port
32. [35]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
33. [36]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
34. [37]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
35. [38]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
36. [39]Danny Mayer <mayer@ntp.org>Network I/O, Windows Port, Code Maintenance
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38. [41]Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port
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43. [47]Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code maintenance
44. [48]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
45. [49]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
46. [50]Wilfredo Snchez <wsanchez@apple.com> added support for NetInfo
47. [51]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
48. [52]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
49. [53]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
50. [54]Michael Shields <shields@tembel.org> USNO clock driver
51. [55]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
52. [56]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
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 57. [61]Loganaden Velvindron <loganaden@gmail.com> Sandboxing (libseccomp) support
 58. [62]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
 59. [63]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD
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Viraj Bais <vbais@mailman1.intel.com> and Clayton Kirkwood <kirkwood@striderfm.intel.com> port to WindowsNT 3.5

Michael Barone <michael,barone@lmco.com> GPSVME fixes

Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option

Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.

Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver

Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support

Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in sntp

Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support

Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)

Steve Clift <clift@ml.csiro.au> OMEGA clock driver

Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration

Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.

John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port

Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port

Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119

John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing

Dave Hart <davehart@davehart.com> General maintenance, Windows port interpolation rewrite

Claas Hilbrecht <neoclock4x@linum.com> NeoClock4X

clock driver

Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver

Mike Iglesias <iglesias@uci.edu> DEC Alpha port

Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port

Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping overhaul

Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or H.Lambermont@chello.nl ntpsweep

Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)

Frank Kardel <kardel (at) ntp (dot) org> PARSE <GENERIC> (driver 14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling

Johannes Maximilian Kuehn <kuehn@ntp.org> Rewrote <code>sntp</code> to comply with NTPv4 specification, <code>ntpq saveconfig</code>

William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications

Dave Katz <dkatz@cisco.com> RS/6000 AIX port

Craig Leres <leres@ee.lbl.gov> 4.BSD port, ppsclock, Magnavox GPS clock driver

George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port

Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication

Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305

Danny Mayer <mayer@ntp.org> Network I/O, Windows Port, Code Maintenance

David L. Mills <mills@udel.edu> Version 4 foundation, precision kernel; clock drivers: 1, 3, 4, 6, 7, 11, 13, 18, 19, 22, 36

Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port

Jeffrey Mogul <mogul@pa.dec.com> ntpttrace utility

Tom Moore <tmoore@fieval.daytonoh.ncr.com> i386 svr4 port

Kamal A Mostafa <kamal@whence.com> SCO OpenServer port

Derek Mulcahy <derek@toybox.demon.co.uk> and Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver

Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code maintenance

Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling

Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port

Wilfredo Sßanchez <wsanchez@apple.com> added

support for NetInfo
Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
Ray Schnitzler <schnitz@unipress.com> Unixware1 port
Michael Shields <shields@tembel.org> USNO clock driver
Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
Kenneth Stone <ken@sdd.hp.com> HP-UX port
Ajit Thyagarajan <ajit@ee.udel.edu>IP multicast/anycast support
Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp>TRAK clock driver
Brian Utterback <brian.utterback@oracle.com> General codebase, Solaris issues
Loganaden Velvindron <loganaden@gmail.com> Sandboxing (libseccomp) support
Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

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

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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.

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

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

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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.

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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, whereas the latter must be combined with the library in order to run.

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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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(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.

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

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That's all there is to it!

1.46 zlib 1.2.8

1.46.1 Available under license :

```
/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.11, January 15th, 2017
```

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

*/

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1.47 libnl3 3.2.25

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1.48 busybox 1.26.2

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Version 3, 29 June 2007

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1.50 pcre 8.41

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1.51 netkit-tftp 0.17

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1.52 glib 2.46.2

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1.54 smartmontools 6.1

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```
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```

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```

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

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
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```

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

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```
#!/bin/sh
# Attempt to guess a canonical system name.
# Copyright (C) 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999,
# 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010,
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timestamp='2012-08-14'

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```

#
# As a special exception to the GNU General Public License, if you
# distribute this file as part of a program that contains a
# configuration script generated by Autoconf, you may include it under
# the same distribution terms that you use for the rest of that program.

# Originally written by Per Bothner. Please send patches (context
# diff format) to <config-patches@gnu.org> and include a ChangeLog
# entry.
#
# This script attempts to guess a canonical system name similar to
# config.sub. If it succeeds, it prints the system name on stdout, and
# exits with 0. Otherwise, it exits with 1.
#
# You can get the latest version of this script from:
# http://git.savannah.gnu.org/gitweb/?p=config.git;a=blob_plain;f=config.guess;hb=HEAD

me=`echo "$0" | sed -e 's,./,,'`

usage="\
Usage: $0 [OPTION]

Output the configuration name of the system \"$me' is run on.

Operation modes:
-h, --help      print this help, then exit
-t, --time-stamp  print date of last modification, then exit
-v, --version    print version number, then exit

Report bugs and patches to <config-patches@gnu.org>."

version="\
GNU config.guess ($timestamp)

Originally written by Per Bothner.
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help="\
Try \"$me --help' for more information."

# Parse command line
while test $# -gt 0 ; do

```

```

case $1 in
--time-stamp | --time* | -t )
    echo "$timestamp" ; exit ;;
--version | -v )
    echo "$version" ; exit ;;
--help | --h* | -h )
    echo "$usage"; exit ;;
-- ) # Stop option processing
    shift; break ;;
- ) # Use stdin as input.
    break ;;
-* )
    echo "$me: invalid option $1$help" >&2
    exit 1 ;;
* )
    break ;;
esac
done

if test $# != 0; then
echo "$me: too many arguments$help" >&2
exit 1
fi

trap 'exit 1' 1 2 15

# CC_FOR_BUILD -- compiler used by this script. Note that the use of a
# compiler to aid in system detection is discouraged as it requires
# temporary files to be created and, as you can see below, it is a
# headache to deal with in a portable fashion.

# Historically, `CC_FOR_BUILD' used to be named `HOST_CC'. We still
# use `HOST_CC' if defined, but it is deprecated.

# Portable tmp directory creation inspired by the Autoconf team.

set_cc_for_build='
trap "exitcode=${?}; (rm -f \${tmpfiles} 2>/dev/null; rmdir \${tmp} 2>/dev/null) && exit \${exitcode}" 0 ;
trap "rm -f \${tmpfiles} 2>/dev/null; rmdir \${tmp} 2>/dev/null; exit 1" 1 2 13 15 ;
: \${TMPDIR=/tmp} ;
{ tmp=`(umask 077 && mktemp -d "\${TMPDIR}/cgXXXXXX") 2>/dev/null` && test -n "\${tmp}" && test -d "\${tmp}" ;
} ||
{ test -n "\${RANDOM}" && tmp=\${TMPDIR}/cg\$\${RANDOM} && (umask 077 && mkdir \${tmp}) ; } ||
{ tmp=\${TMPDIR}/cg-\$\$ && (umask 077 && mkdir \${tmp}) && echo "Warning: creating insecure temp directory"
>&2 ; } ||
{ echo "\$me: cannot create a temporary directory in \${TMPDIR}" >&2 ; exit 1 ; } ;
dummy=\${tmp}/dummy ;
tmpfiles="\${dummy}.c \${dummy}.o \${dummy}.rel \${dummy}" ;

```

```

case $CC_FOR_BUILD,$HOST_CC,$CC in
,,) echo "int x;" > $dummy.c ;
for c in cc gcc c89 c99 ; do
if ($c -c -o $dummy.o $dummy.c) >/dev/null 2>&1 ; then
    CC_FOR_BUILD="$c"; break ;
fi ;
done ;
if test x"$CC_FOR_BUILD" = x ; then
    CC_FOR_BUILD=no_compiler_found ;
fi
;;
,*) CC_FOR_BUILD=$CC ;;
,*,*) CC_FOR_BUILD=$HOST_CC ;;
esac ; set_cc_for_build='

# This is needed to find uname on a Pyramid OSx when run in the BSD universe.
# (ghazi@noc.rutgers.edu 1994-08-24)
if (test -f /.attbin/uname) >/dev/null 2>&1 ; then
    PATH=$PATH:/.attbin ; export PATH
fi

UNAME_MACHINE=`(uname -m) 2>/dev/null` || UNAME_MACHINE=unknown
UNAME_RELEASE=`(uname -r) 2>/dev/null` || UNAME_RELEASE=unknown
UNAME_SYSTEM=`(uname -s) 2>/dev/null` || UNAME_SYSTEM=unknown
UNAME_VERSION=`(uname -v) 2>/dev/null` || UNAME_VERSION=unknown

# Detect uclibc systems.

LIBC="gnu"
if [ -f /usr/include/bits/uClibc_config.h ]
then
    LIBC=uclibc
if [ -n `grep "#define __UCLIBC_CONFIG_VERSION__" /usr/include/bits/uClibc_config.h` ]
then
    UCLIBC_SUBVER=`sed -n "/#define __UCLIBC_CONFIG_VERSION__ /s///p" /usr/include/bits/uClibc_config.h`
    LIBC=$LIBC$UCLIBC_SUBVER
fi
fi

# Note: order is significant - the case branches are not exclusive.

case "${UNAME_MACHINE}:${UNAME_SYSTEM}:${UNAME_RELEASE}:${UNAME_VERSION}" in
*:NetBSD:*)
# NetBSD (nbsd) targets should (where applicable) match one or
# more of the tuples *-*-netbsdelf*, *-*-netbsdout*,
# *-*-netbsdcoeff* and *-*-netbsd*. For targets that recently
# switched to ELF, *-*-netbsd* would select the old
# object file format. This provides both forward

```



```

# compatibility and a consistent mechanism for selecting the
# object file format.
#
# Note: NetBSD doesn't particularly care about the vendor
# portion of the name. We always set it to "unknown".
sysctl="sysctl -n hw.machine_arch"
UNAME_MACHINE_ARCH=`(/sbin/$sysctl 2>/dev/null || \
  /usr/sbin/$sysctl 2>/dev/null || echo unknown)`
case "${UNAME_MACHINE_ARCH}" in
  armeb) machine=armeb-unknown ;;
  arm*) machine=arm-unknown ;;
  sh3el) machine=shl-unknown ;;
  sh3eb) machine=sh-unknown ;;
  sh5el) machine=sh5le-unknown ;;
  *) machine=${UNAME_MACHINE_ARCH}-unknown ;;
esac
# The Operating System including object format, if it has switched
# to ELF recently, or will in the future.
case "${UNAME_MACHINE_ARCH}" in
  arm*|i386|m68k|ns32k|sh3*|sparc|vax)
    eval $set_cc_for_build
    if echo __ELF__ | $CC_FOR_BUILD -E - 2>/dev/null \
      | grep -q __ELF__
    then
      # Once all utilities can be ECOFF (netbsdcoff) or a.out (netbsdout).
      # Return netbsd for either. FIX?
      os=netbsd
    else
      os=netbsdelf
    fi
  ;;
  *)
    os=netbsd
  ;;
esac
# The OS release
# Debian GNU/NetBSD machines have a different userland, and
# thus, need a distinct triplet. However, they do not need
# kernel version information, so it can be replaced with a
# suitable tag, in the style of linux-gnu.
case "${UNAME_VERSION}" in
  Debian*)
    release='-gnu'
  ;;
  *)
    release=`echo ${UNAME_RELEASE}|sed -e 's/[-_].*/./`
  ;;
esac

```

```

# Since CPU_TYPE-MANUFACTURER-KERNEL-OPERATING_SYSTEM:
# contains redundant information, the shorter form:
# CPU_TYPE-MANUFACTURER-OPERATING_SYSTEM is used.
echo "${machine}-${os}${release}"
exit ;;
*:Bitrig:*)
UNAME_MACHINE_ARCH=`arch | sed 's/Bitrig//'^
echo ${UNAME_MACHINE_ARCH}-unknown-bitrig${UNAME_RELEASE}
exit ;;
*:OpenBSD:*)
UNAME_MACHINE_ARCH=`arch | sed 's/OpenBSD//'^
echo ${UNAME_MACHINE_ARCH}-unknown-openbsd${UNAME_RELEASE}
exit ;;
*:ekkoBSD:*)
echo ${UNAME_MACHINE}-unknown-ekkobsd${UNAME_RELEASE}
exit ;;
*:SolidBSD:*)
echo ${UNAME_MACHINE}-unknown-solidbsd${UNAME_RELEASE}
exit ;;
macppc:MirBSD:*)
echo powerpc-unknown-mirbsd${UNAME_RELEASE}
exit ;;
*:MirBSD:*)
echo ${UNAME_MACHINE}-unknown-mirbsd${UNAME_RELEASE}
exit ;;
alpha:OSF1:*)
case $UNAME_RELEASE in
*4.0)
UNAME_RELEASE=`/usr/sbin/sizer -v | awk '{print $3}'`
;;
*5.*)
UNAME_RELEASE=`/usr/sbin/sizer -v | awk '{print $4}'`
;;
esac
# According to Compaq, /usr/sbin/psrinfo has been available on
# OSF/1 and Tru64 systems produced since 1995. I hope that
# covers most systems running today. This code pipes the CPU
# types through head -n 1, so we only detect the type of CPU 0.
ALPHA_CPU_TYPE=`/usr/sbin/psrinfo -v | sed -n -e 's/^ The alpha \((.*) processor.*$/\1/p' | head -n 1`
case "$ALPHA_CPU_TYPE" in
"EV4 (21064)")
UNAME_MACHINE="alpha" ;;
"EV4.5 (21064)")
UNAME_MACHINE="alpha" ;;
"LCA4 (21066/21068)")
UNAME_MACHINE="alpha" ;;
"EV5 (21164)")
UNAME_MACHINE="alphaev5" ;;

```

```

"EV5.6 (21164A)")
UNAME_MACHINE="alphaev56" ;;
"EV5.6 (21164PC)")
UNAME_MACHINE="alphapca56" ;;
"EV5.7 (21164PC)")
UNAME_MACHINE="alphapca57" ;;
"EV6 (21264)")
UNAME_MACHINE="alphaev6" ;;
"EV6.7 (21264A)")
UNAME_MACHINE="alphaev67" ;;
"EV6.8CB (21264C)")
UNAME_MACHINE="alphaev68" ;;
"EV6.8AL (21264B)")
UNAME_MACHINE="alphaev68" ;;
"EV6.8CX (21264D)")
UNAME_MACHINE="alphaev68" ;;
"EV6.9A (21264/EV69A)")
UNAME_MACHINE="alphaev69" ;;
"EV7 (21364)")
UNAME_MACHINE="alphaev7" ;;
"EV7.9 (21364A)")
UNAME_MACHINE="alphaev79" ;;
esac
# A Pn.n version is a patched version.
# A Vn.n version is a released version.
# A Tn.n version is a released field test version.
# A Xn.n version is an unreleased experimental baselevel.
# 1.2 uses "1.2" for uname -r.
echo ${UNAME_MACHINE}-dec-osf echo ${UNAME_RELEASE} | sed -e 's/^[PVTX]//' | tr
'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyzz'
# Reset EXIT trap before exiting to avoid spurious non-zero exit code.
exitcode=$?
trap " 0
exit $exitcode ;;
Alpha\ *:Windows_NT*:* )
# How do we know it's Interix rather than the generic POSIX subsystem?
# Should we change UNAME_MACHINE based on the output of uname instead
# of the specific Alpha model?
echo alpha-pc-interix
exit ;;
21064:Windows_NT:50:3)
echo alpha-dec-winnt3.5
exit ;;
Amiga*:UNIX_System_V:4.0:*)
echo m68k-unknown-sysv4
exit ;;
*:[Aa]miga[Oo][Ss]:*:* )
echo ${UNAME_MACHINE}-unknown-amigaos

```

```

exit ;;
*:[Mm]orph[Oo][Ss]:*:*)
echo ${UNAME_MACHINE}-unknown-morphos
exit ;;
*:OS/390:*:*)
echo i370-ibm-openedition
exit ;;
*:z/VM:*:*)
echo s390-ibm-zvmoe
exit ;;
*:OS400:*:*)
echo powerpc-ibm-os400
exit ;;
arm:RISC*:1.[012]*:*|arm:riscix:1.[012]*:*)
echo arm-acorn-riscix${UNAME_RELEASE}
exit ;;
arm:riscos:*:*)arm:RISCOS:*:*)
echo arm-unknown-riscos
exit ;;
SR2?01:HI-UX/MPP:*:*) | SR8000:HI-UX/MPP:*:*)
echo hppa1.1-hitachi-hiuxmpp
exit ;;
Pyramid*:OSx*:*:*) | MIS*:OSx*:*:*) | MIS*:SMP_DC-OSx*:*:*)
# akee@wpdis03.wpafb.af.mil (Earle F. Ake) contributed MIS and NILE.
if test "`(bin/universe) 2>/dev/null`" = att ; then
echo pyramid-pyramid-sysv3
else
echo pyramid-pyramid-bsd
fi
exit ;;
NILE*:*:*:dcosx)
echo pyramid-pyramid-svr4
exit ;;
DRS?6000:unix:4.0:6*)
echo sparc-icl-nx6
exit ;;
DRS?6000:UNIX_SV:4.2*:7* | DRS?6000:isis:4.2*:7*)
case `(usr/bin/uname -p` in
sparc) echo sparc-icl-nx7; exit ;;
esac ;;
s390x:SunOS:*:*)
echo ${UNAME_MACHINE}-ibm-solaris2`echo ${UNAME_RELEASE}|sed -e 's/[^\.]*//'^
exit ;;
sun4H:SunOS:5.*:*)
echo sparc-hal-solaris2`echo ${UNAME_RELEASE}|sed -e 's/[^\.]*//'^
exit ;;
sun4*:SunOS:5.*:*) | tadpole*:SunOS:5.*:*)
echo sparc-sun-solaris2`echo ${UNAME_RELEASE}|sed -e 's/[^\.]*//'^

```

```

exit ;;
i86pc:AuroraUX:5.*:* | i86xen:AuroraUX:5.*:*)
echo i386-pc-auroraux${UNAME_RELEASE}
exit ;;
i86pc:SunOS:5.*:* | i86xen:SunOS:5.*:*)
eval $set_cc_for_build
SUN_ARCH="i386"
# If there is a compiler, see if it is configured for 64-bit objects.
# Note that the Sun cc does not turn __LP64__ into 1 like gcc does.
# This test works for both compilers.
if [ "$CC_FOR_BUILD" != 'no_compiler_found' ]; then
    if (echo '#ifdef __amd64'; echo IS_64BIT_ARCH; echo '#endif') | \
(CCOPTS= $CC_FOR_BUILD -E - 2>/dev/null) | \
grep IS_64BIT_ARCH >/dev/null
    then
        SUN_ARCH="x86_64"
    fi
fi
echo ${SUN_ARCH}-pc-solaris2`echo ${UNAME_RELEASE}|sed -e 's/[^\.]*/'^
exit ;;
sun4*:SunOS:6.*:*)
# According to config.sub, this is the proper way to canonicalize
# SunOS6. Hard to guess exactly what SunOS6 will be like, but
# it's likely to be more like Solaris than SunOS4.
echo sparc-sun-solaris3`echo ${UNAME_RELEASE}|sed -e 's/[^\.]*/'^
exit ;;
sun4*:SunOS:*:**)
case "`/usr/bin/arch -k`" in
    Series*|S4*)
        UNAME_RELEASE=`uname -v`
        ;;
esac
# Japanese Language versions have a version number like `4.1.3-JL'.
echo sparc-sun-sunos`echo ${UNAME_RELEASE}|sed -e 's/-/_/'^
exit ;;
sun3*:SunOS:*:**)
echo m68k-sun-sunos${UNAME_RELEASE}
exit ;;
sun*:*:4.2BSD:**)
UNAME_RELEASE=`(sed 1q /etc/motd | awk '{print substr($5,1,3)}') 2>/dev/null`
test "x${UNAME_RELEASE}" = "x" && UNAME_RELEASE=3
case "`/bin/arch`" in
    sun3)
        echo m68k-sun-sunos${UNAME_RELEASE}
        ;;
    sun4)
        echo sparc-sun-sunos${UNAME_RELEASE}
        ;;

```

```

esac
exit ;;
  aushp:SunOS:*)
echo sparc-auspex-sunos${UNAME_RELEASE}
exit ;;
  # The situation for MiNT is a little confusing. The machine name
  # can be virtually everything (everything which is not
  # "atarist" or "atariste" at least should have a processor
  # > m68000). The system name ranges from "MiNT" over "FreeMiNT"
  # to the lowercase version "mint" (or "freemint"). Finally
  # the system name "TOS" denotes a system which is actually not
  # MiNT. But MiNT is downward compatible to TOS, so this should
  # be no problem.
  atarist[e]:*MiNT:* | atarist[e]:*mint:* | atarist[e]:*TOS:*)
echo m68k-atari-mint${UNAME_RELEASE}
exit ;;
  atari:*MiNT:* | atari:*mint:* | atarist[e]:*TOS:*)
echo m68k-atari-mint${UNAME_RELEASE}
exit ;;
  *falcon:*MiNT:* | *falcon:*mint:* | *falcon:*TOS:*)
echo m68k-atari-mint${UNAME_RELEASE}
exit ;;
  milan:*MiNT:* | milan:*mint:* | *milan:*TOS:*)
echo m68k-milan-mint${UNAME_RELEASE}
exit ;;
  hades:*MiNT:* | hades:*mint:* | *hades:*TOS:*)
echo m68k-hades-mint${UNAME_RELEASE}
exit ;;
  *:MiNT:* | *:mint:* | *:TOS:*)
echo m68k-unknown-mint${UNAME_RELEASE}
exit ;;
  m68k:machten:*)
echo m68k-apple-machten${UNAME_RELEASE}
exit ;;
  powerpc:machten:*)
echo powerpc-apple-machten${UNAME_RELEASE}
exit ;;
  RISC*:Mach:*)
echo mips-dec-mach_bsd4.3
exit ;;
  RISC*:ULTRIX:*)
echo mips-dec-ultrix${UNAME_RELEASE}
exit ;;
  VAX*:ULTRIX:*)
echo vax-dec-ultrix${UNAME_RELEASE}
exit ;;
  2020:CLIX:* | 2430:CLIX:*)
echo clipper-intergraph-clix${UNAME_RELEASE}

```

```

exit ;;
    mips:*:*:UMIPS | mips:*:*:RISCos)
eval $set_cc_for_build
sed 's/^ //' << EOF >$dummy.c
#ifdef __cplusplus
#include <stdio.h> /* for printf() prototype */
int main (int argc, char *argv[]) {
#else
int main (argc, argv) int argc; char *argv[]; {
#endif
    #if defined (host_mips) && defined (MIPSEB)
    #if defined (SYSTYPE_SYSV)
        printf ("mips-mips-riscos%ssysv\n", argv[1]); exit (0);
    #endif
    #if defined (SYSTYPE_SVR4)
        printf ("mips-mips-riscos%ssvr4\n", argv[1]); exit (0);
    #endif
    #if defined (SYSTYPE_BSD43) || defined(SYSTYPE_BSD)
        printf ("mips-mips-riscos%bsbd\n", argv[1]); exit (0);
    #endif
    #endif
        exit (-1);
    }
EOF
$CC_FOR_BUILD -o $dummy $dummy.c &&
    dummyarg=`echo "${UNAME_RELEASE}" | sed -n 's/^([0-9]*\).*\1/p` &&
    SYSTEM_NAME=`$dummy $dummyarg` &&
    { echo "$SYSTEM_NAME"; exit; }
echo mips-mips-riscos${UNAME_RELEASE}
exit ;;
    Motorola:PowerMAX_OS:*:*)
echo powerpc-motorola-powermax
exit ;;
    Motorola:*:4.3:PL8-*)
echo powerpc-harris-powermax
exit ;;
    Night_Hawk:*:*:PowerMAX_OS | Synergy:PowerMAX_OS:*:*)
echo powerpc-harris-powermax
exit ;;
    Night_Hawk:Power_UNIX:*:*)
echo powerpc-harris-powerunix
exit ;;
    m88k:CX/UX:7*:*)
echo m88k-harris-cxux7
exit ;;
    m88k:*:4*:R4*)
echo m88k-motorola-sysv4
exit ;;

```

```

m88k:*.3*:R3*)
echo m88k-motorola-sysv3
exit ;;
AViiON:dgux:*.*)
# DG/UX returns AViiON for all architectures
UNAME_PROCESSOR=`usr/bin/uname -p`
if [ $UNAME_PROCESSOR = mc88100 ] || [ $UNAME_PROCESSOR = mc88110 ]
then
    if [ ${TARGET_BINARY_INTERFACE}x = m88kdguxelfx ] || \
        [ ${TARGET_BINARY_INTERFACE}x = x ]
    then
        echo m88k-dg-dgux${UNAME_RELEASE}
    else
        echo m88k-dg-dguxbcs${UNAME_RELEASE}
    fi
else
    echo i586-dg-dgux${UNAME_RELEASE}
fi
exit ;;
M88*:DolphinOS:*.*) # DolphinOS (SVR3)
echo m88k-dolphin-sysv3
exit ;;
M88*:*.R3*:*)
# Delta 88k system running SVR3
echo m88k-motorola-sysv3
exit ;;
XD88*:*.R3*:*) # Tektronix XD88 system running UTekV (SVR3)
echo m88k-tektronix-sysv3
exit ;;
Tek43[0-9][0-9]:UTek:*.*) # Tektronix 4300 system running UTek (BSD)
echo m68k-tektronix-bsd
exit ;;
*:IRIX:*.*)
echo mips-sgi-irix`echo ${UNAME_RELEASE}|sed -e 's/\/\//g`
exit ;;
??????:AIX?:[12].1:2) # AIX 2.2.1 or AIX 2.1.1 is RT/PC AIX.
echo romp-ibm-aix # uname -m gives an 8 hex-code CPU id
exit ;; # Note that: echo ""`uname -s`" gives 'AIX '
i*86:AIX:*.*)
echo i386-ibm-aix
exit ;;
ia64:AIX:*.*)
if [ -x /usr/bin/oslevel ] ; then
    IBM_REV=`usr/bin/oslevel`
else
    IBM_REV=${UNAME_VERSION}.${UNAME_RELEASE}
fi
echo ${UNAME_MACHINE}-ibm-aix${IBM_REV}

```



```

exit ;;
*:AIX:2:3)
if grep bos325 /usr/include/stdio.h >/dev/null 2>&1; then
eval $set_cc_for_build
sed 's/^ //' << EOF >$dummy.c
#include <sys/systemcfg.h>

main()
{
if (!__power_pc())
exit(1);
puts("powerpc-ibm-aix3.2.5");
exit(0);
}
EOF
if $CC_FOR_BUILD -o $dummy $dummy.c && SYSTEM_NAME=`$dummy`
then
echo "$SYSTEM_NAME"
else
echo rs6000-ibm-aix3.2.5
fi
elif grep bos324 /usr/include/stdio.h >/dev/null 2>&1; then
echo rs6000-ibm-aix3.2.4
else
echo rs6000-ibm-aix3.2
fi
exit ;;
*:AIX:*:[4567])
IBM_CPU_ID=`/usr/sbin/lscdev -C -c processor -S available | sed 1q | awk '{ print $1 }'`
if /usr/sbin/lscattr -El ${IBM_CPU_ID} | grep 'POWER' >/dev/null 2>&1; then
IBM_ARCH=rs6000
else
IBM_ARCH=powerpc
fi
if [ -x /usr/bin/oslevel ] ; then
IBM_REV=`/usr/bin/oslevel`
else
IBM_REV=${UNAME_VERSION}.${UNAME_RELEASE}
fi
echo ${IBM_ARCH}-ibm-aix${IBM_REV}
exit ;;
*:AIX:*:*)
echo rs6000-ibm-aix
exit ;;
ibmrt:4.4BSD:*|romp-ibm:BSD:*)
echo romp-ibm-bsd4.4
exit ;;
ibmrt:*BSD:*|romp-ibm:BSD:*) # covers RT/PC BSD and

```

```

echo romp-ibm-bsd${UNAME_RELEASE} # 4.3 with uname added to
exit ;; # report: romp-ibm BSD 4.3
*:BOSX:*)
echo rs6000-bull-bosx
exit ;;
DPX/2?00:B.O.S.:*)
echo m68k-bull-sysv3
exit ;;
9000/[34]?:4.3bsd:1.*)
echo m68k-hp-bsd
exit ;;
hp300:4.4BSD:* | 9000/[34]?:4.3bsd:2.*)
echo m68k-hp-bsd4.4
exit ;;
9000/[34678]?:HP-UX:*)
HPUX_REV=`echo ${UNAME_RELEASE}|sed -e 's/[^\.]*.[0B]*/'^
case "${UNAME_MACHINE}" in
    9000/31? ) HP_ARCH=m68000 ;;
    9000/[34]?? ) HP_ARCH=m68k ;;
    9000/[678][0-9][0-9])
if [ -x /usr/bin/getconf ]; then
    sc_cpu_version=`/usr/bin/getconf SC_CPU_VERSION 2>/dev/null`
    sc_kernel_bits=`/usr/bin/getconf SC_KERNEL_BITS 2>/dev/null`
    case "${sc_cpu_version}" in
        523) HP_ARCH="hppa1.0" ;; # CPU_PA_RISC1_0
        528) HP_ARCH="hppa1.1" ;; # CPU_PA_RISC1_1
        532) # CPU_PA_RISC2_0
    case "${sc_kernel_bits}" in
        32) HP_ARCH="hppa2.0n" ;;
        64) HP_ARCH="hppa2.0w" ;;
        ") HP_ARCH="hppa2.0" ;; # HP-UX 10.20
    esac ;;
    esac
fi
if [ "${HP_ARCH}" = "" ]; then
    eval `set_cc_for_build`
    sed 's/^ //' << EOF >>$dummy.c

#define _HPUX_SOURCE
#include <stdlib.h>
#include <unistd.h>

int main ()
{
#if defined(_SC_KERNEL_BITS)
    long bits = sysconf(_SC_KERNEL_BITS);
#endif
    long cpu = sysconf (_SC_CPU_VERSION);

```

```

    switch (cpu)
    {
    case CPU_PA_RISC1_0: puts ("hppa1.0"); break;
    case CPU_PA_RISC1_1: puts ("hppa1.1"); break;
    case CPU_PA_RISC2_0:
    #if defined(_SC_KERNEL_BITS)
        switch (bits)
        {
        case 64: puts ("hppa2.0w"); break;
        case 32: puts ("hppa2.0n"); break;
        default: puts ("hppa2.0"); break;
        } break;
    #else /* !defined(_SC_KERNEL_BITS) */
        puts ("hppa2.0"); break;
    #endif
    default: puts ("hppa1.0"); break;
    }
    exit (0);
}
EOF
(CCOPTS= $CC_FOR_BUILD -o $dummy $dummy.c 2>/dev/null) && HP_ARCH=`$dummy`
test -z "$HP_ARCH" && HP_ARCH=hppa
fi ;;
esac
if [ ${HP_ARCH} = "hppa2.0w" ]
then
    eval $set_cc_for_build

    # hppa2.0w-hp-hpux* has a 64-bit kernel and a compiler generating
    # 32-bit code. hppa64-hp-hpux* has the same kernel and a compiler
    # generating 64-bit code. GNU and HP use different nomenclature:
    #
    # $ CC_FOR_BUILD=cc ./config.guess
    # => hppa2.0w-hp-hpux11.23
    # $ CC_FOR_BUILD="cc +DA2.0w" ./config.guess
    # => hppa64-hp-hpux11.23

    if echo __LP64__ | (CCOPTS= $CC_FOR_BUILD -E - 2>/dev/null) |
    grep -q __LP64__
    then
    HP_ARCH="hppa2.0w"
    else
    HP_ARCH="hppa64"
    fi
fi
echo ${HP_ARCH}-hp-hpux${HPUX_REV}
exit ;;

```

```

ia64:HP-UX:*:*)
HPUX_REV=`echo ${UNAME_RELEASE}|sed -e 's/[^.]*. [0B]*//'^
echo ia64-hp-hpux${HPUX_REV}
exit ;;
3050*:HI-UX:*:*)
eval $set_cc_for_build
sed 's/^ //' << EOF >$dummy.c
#include <unistd.h>
int
main ()
{
    long cpu = sysconf (_SC_CPU_VERSION);
    /* The order matters, because CPU_IS_HP_MC68K erroneously returns
       true for CPU_PA_RISC1_0. CPU_IS_PA_RISC returns correct
       results, however. */
    if (CPU_IS_PA_RISC (cpu))
    {
        switch (cpu)
        {
            case CPU_PA_RISC1_0: puts ("hppa1.0-hitachi-hiuxwe2"); break;
            case CPU_PA_RISC1_1: puts ("hppa1.1-hitachi-hiuxwe2"); break;
            case CPU_PA_RISC2_0: puts ("hppa2.0-hitachi-hiuxwe2"); break;
            default: puts ("hppa-hitachi-hiuxwe2"); break;
        }
    }
    else if (CPU_IS_HP_MC68K (cpu))
        puts ("m68k-hitachi-hiuxwe2");
    else puts ("unknown-hitachi-hiuxwe2");
    exit (0);
}
EOF
$CC_FOR_BUILD -o $dummy $dummy.c && SYSTEM_NAME=`$dummy` &&
{ echo "$SYSTEM_NAME"; exit; }
echo unknown-hitachi-hiuxwe2
exit ;;
9000/7???:4.3bsd:*:*) | 9000/8?[79]:4.3bsd:*:*)
echo hppa1.1-hp-bsd
exit ;;
9000/8???:4.3bsd:*:*)
echo hppa1.0-hp-bsd
exit ;;
*9???:MPE/iX:*:*) | *3000*:MPE/iX:*:*)
echo hppa1.0-hp-mpeix
exit ;;
hp7???:OSF1:*:*) | hp8?[79]:OSF1:*:*)
echo hppa1.1-hp-osf
exit ;;
hp8???:OSF1:*:*)

```

```

echo hppa1.0-hp-osf
exit ;;
i*86:OSF1:*:*)
if [ -x /usr/sbin/sysversion ] ; then
    echo ${UNAME_MACHINE}-unknown-osf1mk
else
    echo ${UNAME_MACHINE}-unknown-osf1
fi
exit ;;
parisc*:Lites:*:*)
echo hppa1.1-hp-lites
exit ;;
C1*:ConvexOS:*:* | convex:ConvexOS:C1*:* )
echo c1-convex-bsd
exit ;;
C2*:ConvexOS:*:* | convex:ConvexOS:C2*:* )
if getsysinfo -f scalar_acc
then echo c32-convex-bsd
else echo c2-convex-bsd
fi
exit ;;
C34*:ConvexOS:*:* | convex:ConvexOS:C34*:* )
echo c34-convex-bsd
exit ;;
C38*:ConvexOS:*:* | convex:ConvexOS:C38*:* )
echo c38-convex-bsd
exit ;;
C4*:ConvexOS:*:* | convex:ConvexOS:C4*:* )
echo c4-convex-bsd
exit ;;
CRAY*Y-MP:*:*)
echo ymp-cray-unicos${UNAME_RELEASE} | sed -e 's/^[^.]*/.X/'
exit ;;
CRAY*[A-Z]90:*:*)
echo ${UNAME_MACHINE}-cray-unicos${UNAME_RELEASE} \
| sed -e 's/CRAY.*\([A-Z]90\)\^1/' \
    -e y/ABCDEFGHIJKLMNPOQRSTUVWXYZ/abcdefghijklmnopqrstuvwxyz/ \
    -e 's/^[^.]*/.X/'
exit ;;
CRAY*TS:*:*)
echo t90-cray-unicos${UNAME_RELEASE} | sed -e 's/^[^.]*/.X/'
exit ;;
CRAY*T3E:*:*)
echo alphaev5-cray-unicosmk${UNAME_RELEASE} | sed -e 's/^[^.]*/.X/'
exit ;;
CRAY*SV1:*:*)
echo sv1-cray-unicos${UNAME_RELEASE} | sed -e 's/^[^.]*/.X/'
exit ;;

```

```

*:UNICOS/mp:*:*)
echo craynv-cray-unicosmp${UNAME_RELEASE} | sed -e 's/^[^]*$/X/'
exit ;;
F30[01]:UNIX_System_V:*:* | F700:UNIX_System_V:*:*)
FUJITSU_PROC=`uname -m | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz'^
FUJITSU_SYS=`uname -p | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz' | sed -e
's/\/\/'^
FUJITSU_REL=`echo ${UNAME_RELEASE} | sed -e 's/ /_/'^
echo "${FUJITSU_PROC}-fujitsu-${FUJITSU_SYS}${FUJITSU_REL}"
exit ;;
5000:UNIX_System_V:4:*:*)
FUJITSU_SYS=`uname -p | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz' | sed -e
's/\/\/'^
FUJITSU_REL=`echo ${UNAME_RELEASE} | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ'
'abcdefghijklmnopqrstuvwxyz' | sed -e 's/ /_/'^
echo "sparc-fujitsu-${FUJITSU_SYS}${FUJITSU_REL}"
exit ;;
i*86:BSD/386:*:* | i*86:BSD/OS:*:* | *:Ascend\ Embedded/OS:*:*)
echo ${UNAME_MACHINE}-pc-bsdi${UNAME_RELEASE}
exit ;;
sparc*:BSD/OS:*:*)
echo sparc-unknown-bsdi${UNAME_RELEASE}
exit ;;
*:BSD/OS:*:*)
echo ${UNAME_MACHINE}-unknown-bsdi${UNAME_RELEASE}
exit ;;
*:FreeBSD:*:*)
UNAME_PROCESSOR=`usr/bin/uname -p`
case ${UNAME_PROCESSOR} in
amd64)
echo x86_64-unknown-freebsd`echo ${UNAME_RELEASE}|sed -e 's/[-(].*//'^ ;;
*)
echo ${UNAME_PROCESSOR}-unknown-freebsd`echo ${UNAME_RELEASE}|sed -e 's/[-(].*//'^ ;;
esac
exit ;;
i*:CYGWIN*:*:*)
echo ${UNAME_MACHINE}-pc-cygwin
exit ;;
*:MINGW64*:*:*)
echo ${UNAME_MACHINE}-pc-mingw64
exit ;;
*:MINGW*:*:*)
echo ${UNAME_MACHINE}-pc-mingw32
exit ;;
i*:MSYS*:*:*)
echo ${UNAME_MACHINE}-pc-msys
exit ;;
i*:windows32*:*:*)

```

```

# uname -m includes "-pc" on this system.
echo ${UNAME_MACHINE}-mingw32
exit ;;
i*:PW*:*))
echo ${UNAME_MACHINE}-pc-pw32
exit ;;
*:Interix*:*))
case ${UNAME_MACHINE} in
  x86)
    echo i586-pc-interix${UNAME_RELEASE}
    exit ;;
    authenticamd | genuineintel | EM64T)
    echo x86_64-unknown-interix${UNAME_RELEASE}
    exit ;;
    IA64)
    echo ia64-unknown-interix${UNAME_RELEASE}
    exit ;;
  esac ;;
  [345]86:Windows_95:* | [345]86:Windows_98:* | [345]86:Windows_NT:*)
  echo i${UNAME_MACHINE}-pc-mks
  exit ;;
  8664:Windows_NT:*)
  echo x86_64-pc-mks
  exit ;;
  i*:Windows_NT*:* | Pentium*:Windows_NT*:*))
# How do we know it's Interix rather than the generic POSIX subsystem?
# It also conflicts with pre-2.0 versions of AT&T UWIN. Should we
# UNAME_MACHINE based on the output of uname instead of i386?
echo i586-pc-interix
exit ;;
i*:UWIN*:*))
echo ${UNAME_MACHINE}-pc-uwin
exit ;;
amd64:CYGWIN*:*:* | x86_64:CYGWIN*:*:*))
echo x86_64-unknown-cygwin
exit ;;
p*:CYGWIN*:*))
echo powerpcle-unknown-cygwin
exit ;;
prep*:SunOS:5.*:*))
echo powerpcle-unknown-solaris2`echo ${UNAME_RELEASE}|sed -e 's/[^\.]*/'^
exit ;;
*:GNU*:*))
# the GNU system
echo `echo ${UNAME_MACHINE}|sed -e 's,[-/].*$,,`-unknown-gnu`echo ${UNAME_RELEASE}|sed -e 's,/.*$,,`
exit ;;
*:GNU/*:*:*))
# other systems with GNU libc and userland

```

```

echo ${UNAME_MACHINE}-unknown-`echo ${UNAME_SYSTEM} | sed 's,^[^/]*/,,' | tr '[A-Z]' '[a-z]`echo
${UNAME_RELEASE}|sed -e 's/[-().*/~^'-gnu
exit ;;
i*86:Minix:*:*)
echo ${UNAME_MACHINE}-pc-minix
exit ;;
aarch64:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-gnu
exit ;;
aarch64_be:Linux:*:*)
UNAME_MACHINE=aarch64_be
echo ${UNAME_MACHINE}-unknown-linux-gnu
exit ;;
alpha:Linux:*:*)
case `sed -n '/^cpu model/s/^.*: \(.*/\)/1/p' < /proc/cpuinfo` in
EV5) UNAME_MACHINE=alphaev5 ;;
EV56) UNAME_MACHINE=alphaev56 ;;
PCA56) UNAME_MACHINE=alphapca56 ;;
PCA57) UNAME_MACHINE=alphapca56 ;;
EV6) UNAME_MACHINE=alphaev6 ;;
EV67) UNAME_MACHINE=alphaev67 ;;
EV68*) UNAME_MACHINE=alphaev68 ;;
esac
objdump --private-headers /bin/sh | grep -q ld.so.1
if test "$?" = 0 ; then LIBC="gnulibc1" ; else LIBC="" ; fi
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
arm*:Linux:*:*)
eval $set_cc_for_build
if echo __ARM_EABI__ | $CC_FOR_BUILD -E - 2>/dev/null \
| grep -q __ARM_EABI__
then
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
else
if echo __ARM_PCS_VFP | $CC_FOR_BUILD -E - 2>/dev/null \
| grep -q __ARM_PCS_VFP
then
echo ${UNAME_MACHINE}-unknown-linux-gnueabi
else
echo ${UNAME_MACHINE}-unknown-linux-gnueabihf
fi
fi
exit ;;
avr32*:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
cris:Linux:*:*)
echo ${UNAME_MACHINE}-axis-linux-${LIBC}

```



```

exit ;;
    criv32:Linux:*:*)
echo ${UNAME_MACHINE}-axis-linux-${LIBC}
exit ;;
    frv:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
    hexagon:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
    i*86:Linux:*:*)
LIBC=gnu
eval $set_cc_for_build
sed 's/^ //' << EOF >$dummy.c
#ifdef __dietlibc__
LIBC=dietlibc
#endif
EOF
eval ` $CC_FOR_BUILD -E $dummy.c 2>/dev/null | grep '^LIBC'`
echo "${UNAME_MACHINE}-pc-linux-${LIBC}"
exit ;;
    ia64:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
    m32r*:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
    m68*:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
    mips:Linux:*:* | mips64:Linux:*:*)
eval $set_cc_for_build
sed 's/^ //' << EOF >$dummy.c
#ifdef CPU
#ifdef ${UNAME_MACHINE}
#ifdef ${UNAME_MACHINE}el
#if defined(__MIPSEL__) || defined(__MIPSEL) || defined(_MIPSEL) || defined(MIPSEL)
CPU=${UNAME_MACHINE}el
#else
#if defined(__MIPSEB__) || defined(__MIPSEB) || defined(_MIPSEB) || defined(MIPSEB)
CPU=${UNAME_MACHINE}
#else
CPU=
#endif
#endif
#endif
EOF
eval ` $CC_FOR_BUILD -E $dummy.c 2>/dev/null | grep '^CPU'`
test x"${CPU}" != x && { echo "${CPU}-unknown-linux-${LIBC}"; exit; }

```

```

;;
  or32:Linux:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
  padre:Linux:*)
echo sparc-unknown-linux-${LIBC}
exit ;;
  parisc64:Linux:* | hppa64:Linux:*)
echo hppa64-unknown-linux-${LIBC}
exit ;;
  parisc:Linux:* | hppa:Linux:*)
# Look for CPU level
case `grep '^cpu[^a-z]*:' /proc/cpuinfo 2>/dev/null | cut -d' ' -f2` in
  PA7*) echo hppa1.1-unknown-linux-${LIBC} ;;
  PA8*) echo hppa2.0-unknown-linux-${LIBC} ;;
  *) echo hppa-unknown-linux-${LIBC} ;;
esac
exit ;;
  ppc64:Linux:*)
echo powerpc64-unknown-linux-${LIBC}
exit ;;
  ppc:Linux:*)
echo powerpc-unknown-linux-${LIBC}
exit ;;
  s390:Linux:* | s390x:Linux:*)
echo ${UNAME_MACHINE}-ibm-linux
exit ;;
  sh64*:Linux:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
  sh*:Linux:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
  sparc:Linux:* | sparc64:Linux:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
  tile*:Linux:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
  vax:Linux:*)
echo ${UNAME_MACHINE}-dec-linux-${LIBC}
exit ;;
  x86_64:Linux:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
  xtensa*:Linux:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;

```

```

i*86:DYNIX/ptx:4*:**)
# ptx 4.0 does uname -s correctly, with DYNIX/ptx in there.
# earlier versions are messed up and put the nodename in both
# sysname and nodename.
echo i386-sequent-sysv4
exit ;;
i*86:UNIX_SV:4.2MP:2.*)
# Unixware is an offshoot of SVR4, but it has its own version
# number series starting with 2...
# I am not positive that other SVR4 systems won't match this,
# I just have to hope. -- rms.
# Use sysv4.2uw... so that sysv4* matches it.
echo ${UNAME_MACHINE}-pc-sysv4.2uw${UNAME_VERSION}
exit ;;
i*86:OS/2:*:**)
# If we were able to find `uname', then EMX Unix compatibility
# is probably installed.
echo ${UNAME_MACHINE}-pc-os2-emx
exit ;;
i*86:XTS-300:*:*STOP)
echo ${UNAME_MACHINE}-unknown-stop
exit ;;
i*86:atheos:*:**)
echo ${UNAME_MACHINE}-unknown-atheos
exit ;;
i*86:syllable:*:**)
echo ${UNAME_MACHINE}-pc-syllable
exit ;;
i*86:LynxOS:2.*:* | i*86:LynxOS:3.[01]*:* | i*86:LynxOS:4.[02]*:**)
echo i386-unknown-lynxos${UNAME_RELEASE}
exit ;;
i*86:*DOS:*:**)
echo ${UNAME_MACHINE}-pc-msdosdjgpp
exit ;;
i*86:*:4.*:* | i*86:SYSTEM_V:4.*:**)
UNAME_REL=`echo ${UNAME_RELEASE} | sed 's/\MP$/'"`
if grep Novell /usr/include/link.h >/dev/null 2>/dev/null; then
echo ${UNAME_MACHINE}-univel-sysv${UNAME_REL}
else
echo ${UNAME_MACHINE}-pc-sysv${UNAME_REL}
fi
exit ;;
i*86:*:5:[678]*)
# UnixWare 7.x, OpenUNIX and OpenServer 6.
case `bin/uname -X | grep "^Machine"` in
*486*) UNAME_MACHINE=i486 ;;
*Pentium) UNAME_MACHINE=i586 ;;
*Pent*|*Celeron) UNAME_MACHINE=i686 ;;

```

```

esac
echo ${UNAME_MACHINE}-unknown-
sysv${UNAME_RELEASE}${UNAME_SYSTEM}${UNAME_VERSION}
exit ;;
    i*86:*:3.2:*)
if test -f /usr/options/cb.name; then
    UNAME_REL=`sed -n 's/.*Version //p' </usr/options/cb.name`
    echo ${UNAME_MACHINE}-pc-isc$UNAME_REL
elif /bin/uname -X 2>/dev/null >/dev/null ; then
    UNAME_REL=`(/bin/uname -X|grep Release|sed -e 's/.*= //')`
    (/bin/uname -X|grep i80486 >/dev/null) && UNAME_MACHINE=i486
    (/bin/uname -X|grep '^Machine.*Pentium' >/dev/null) \
    && UNAME_MACHINE=i586
    (/bin/uname -X|grep '^Machine.*Pent *II' >/dev/null) \
    && UNAME_MACHINE=i686
    (/bin/uname -X|grep '^Machine.*Pentium Pro' >/dev/null) \
    && UNAME_MACHINE=i686
    echo ${UNAME_MACHINE}-pc-sco$UNAME_REL
else
    echo ${UNAME_MACHINE}-pc-sysv32
fi
exit ;;
    pc:*:*:*)
# Left here for compatibility:
# uname -m prints for DJGPP always 'pc', but it prints nothing about
# the processor, so we play safe by assuming i586.
# Note: whatever this is, it MUST be the same as what config.sub
# prints for the "djgpp" host, or else GDB configury will decide that
# this is a cross-build.
echo i586-pc-msdosdjgpp
exit ;;
    Intel:Mach:3:*:*)
echo i386-pc-mach3
exit ;;
    paragon:*:*:*)
echo i860-intel-osf1
exit ;;
    i860:*:4.*:*:*) # i860-SVR4
if grep Stardent /usr/include/sys/uadmin.h >/dev/null 2>&1 ; then
    echo i860-stardent-sysv${UNAME_RELEASE} # Stardent Vistra i860-SVR4
else # Add other i860-SVR4 vendors below as they are discovered.
    echo i860-unknown-sysv${UNAME_RELEASE} # Unknown i860-SVR4
fi
exit ;;
    mini*:CTIX:SYS*5:*:*)
# "miniframe"
echo m68010-convergent-sysv
exit ;;

```

```

mc68k:UNIX:SYSTEM5:3.51m)
echo m68k-convergent-sysv
exit ;;
M680?0:D-NIX:5.3:*)
echo m68k-diab-dnix
exit ;;
M68*:*:R3V[5678]*:*)
test -r /sysV68 && { echo 'm68k-motorola-sysv'; exit; } ;;
3[345]??:*:4.0:3.0 | 3[34]??A:*:4.0:3.0 | 3[34]??,*:*:4.0:3.0 | 3[34]??/*:*:4.0:3.0 | 4400:*:4.0:3.0 | 4850:*:4.0:3.0 |
SKA40:*:4.0:3.0 | SDS2:*:4.0:3.0 | SHG2:*:4.0:3.0 | S7501*:*:4.0:3.0)
OS_REL=""
test -r /etc/.relid \
&& OS_REL=`sed -n 's/[^ ]* [^ ]* \([0-9][0-9]\).*\1/p' < /etc/.relid`
/bin/uname -p 2>/dev/null | grep 86 >/dev/null \
&& { echo i486-ncr-sysv4.3${OS_REL}; exit; }
/bin/uname -p 2>/dev/null | /bin/grep entium >/dev/null \
&& { echo i586-ncr-sysv4.3${OS_REL}; exit; } ;;
3[34]??:*:4.0:* | 3[34]??,*:*:4.0:*)
/bin/uname -p 2>/dev/null | grep 86 >/dev/null \
&& { echo i486-ncr-sysv4; exit; } ;;
NCR*:*:4.2:* | MPRAS*:*:4.2:*)
OS_REL='.3'
test -r /etc/.relid \
&& OS_REL=`sed -n 's/[^ ]* [^ ]* \([0-9][0-9]\).*\1/p' < /etc/.relid`
/bin/uname -p 2>/dev/null | grep 86 >/dev/null \
&& { echo i486-ncr-sysv4.3${OS_REL}; exit; }
/bin/uname -p 2>/dev/null | /bin/grep entium >/dev/null \
&& { echo i586-ncr-sysv4.3${OS_REL}; exit; }
/bin/uname -p 2>/dev/null | /bin/grep pteron >/dev/null \
&& { echo i586-ncr-sysv4.3${OS_REL}; exit; } ;;
m68*:LynxOS:2.*:* | m68*:LynxOS:3.0*:**)
echo m68k-unknown-lynxos${UNAME_RELEASE}
exit ;;
mc68030:UNIX_System_V:4.*:*)
echo m68k-atari-sysv4
exit ;;
TSUNAMI:LynxOS:2.*:*)
echo sparc-unknown-lynxos${UNAME_RELEASE}
exit ;;
rs6000:LynxOS:2.*:*)
echo rs6000-unknown-lynxos${UNAME_RELEASE}
exit ;;
PowerPC:LynxOS:2.*:* | PowerPC:LynxOS:3.[01]*:* | PowerPC:LynxOS:4.[02]*:**)
echo powerpc-unknown-lynxos${UNAME_RELEASE}
exit ;;
SM[BE]S:UNIX_SV:*:*)
echo mips-dde-sysv${UNAME_RELEASE}
exit ;;

```

```

    RM*:ReliantUNIX-*:*)
echo mips-sni-sysv4
exit ;;
    RM*:SINIX-*:*)
echo mips-sni-sysv4
exit ;;
    *:SINIX-*:*)
if uname -p 2>/dev/null >/dev/null ; then
    UNAME_MACHINE=`uname -p 2>/dev/null`
    echo ${UNAME_MACHINE}-sni-sysv4
else
    echo ns32k-sni-sysv
fi
exit ;;
    PENTIUM*:4.0*:*) # Unisys `ClearPath HMP IX 4000' SVR4/MP effort
    # says <Richard.M.Bartel@ccMail.Census.GOV>
echo i586-unisys-sysv4
exit ;;
    *:UNIX_System_V:4*:FTX*)
# From Gerald Hewes <hewes@openmarket.com>.
# How about differentiating between stratus architectures? -djm
echo hppa1.1-stratus-sysv4
exit ;;
    *:*:FTX*)
# From seanf@swdc.stratus.com.
echo i860-stratus-sysv4
exit ;;
    i*86:VOS:*)
# From Paul.Green@stratus.com.
echo ${UNAME_MACHINE}-stratus-vos
exit ;;
    *:VOS:*)
# From Paul.Green@stratus.com.
echo hppa1.1-stratus-vos
exit ;;
    mc68*:A/UX:*)
echo m68k-apple-aux${UNAME_RELEASE}
exit ;;
    news*:NEWS-OS:6*:*)
echo mips-sony-newsos6
exit ;;
    R[34]000:*System_V*:*) | R4000:UNIX_SYSV*:*) | R*000:UNIX_SV*:*)
if [ -d /usr/nec ]; then
    echo mips-nec-sysv${UNAME_RELEASE}
else
    echo mips-unknown-sysv${UNAME_RELEASE}
fi
exit ;;

```

```

    BeBox:BeOS:*:*) # BeOS running on hardware made by Be, PPC only.
echo powerpc-be-beos
exit ;;
    BeMac:BeOS:*:*) # BeOS running on Mac or Mac clone, PPC only.
echo powerpc-apple-beos
exit ;;
    BePC:BeOS:*:*) # BeOS running on Intel PC compatible.
echo i586-pc-beos
exit ;;
    BePC:Haiku:*:*) # Haiku running on Intel PC compatible.
echo i586-pc-haiku
exit ;;
    x86_64:Haiku:*:*)
echo x86_64-unknown-haiku
exit ;;
    SX-4:SUPER-UX:*:*)
echo sx4-nec-superux${UNAME_RELEASE}
exit ;;
    SX-5:SUPER-UX:*:*)
echo sx5-nec-superux${UNAME_RELEASE}
exit ;;
    SX-6:SUPER-UX:*:*)
echo sx6-nec-superux${UNAME_RELEASE}
exit ;;
    SX-7:SUPER-UX:*:*)
echo sx7-nec-superux${UNAME_RELEASE}
exit ;;
    SX-8:SUPER-UX:*:*)
echo sx8-nec-superux${UNAME_RELEASE}
exit ;;
    SX-8R:SUPER-UX:*:*)
echo sx8r-nec-superux${UNAME_RELEASE}
exit ;;
    Power*:Rhapsody:*:*)
echo powerpc-apple-rhapsody${UNAME_RELEASE}
exit ;;
    *:Rhapsody:*:*)
echo ${UNAME_MACHINE}-apple-rhapsody${UNAME_RELEASE}
exit ;;
    *:Darwin:*:*)
UNAME_PROCESSOR=`uname -p` || UNAME_PROCESSOR=unknown
case $UNAME_PROCESSOR in
    i386)
eval $set_cc_for_build
if [ "$CC_FOR_BUILD" != 'no_compiler_found' ]; then
    if (echo '#ifdef __LP64__'; echo IS_64BIT_ARCH; echo '#endif') | \
        (CCOPTS= $CC_FOR_BUILD -E - 2>/dev/null) | \
        grep IS_64BIT_ARCH >/dev/null

```

```

then
    UNAME_PROCESSOR="x86_64"
fi
fi ;;
unknown) UNAME_PROCESSOR=powerpc ;;
esac
echo ${UNAME_PROCESSOR}-apple-darwin${UNAME_RELEASE}
exit ;;
*:procnto*:*:* | *:QNX:[0123456789]*:*)
UNAME_PROCESSOR=`uname -p`
if test "$UNAME_PROCESSOR" = "x86"; then
    UNAME_PROCESSOR=i386
    UNAME_MACHINE=pc
fi
echo ${UNAME_PROCESSOR}-${UNAME_MACHINE}-nto-qnx${UNAME_RELEASE}
exit ;;
*:QNX:*:4*)
echo i386-pc-qnx
exit ;;
NEO-?:NONSTOP_KERNEL:*:*)
echo neo-tandem-nsk${UNAME_RELEASE}
exit ;;
NSE-*:NONSTOP_KERNEL:*:*)
echo nse-tandem-nsk${UNAME_RELEASE}
exit ;;
NSR-?:NONSTOP_KERNEL:*:*)
echo nsr-tandem-nsk${UNAME_RELEASE}
exit ;;
*:NonStop-UX:*:*)
echo mips-compaq-nonstopux
exit ;;
BS2000:POSIX*:*:*)
echo bs2000-siemens-sysv
exit ;;
DS/*:UNIX_System_V:*:*)
echo ${UNAME_MACHINE}-${UNAME_SYSTEM}-${UNAME_RELEASE}
exit ;;
*:Plan9:*:*)
# "uname -m" is not consistent, so use $cputype instead. 386
# is converted to i386 for consistency with other x86
# operating systems.
if test "$cputype" = "386"; then
    UNAME_MACHINE=i386
else
    UNAME_MACHINE="$cputype"
fi
echo ${UNAME_MACHINE}-unknown-plan9
exit ;;

```



```

*:TOPS-10:*)
echo pdp10-unknown-tops10
exit ;;
*:TENEX:*)
echo pdp10-unknown-tenex
exit ;;
KS10:TOPS-20:*:* | KL10:TOPS-20:*:* | TYPE4:TOPS-20:*:*
echo pdp10-dec-tops20
exit ;;
XKL-1:TOPS-20:*:* | TYPE5:TOPS-20:*:*
echo pdp10-xkl-tops20
exit ;;
*:TOPS-20:*:*
echo pdp10-unknown-tops20
exit ;;
*:ITS:*)
echo pdp10-unknown-its
exit ;;
SEI:*:*:SEIUX)
echo mips-sei-seiux${UNAME_RELEASE}
exit ;;
*:DragonFly:*)
echo ${UNAME_MACHINE}-unknown-dragonfly`echo ${UNAME_RELEASE}|sed -e 's/[-().*/\`
exit ;;
*:*VMS:*)
UNAME_MACHINE=`(uname -p) 2>/dev/null`
case "${UNAME_MACHINE}" in
  A*) echo alpha-dec-vms ; exit ;;
  I*) echo ia64-dec-vms ; exit ;;
  V*) echo vax-dec-vms ; exit ;;
esac ;;
*:XENIX:*.SysV)
echo i386-pc-xenix
exit ;;
i*86:skyos:*:*)
echo ${UNAME_MACHINE}-pc-skyos`echo ${UNAME_RELEASE}` | sed -e 's/.*$//'
exit ;;
i*86:rdos:*:*)
echo ${UNAME_MACHINE}-pc-rdos
exit ;;
i*86:AROS:*:*)
echo ${UNAME_MACHINE}-pc-aros
exit ;;
x86_64:VMkernel:*:*)
echo ${UNAME_MACHINE}-unknown-esx
exit ;;
esac

```

```

eval $set_cc_for_build
cat >$dummy.c <<EOF
#ifdef _SEQUENT_
# include <sys/types.h>
# include <sys/utsname.h>
#endif
main ()
{
#ifdef sony
#ifdef MIPSEB
/* BFD wants "bsd" instead of "newsos". Perhaps BFD should be changed,
   I don't know.... */
printf ("mips-sony-bsd\n"); exit (0);
#else
#include <sys/param.h>
printf ("m68k-sony-newsos%s\n",
#ifdef NEWSOS4
"4"
#else
""
#endif
); exit (0);
#endif
#endif

#ifdef (__arm) && defined (__acorn) && defined (__unix)
printf ("arm-acorn-riscix\n"); exit (0);
#endif

#ifdef hp300 && !defined (hpux)
printf ("m68k-hp-bsd\n"); exit (0);
#endif

#ifdef NeXT
#ifdef !defined (__ARCHITECTURE__)
#define __ARCHITECTURE__ "m68k"
#endif
int version;
version=`(hostinfo | sed -n 's/. *NeXT Mach \([0-9]*\).*\1/p') 2>/dev/null`;
if (version < 4)
printf ("%s-next-nextstep%d\n", __ARCHITECTURE__, version);
else
printf ("%s-next-openstep%d\n", __ARCHITECTURE__, version);
exit (0);
#endif

#ifdef MULTIMAX || defined (n16)
#ifdef UMAXV

```

```

printf ("ns32k-encore-sysv\n"); exit (0);
#else
#if defined (CMU)
printf ("ns32k-encore-mach\n"); exit (0);
#else
printf ("ns32k-encore-bsd\n"); exit (0);
#endif
#endif
#endif

#if defined (__386BSD__)
printf ("i386-pc-bsd\n"); exit (0);
#endif

#if defined (sequent)
#if defined (i386)
printf ("i386-sequent-dynix\n"); exit (0);
#endif
#if defined (ns32000)
printf ("ns32k-sequent-dynix\n"); exit (0);
#endif
#endif

#if defined (_SEQUENT_)
struct utsname un;

uname(&un);

if (strncmp(un.version, "V2", 2) == 0) {
printf ("i386-sequent-ptx2\n"); exit (0);
}
if (strncmp(un.version, "V1", 2) == 0) { /* XXX is V1 correct? */
printf ("i386-sequent-ptx1\n"); exit (0);
}
printf ("i386-sequent-ptx\n"); exit (0);

#endif

#if defined (vax)
# if !defined (ultrix)
# include <sys/param.h>
# if defined (BSD)
# if BSD == 43
printf ("vax-dec-bsd4.3\n"); exit (0);
# else
# if BSD == 199006
printf ("vax-dec-bsd4.3reno\n"); exit (0);
# else

```

```

    printf ("vax-dec-bsd\n"); exit (0);
# endif
# endif
# else
    printf ("vax-dec-bsd\n"); exit (0);
# endif
# else
    printf ("vax-dec-ultrix\n"); exit (0);
# endif
#endif

#if defined (alliant) && defined (i860)
    printf ("i860-alliant-bsd\n"); exit (0);
#endif

exit (1);
}
EOF

$CC_FOR_BUILD -o $dummy $dummy.c 2>/dev/null && SYSTEM_NAME=`$dummy` &&
{ echo "$SYSTEM_NAME"; exit; }

# Apollos put the system type in the environment.

test -d /usr/apollo && { echo ${ISP}-apollo-${SYSTYPE}; exit; }

# Convex versions that predate uname can use getsysinfo(1)

if [ -x /usr/convex/getsysinfo ]
then
    case `getsysinfo -f cpu_type` in
    c1*)
        echo c1-convex-bsd
        exit ;;
    c2*)
        if getsysinfo -f scalar_acc
        then echo c32-convex-bsd
        else echo c2-convex-bsd
        fi
        exit ;;
    c34*)
        echo c34-convex-bsd
        exit ;;
    c38*)
        echo c38-convex-bsd
        exit ;;
    c4*)
        echo c4-convex-bsd

```

```
exit ;;
esac
fi
```

```
cat >&2 <<EOF
```

```
$0: unable to guess system type
```

This script, last modified \$timestamp, has failed to recognize the operating system you are using. It is advised that you download the most up to date version of the config scripts from

http://git.savannah.gnu.org/gitweb/?p=config.git;a=blob_plain;f=config.guess;hb=HEAD
and

http://git.savannah.gnu.org/gitweb/?p=config.git;a=blob_plain;f=config.sub;hb=HEAD

If the version you run (\$0) is already up to date, please send the following data and any information you think might be pertinent to <config-patches@gnu.org> in order to provide the needed information to handle your system.

```
config.guess timestamp = $timestamp
```

```
uname -m = `(uname -m) 2>/dev/null || echo unknown`
uname -r = `(uname -r) 2>/dev/null || echo unknown`
uname -s = `(uname -s) 2>/dev/null || echo unknown`
uname -v = `(uname -v) 2>/dev/null || echo unknown`
```

```
/usr/bin/uname -p = `(/usr/bin/uname -p) 2>/dev/null`
/bin/uname -X    = `(/bin/uname -X) 2>/dev/null`
```

```
hostinfo        = `(hostinfo) 2>/dev/null`
/bin/universe    = `(/bin/universe) 2>/dev/null`
/usr/bin/arch -k = `(/usr/bin/arch -k) 2>/dev/null`
/bin/arch        = `(/bin/arch) 2>/dev/null`
/usr/bin/oslevel = `(/usr/bin/oslevel) 2>/dev/null`
/usr/convex/getsysinfo = `(/usr/convex/getsysinfo) 2>/dev/null`
```

```
UNAME_MACHINE = ${UNAME_MACHINE}
UNAME_RELEASE = ${UNAME_RELEASE}
UNAME_SYSTEM   = ${UNAME_SYSTEM}
UNAME_VERSION  = ${UNAME_VERSION}
EOF
```

```
exit 1
```

```
# Local variables:
# eval: (add-hook 'write-file-hooks 'time-stamp)
# time-stamp-start: "timestamp="
```

```
# time-stamp-format: "%:y-%02m-%02d"
```

```
# time-stamp-end: ""
```

```
# End:
```

1.56 iperf 3.2

1.56.1 Available under license :

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 *
 *   @(#)queue.h   8.5 (Berkeley) 8/20/94
 */
```

=====

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*

*

* tcp_window_size.c
* by Mark Gates <mgates@nlanr.net>

*-----

* set/getsockopt

*----- */

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```
* http://www.ncsa.uiuc.edu
* _____
*
* stdio.c
* by Mark Gates <mgates@nlanr.net>
* and Ajay Tirumalla <tirumala@ncsa.uiuc.edu>
* -----
* input and output numbers, converting with kilo, mega, giga
* ----- */
```

=====

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1.57 libusb 1.0.9

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1.58 busybox 1.9.0

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jseward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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1.59 zlib 1.1.4

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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1.60 iproute 2.6.18

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```

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1.64 iputils s20070202

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1.66 ipmi-tool 1.8.9

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1.68 linux-kernel 2.6.38

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Hardware I2C

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

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

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

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Version 2, June 1991

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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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Ralph Metzler <rjkm@metzlerbros.de>
for their continuing work on the DVB driver

Michael Holz <kju@debian.org>
for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacompt.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)

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for patching the cable card decoder driver

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for various fixes regarding tuning, OSD and CI stuff and his work on VDR

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for the nxt2004 frontend driver

Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a

single nxt200x frontend driver.

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

1.69 acpid 2.0.22

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1.71 net-snmp 5.1.1

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1.72 sysv-init 2.78-4

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This is the Debian GNU/Linux prepackaged version of System V Init. Init was written by Miquel van Smoorenburg <miquels@drinkel.cistron.nl>.

This package was put together by Bruce Perens <Bruce@Pixar.com> from pre-distribution sources. Ian Murdock <imurdock@debian.org> integrated it into the base system maintained it until the end of 1995. Miquel van Smoorenburg <miquels@cistron.nl> has integrated debian support into the base package.

Changes:

29-January-1995 Bruce Perens <Bruce@Pixar.com>

Added Debian GNU/Linux package maintenance system files.

25-February-1995 Ian Murdock <imurdock@debian.org>

Finished integration of Sys V Init into the base system.

28-December-1995 Miquel van Smoorenburg <miquels@cistron.nl>

Added debian support to sysvinit.

For further changes see the ChangeLog file.

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<signature of Ty Coon>, 1 April 1990

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From gsf@research.att.com Wed Mar 1 20:30:54 2006

Return-Path: <gsf@research.att.com>

X-Original-To: mps@bridge.intra

Delivered-To: mps@bridge.intra

Received: from localhost (localhost [127.0.0.1])

by localhost (Postfix) with ESMTP id B8C814E4F

for <mps@bridge.intra>; Wed, 1 Mar 2006 20:30:53 +0100 (CET)

Received: from mail.bridge.intra ([127.0.0.1])

by localhost (lnx.bridge.intra [127.0.0.1]) (amavisd-new, port 10024)

with LMTP id 05987-03 for <mps@bridge.intra>;

Wed, 1 Mar 2006 20:30:42 +0100 (CET)

Received: from pop.gmx.net (localhost [127.0.0.1])

by mail.bridge.intra (Postfix) with ESMTP id C8C73794D

for <mps@bridge.intra>; Wed, 1 Mar 2006 20:30:38 +0100 (CET)

X-Flags: 0000

Delivered-To: GMX delivery to ps.m@gmx.net

Received: (qmail invoked by alias); 01 Mar 2006 19:23:46 -0000

Received: from mail-red.research.att.com (EHLO mail-white.research.att.com) [192.20.225.110]

by mx0.gmx.net (mx085) with SMTP; 01 Mar 2006 20:23:46 +0100

Received: from raptor.research.att.com (raptor.research.att.com [135.207.23.32])

by mail-blue.research.att.com (Postfix) with ESMTP id B7929147CBB

for <ps.m@gmx.net>; Wed, 1 Mar 2006 14:23:45 -0500 (EST)

Received: (from gsf@localhost)

by raptor.research.att.com (SGI-8.9.3p2/8.8.7) id OAA86112

for ps.m@gmx.net; Wed, 1 Mar 2006 14:23:45 -0500 (EST)

Date: Wed, 1 Mar 2006 14:23:45 -0500 (EST)

From: Glenn Fowler <gsf@research.att.com>

Message-Id: <200603011923.OAA86112@raptor.research.att.com>

Organization: AT&T Research

X-Mailer: mailx (AT&T/BSD) 9.9 2005-04-21

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

References: <Pine.LNX.4.44.0603012011250.6386-100000@lnx.bridge.intra>

To: mps@bridge.intra

Subject: Re: testregex licensing question

X-GMX-Antivirus: -1 (not scanned, may not use virus scanner)
X-GMX-Antispam: 0 (Mail was not recognized as spam)
X-GMX-UID: 1JF3ZO9DeSEkJ2TcbHQhaXN1IGRvb0Ca
X-Virus-Scanned: by amavisd-new at localhost
Status: RO
X-Status:
X-Keywords:
X-UID: 44736

you may include it directly
retain the testregex.c header comment
it uses a very free license to maximize distribution
you can copy that .c comment to any test data files you use
using # comment style to be complete

let me know how it works with your libc
also pass on any new tests you cook up

On Wed, 1 Mar 2006 20:15:02 +0100 (CET) Peter S. Mazinger wrote:

> Hello Glenn!

> I would want to add testregex.c and the related *.dat files to the uClibc
> testsuite. uClibc is licensed under LGPL v2.1. I haven't found any
> licensing related info on testregex.

> Is it allowed to use the code there, or should I accomodate the testsuite
> to download the needed files from the original site each time it is ran?

> Thanks, Peter

> --

> Peter S. Mazinger <ps dot m at gmx dot net> ID: 0xA5F059F2
> Key fingerprint = 92A4 31E1 56BC 3D5A 2D08 BB6E C389 975E A5F0 59F2
Licensed under the LGPL v2.1, see the file COPYING.LIB in this tarball.

1.74 gdb 6.6

1.74.1 Available under license :

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1.75 bind 9.8.0

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1.76 xfsprogs 2.8.16

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Written by: Philip Hazel
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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).
*/

[dialyzer]

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[edoc, syntax_tools]

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1.82 bash 2.05b

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1.83 pam 0.72

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1.84 tokyo-cabinet 1.4.48

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1.85 hostapd 0.5.7

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1.86 binutils 2.23.52

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Version 2, June 1991

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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some
specially designated Free Software Foundation software, and to any
other libraries whose authors decide to use it. You can use it for
your libraries, too.

When we speak of free software, we are referring to freedom, 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 or use pieces of it
in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the 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 a program 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.

Our method of protecting your rights has two steps: (1) copyright
the library, and (2) offer you this license which gives you legal
permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain

that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library 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.

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 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:

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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FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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.

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

Copyright (C) <year> <name of author>

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

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

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

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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.

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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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- 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.
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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.

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(This file is under construction.) -*- text -*-

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

+++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support

that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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1.87 ftpd-bsd 0.3.2

1.87.1 Available under license :

```
# $OpenBSD: Makefile,v 1.5 1999/02/23 23:54:16 art Exp $
```

```
PROG= ls
```

```
SRCS= cmp.c stat_flags.c ls.c main.c print.c util.c
```

```
.include <bsd.prog.mk>
```

```
##%PAM-1.0
```

```
auth    required /lib/security/pam_listfile.so item=user sense=deny file=/etc/ftpusers onerr=succeed
```

```
auth    required /lib/security/pam_pwdb.so shadow nullok
```

```
auth    required /lib/security/pam_shells.so
```

```
account required /lib/security/pam_pwdb.so
```

```
session required /lib/security/pam_pwdb.so
```

```
# $OpenBSD: Makefile,v 1.16 2000/03/01 17:27:28 deraadt Exp $
```

```
# $NetBSD: Makefile,v 1.13 1996/02/16 02:07:41 cgd Exp $
```

```
# @(#)Makefile 8.2 (Berkeley) 4/4/94
```

```
PROG= ftpd
```

```
CFLAGS+=-DHASSETPROCTITLE -Dunix
```

```
SRCS= ftpd.c ftpcmd.c logutmp.c logwtmp.c popen.c
```

```
MAN= ftpd.8
```

```
CLEANFILES+=ftpcmd.c y.tab.h
```

```
.include <bsd.own.mk>
```



```

# our internal version of ls.

LSDIR = ${.CURDIR}/../bin/ls
.PATH: ${LSDIR}
SRCS += ls.c cmp.c print.c stat_flags.c util.c
CFLAGS += -I${LSDIR}

# not really used
CPPFLAGS+=-DINET6

.if (${SKEY} == "yes")
CFLAGS+=-DSKEY
LDADD+= -lskey
DPADD+= ${LIBSKEY}
.endif

.if (${KERBEROS} == "yes")
SRCS+= klogin.c
.PATH: ${.CURDIR}/../usr.bin/login
CFLAGS+= -DKERBEROS
LDADD+= -lkafs -lkrb -ldes
DPADD+= ${LIBKRB} ${LIBKRB} ${LIBKAFS}
.endif

.if (${TCP_WRAPPERS} == "yes")
CFLAGS+=-DTCPWRAPPERS
LDADD+= -lwrap
DPADD+= ${LIBWRAP}
.endif

.include <bsd.prog.mk>
  A WARNING ABOUT GMT VS LOCALTIME
  to people using ftpd-BSD-0.3.0 to serve anonymous FTP
  who consider moving to ftpd-BSD-0.3.1

  David A. Madore <david.madore@ens.fr>

```

(This warning should be included in the ftpd-BSD-0.3.1 distribution, but I discovered this after packaging, and I did not want to repackage, resign the tarball, rebuild the RPMs and resign them. So it will stay as a separate file.)

The FTP protocol is a bit old and does not specify in what format the file listings returned by the LIST and STAT commands are to be given. Traditionally, the Unix ``ls" program is run, so it has become the *de facto* standard for the commands' output format; many programs

expect this and parse accordingly.

One thing is certainly not specified, and that is whether the time of last modification returned for the files listed is given in local time (the time in the server's time zone) or universal time (UT, aka Greenwich Mean Time or GMT).

Under Linux, the time format returned by the `ctime()` function in the (GNU) `libc` is determined by the contents of the `/etc/localtime` file which can be overridden by the `TZ` environment variable if it exists; if nothing is specified (e.g. if the `/etc/localtime` file does not exist), universal time is used (as is the case if `TZ=GMT`).

Version 0.3.0 of `ftpd-BSD` used an external `ls` program. In the case of anonymous `ftp`, this `ls` runs in a `chroot()`ed environment, and it frequently does not have an `/etc/localtime` file on which to rely, so it returns the time in GMT. Version 0.3.1, on the other hand, uses an internal `ls` function, so its time zone is initialized when the `ftpd` program is run, before the `chroot()` call is made, and the time zone used is typically the computer's local time. This means that simply moving from `ftpd-BSD-0.3.0` to `ftpd-BSD-0.3.1` without further precaution will offset all the last modification times returned by the `LIST` and `STAT` commands. If you live east of Greenwich, this could result in mirror sites needlessly downloading all files, thinking they have changed; if you live west of Greenwich, this could result in mirror sites not downloading files which they should have.

This may very well turn out to be a non-issue. I am not sure exactly how mirroring programs work. If you do not have any mirror sites, or if you use only non-anonymous FTP, the issue is moot.

One workaround is to start `ftpd` with `TZ=GMT` set. This generally means starting `inetd` with `TZ=GMT`. Beware, though, that environments tend to be inherited quite far, and even `telnetd` will have `TZ=GMT` and if you `telnet` into your machine you might have universal time instead of local time as you expect (but you can always `unset TZ` or position it as you like, e.g. `TZ=US/Eastern`). Another solution is not to use the internal `ls` command (in which case you might as well stick to version 0.3.0). Finally, you can decide to stick to local time, but I do not recommend this as the clients have no way of knowing the server's time zone (personally I think local time is good only when talking to humans, and everything else should always use universal time: this is the strategy taken by the HTTP protocol for example).

I would appreciate it if FTP experts could tell me more about this problem. I have read about Bernstein's easily parsed `LIST` format (see <http://cr.yip.to/ftp/list/eplf.html> for a description), and I wonder whether it is worth implementing (in particular, whether some clients

understand it): I might try contacting the OpenBSD people about this.

--

David A. Madore
(david.madore@ens.fr,
<http://www.eleves.ens.fr:8080/home/madore/>)

1.88 zlib 1.2.7

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1.89 zlib 1.1.3

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*/

Found in path(s):

```
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/GZIPException.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/GZIPOutputStream.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/ZInputStream.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/Deflater.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/InfBlocks.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-
jar/com/jcraft/jzlib/DeflaterOutputStream.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/Inflater.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/JZlib.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/GZIPInputStream.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/CRC32.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/GZIPHeader.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/InflaterInputStream.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/Checksum.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/ZOutputStream.java
```

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*/

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```
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* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/ZStream.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/Adler32.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/Deflate.java
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```

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```
*/
```

Found in path(s):

```
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/StaticTree.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/ZStreamException.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/InfTree.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/Tree.java
* /opt/cola/permits/1000011954_1651084626.73/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/InfCodes.java
```

1.90 libxml2 2.9.2

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1.94 kexec-tools 2.0.14

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```

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rpc.statd -- Network Status Monitor (NSM) protocol daemon for Linux.

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```

```
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Ty Coon, President of Vice
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1.97 xmlrpc-c 1.06.38

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1.100 python 2.7.6

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A. HISTORY OF THE SOFTWARE

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

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

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

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

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

2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	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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1.101 ncurses 5.9

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1.102 crash 7.1.9

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```

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(at your option) any later version.
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```
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```

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Version 3, 29 June 2007

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gfdl(7), fsf-funding(7).

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state the exclusion of warranty; and each file should have at least the ``copyright" line and a pointer to where the full notice is found.

```
@smallexample
```

```
@var{one line to give the program's name and a brief idea of what it does.}
```

```
Copyright (C) @var{year} @var{name of author}
```

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```
@end smallexample
```

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

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

```
@smallexample
```

```
@var{program} Copyright (C) @var{year} @var{name of author}
```

```
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
```

```
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```

```
@end smallexample
```

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@c man end

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Version 2, June 1991

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

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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, whereas the latter must be combined with the library in order to run.

@iftex

@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@end iftex

@ifinfo

@center GNU LESSER GENERAL PUBLIC LICENSE

@center TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@end ifinfo

@enumerate 0

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@end enumerate

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@item

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.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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@item

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@item

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@item

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

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@item

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@item

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@end enumerate

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@end enumerate

@iftex

@heading END OF TERMS AND CONDITIONS

@end iftex

@ifinfo

@center END OF TERMS AND CONDITIONS

@end ifinfo

@page

@appendixsubsec 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.

```
@smallexample
@var{one line to give the library's name and an idea of what it does.}
Copyright (C) @var{year} @var{name of author}
```

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```
@end smallexample
```

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

```
@smallexample
Yoyodyne, Inc., hereby disclaims all copyright interest in the library
`Frob' (a library for tweaking knobs) written by James Random Hacker.
```

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

```
Ty Coon, President of Vice
```

```
@end smallexample
```

That's all there is to it!

1.103 iputils s20070202

1.103.1 Available under license :

```
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 * Copyright (c) 1983, 1993
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 *
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 * modification, are permitted provided that the following conditions
 * are met:
```

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1.104 libvmtools 10.1.5.6677369

1.104.1 Available under license :

LICENSE

open-vm-tools v10.1.15

The Linux kernel modules are released under the GPL v2, a majority of the user level components are released under the LGPL v2.1, and the SVGA and mouse drivers are released under the X11 license.

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Version 2, June 1991

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>>> freebsd-base64-4.8

base64.c -- routines to encode/decode base64 data

\$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp \$ /

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>>> unicode-5.0

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1.106 dosfs-tools 2.11

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1.109 zlib 1.2.3

1.109.1 Available under license :

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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