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```

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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## 1.2 bootenv 0.0.1

### 1.2.1 Available under license :

The bootenv utility is placed under the GPL by means of the e-mail exchange between myself and the original author shown below.

```
-- John W. Linville
   LVL7 Systems, Inc.
   04/22/2003
```

```
-----
From - Tue Apr 22 15:12:58 2003
X-Mozilla-Status: 0001
X-Mozilla-Status2: 00000000
Received: from nobody.lpr.e-technik.tu-muenchen.de ([129.187.151.1]) by lv17ser4.lv17.com with SMTP (Microsoft Exchange Internet Mail Service Version 5.5.2650.21)
id 20WHF7CF; Sat, 19 Apr 2003 10:57:27 -0400
```

Received: from metrowerks.com (ernie.lpr.e-technik.tu-muenchen.de [129.187.151.192])  
by nobody.lpr.e-technik.tu-muenchen.de (8.11.6/8.11.6) with ESMTP id h3JErII07056  
for <linville@lv17.com>; Sat, 19 Apr 2003 16:53:47 +0200  
Message-ID: <3EA162E8.9030201@metrowerks.com>  
Date: Sat, 19 Apr 2003 16:53:28 +0200  
From: Bernhard Kuhn <bkuhn@metrowerks.com>  
X-Accept-Language: en-us, en  
MIME-Version: 1.0  
To: "John W. Linville" <linville@lv17.com>  
Subject: Re: bootenv binary  
References: <3EA0785D.7050603@lv17.com>  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

John W. Linville wrote:

> Is the bootenv binary covered by the GPL?

Yes, i will add a license file by time :-)

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```
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```
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```
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<signature of Ty Coon>, 1 April 1989  
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## 1.8 Dropbear 0.51

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=====

sshpty.c is taken from OpenSSH 3.5p1,  
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software must be clearly marked as such, and if the derived work is  
incompatible with the protocol description in the RFC file, it must be  
called by a name other than "ssh" or "Secure Shell". "

=====

loginrec.c  
loginrec.h  
atomicio.h  
atomicio.c  
and strlcat() (included in util.c) are from OpenSSH 3.6.1p2, and are licensed  
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loginrec is written primarily by Andre Lucas, atomicio.c by Theo de Raadt.

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=====

Import code in keyimport.c is modified from PuTTY's import.c, licensed as  
follows:

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## 1.9 fakeroot 1.7.1

### 1.9.1 Available under license :

I suppose 'libtricks' will take the quest of finding border-cases for the GPL yet one more (small) step forward. Does every dynamically linked executable fall under the GPL once someone said ``LD_PRELOAD=libtricks.so.0.0 executable'`? That seems to be a rather strange interpretation of the GPL.

The way I (as author of libtricks) see it:

- you're free to link any program with this library and run it.
- Only when you give away or sell copies of a program that is `_set up_` to use this library (or needs it), that program will be considered a `work based on the library`", and thus fall under GPL.

I've considered using LGPL, but I decided against that because

- I still don't quite understand it's terms.
- I actually don't want a program that really needs this library to be distributed with any other licence than (L)GPL.

joost witteveen.

For the tekst of the GPL, see `/usr/doc/copyright/GPL` of any debian system.

## 1.10 gcc 4.2.1

### 1.10.1 Available under license :

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Version 2, June 1991

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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.)

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## 1.15 libghthash 0.5.5

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## 1.18 lzma 4.57

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LZMA SDK 4.57

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LZMA is default and general compression method of 7z format in 7-Zip compression program ([www.7-zip.org](http://www.7-zip.org)). LZMA provides high compression ratio and very fast decompression.

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

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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.

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## 1.20 Minihttpd 1.19

### 1.20.1 Available under license :

```
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*/
```

## 1.21 mpfr 2.3.0

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45. [49]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
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47. [51]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
48. [52]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
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Read the INSTALL file for generic instructions on how to install strace. If configure cannot guess your system configuration, you can specify it on the command line after the other options like this:

```
./configure --prefix=/usr i486-linux
```

A single sunos4.1 binary should work on all the sun4, sun4c and sun4m kernel architectures. Let me know if sun4d doesn't work. Other i486-\*-sysv4 systems may work with little or no tweaking.

See the file NEWS for information on what has changed in recent versions.

See the file PORTING if you like strace but it doesn't work on an operating system you use frequently.

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You can get the latest version of strace from its homepage at <http://www.liacs.nl/~wichert/strace/> .

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```
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```

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```
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```

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dnl

dnl This file contains macros used in configure.ac.

dnl automake uses this file to generate aclocal.m4, which is used by autoconf.

dnl

dnl ### A macro to find the include directory, useful for cross-compiling.

AC\_DEFUN([AC\_INCLUDEDIR],

[AC\_REQUIRE([AC\_PROG\_AWK])dnl

AC\_SUBST(includedir)

AC\_MSG\_CHECKING(for primary include directory)

includedir=/usr/include

if test -n "\$GCC"

then

>conftest.c

new\_includedir='

\$CC -v -E conftest.c 2>&1 | \$AWK '

/^End of search list/ { print last; exit }

{ last = [\$]1 }

,

,

rm -f conftest.c

if test -n "\$new\_includedir" && test -d "\$new\_includedir"

then

includedir=\$new\_includedir

fi

fi

```
AC_MSG_RESULT($includedir)
```

```
)
```

```
dnl ### A macro to set gcc warning flags.
```

```
define(AC_WARNFLAGS,
```

```
[AC_SUBST(WARNFLAGS)
```

```
if test -z "$WARNFLAGS"
```

```
then
```

```
if test -n "$GCC"
```

```
then
```

```
# If we're using gcc we want warning flags.
```

```
WARNFLAGS=-Wall
```

```
fi
```

```
fi
```

```
)
```

```
dnl ### A macro to determine if we have a "MP" type procfs
```

```
AC_DEFUN([AC_MP_PROCFS],
```

```
[AC_MSG_CHECKING(for MP procfs)
```

```
AC_CACHE_VAL(ac_cv_mp_procfs,
```

```
[AC_RUN_IFELSE([AC_LANG_SOURCE([[
```

```
#include <stdio.h>
```

```
#include <signal.h>
```

```
#include <sys/procfs.h>
```

```
main()
```

```
{
```

```
int pid;
```

```
char proc[32];
```

```
FILE *ctl;
```

```
FILE *status;
```

```
int cmd;
```

```
struct pstatus pstatus;
```

```
if ((pid = fork()) == 0) {
```

```
pause();
```

```
exit(0);
```

```
}
```

```
sprintf(proc, "/proc/%d/ctl", pid);
```

```
if ((ctl = fopen(proc, "w")) == NULL)
```

```
goto fail;
```

```
sprintf(proc, "/proc/%d/status", pid);
```

```
if ((status = fopen (proc, "r")) == NULL)
```

```
goto fail;
```

```
cmd = PCSTOP;
```

```
if (write (fileno (ctl), &cmd, sizeof cmd) < 0)
```

```
goto fail;
```

```
if (read (fileno (status), &pstatus, sizeof pstatus) < 0)
```

```

    goto fail;
    kill(pid, SIGKILL);
    exit(0);
fail:
    kill(pid, SIGKILL);
    exit(1);
}
]]],[ac_cv_mp_procfs=yes],[ac_cv_mp_procfs=no],[
# Guess or punt.
case "$host_os" in
svr4.2*|svr5*)
    ac_cv_mp_procfs=yes
    ;;
*)
    ac_cv_mp_procfs=no
    ;;
esac
)])
AC_MSG_RESULT($ac_cv_mp_procfs)
if test "$ac_cv_mp_procfs" = yes
then
    AC_DEFINE([HAVE_MP_PROCFS], 1,
[Define if you have a SVR4 MP type procfs.
I.E. /dev/xxx/ctl, /dev/xxx/status.
Also implies that you have the pr_lwp member in prstatus.])
fi
)

```

dnl ### A macro to determine if procfs is pollable.

```

AC_DEFUN([AC_POLLABLE_PROCFS],
[AC_MSG_CHECKING(for pollable procfs)
AC_CACHE_VAL(ac_cv_pollable_procfs,
[AC_RUN_IFELSE([AC_LANG_SOURCE([
#include <stdio.h>
#include <signal.h>
#include <sys/procfs.h>
#include <sys/stropts.h>
#include <poll.h>

```

```

#ifdef HAVE_MP_PROCFS
#define PIOCSTOP PCSTOP
#define POLLWANT POLLWRNORM
#define PROC "/proc/%d/ctl"
#define PROC_MODE "w"
int IOCTL (int fd, int cmd, int arg) {
    return write (fd, &cmd, sizeof cmd);
}
#else

```

```

#define POLLWANT POLLPRI
#define PROC "/proc/%d"
#define PROC_MODE "r+"
#define IOCTL ioctl
#endif

main()
{
    int pid;
    char proc[32];
    FILE *pfp;
    struct pollfd pfd;

    if ((pid = fork()) == 0) {
        pause();
        exit(0);
    }
    sprintf(proc, PROC, pid);
    if ((pfp = fopen(proc, PROC_MODE)) == NULL)
        goto fail;
    if (IOCTL(fileno(pfp), PIOCSTOP, NULL) < 0)
        goto fail;
    pfd.fd = fileno(pfp);
    pfd.events = POLLWANT;
    if (poll(&pfd, 1, 0) < 0)
        goto fail;
    if (!(pfd.revents & POLLWANT))
        goto fail;
    kill(pid, SIGKILL);
    exit(0);
fail:
    kill(pid, SIGKILL);
    exit(1);
}
)],[ac_cv_pollable_procfs=yes],[ac_cv_pollable_procfs=no],[
# Guess or punt.
case "$host_os" in
solaris2*|irix5*|svr4.2uw*|svr5*)
    ac_cv_pollable_procfs=yes
    ;;
*)
    ac_cv_pollable_procfs=no
    ;;
esac
)])
AC_MSG_RESULT($ac_cv_pollable_procfs)
if test "$ac_cv_pollable_procfs" = yes
then

```

```

AC_DEFINE([HAVE_POLLABLE_PROCFS], 1,
[Define if you have SVR4 and the poll system call works on /proc files.])
fi
)

dnl ### A macro to determine if the prstatus structure has a pr_syscall member.
AC_DEFUN([AC_STRUCT_PR_SYSCALL],
[AC_MSG_CHECKING(for pr_syscall in struct prstatus)
AC_CACHE_VAL(ac_cv_struct_pr_syscall,
[AC_COMPILE_IFELSE([AC_LANG_PROGRAM([[#include <sys/procfs.h>]], [[#ifdef HAVE_MP_PROCFS
prstatus_t s;
s.pr_lwp.pr_syscall
#else
prstatus_t s;
s.pr_syscall
#endif]]),[ac_cv_struct_pr_syscall=yes],[ac_cv_struct_pr_syscall=no]])]
AC_MSG_RESULT($ac_cv_struct_pr_syscall)
if test "$ac_cv_struct_pr_syscall" = yes
then
AC_DEFINE([HAVE_PR_SYSCALL], 1,
[Define if the prstatus structure in sys/procfs.h has a pr_syscall member.])
fi
)

dnl ### A macro to determine whether stat64 is defined.
AC_DEFUN([AC_STAT64],
[AC_MSG_CHECKING(for stat64 in (asm|sys)/stat.h)
AC_CACHE_VAL(ac_cv_type_stat64,
[AC_COMPILE_IFELSE([AC_LANG_PROGRAM([[#ifdef LINUX
#include <linux/types.h>
#include <asm/stat.h>
#else
#include <sys/stat.h>
#endif]]), [[struct stat64 st;]]),[ac_cv_type_stat64=yes],[ac_cv_type_stat64=no]])]
AC_MSG_RESULT($ac_cv_type_stat64)
if test "$ac_cv_type_stat64" = yes
then
AC_DEFINE([HAVE_STAT64], 1,
[Define if stat64 is available in asm/stat.h.])
fi
)

dnl ### A macro to determine if off_t is a long long
AC_DEFUN([AC_OFF_T_IS_LONG_LONG],
[AC_MSG_CHECKING(for long long off_t)
AC_CACHE_VAL(ac_cv_have_long_long_off_t,
[AC_RUN_IFELSE([AC_LANG_SOURCE([[#include <sys/types.h>
main () {

```



```

if (sizeof (off_t) == sizeof (long long) &&
    sizeof (off_t) > sizeof (long))
    return 0;
return 1;
}
]]],[ac_cv_have_long_long_off_t=yes],[ac_cv_have_long_long_off_t=no],[# Should try to guess here
ac_cv_have_long_long_off_t=no
]))
AC_MSG_RESULT($ac_cv_have_long_long_off_t)
if test "$ac_cv_have_long_long_off_t" = yes
then
    AC_DEFINE([HAVE_LONG_LONG_OFF_T], 1, [Define if off_t is a long long.])
fi
])

dnl ### A macro to determine if rlim_t is a long long
AC_DEFUN([AC_RLIM_T_IS_LONG_LONG],
[AC_MSG_CHECKING(for long long rlim_t)
AC_CACHE_VAL(ac_cv_have_long_long_rlim_t,
[AC_RUN_IFELSE([AC_LANG_SOURCE([[#include <sys/types.h>
#include <sys/time.h>
#include <sys/resource.h>
main () {
    if (sizeof (rlim_t) == sizeof (long long) &&
        sizeof (rlim_t) > sizeof (long))
        return 0;
    return 1;
}
]]],[ac_cv_have_long_long_rlim_t=yes],[ac_cv_have_long_long_rlim_t=no],[# Should try to guess here
ac_cv_have_long_long_rlim_t=no
]))
AC_MSG_RESULT($ac_cv_have_long_long_rlim_t)
if test "$ac_cv_have_long_long_rlim_t" = yes
then
    AC_DEFINE([HAVE_LONG_LONG_RLIM_T], 1, [Define if rlim_t is a long long.])
fi
])

dnl ### A macro to determine endianness of long long
AC_DEFUN([AC_LITTLE_ENDIAN_LONG_LONG],
[AC_MSG_CHECKING(for little endian long long)
AC_CACHE_VAL(ac_cv_have_little_endian_long_long,
[AC_RUN_IFELSE([AC_LANG_SOURCE([[
int main () {
    union {
        long long ll;
        long l [2];
    } u;

```

```

u.l = 0x12345678;
if (u.l[0] == 0x12345678)
    return 0;
return 1;
}
]]],[ac_cv_have_little_endian_long_long=yes],[ac_cv_have_little_endian_long_long=no],[# Should try to guess
here
ac_cv_have_little_endian_long_long=no
)])
AC_MSG_RESULT($ac_cv_have_little_endian_long_long)
if test "$ac_cv_have_little_endian_long_long" = yes
then
    AC_DEFINE([HAVE_LITTLE_ENDIAN_LONG_LONG], 1,
[Define if long long is little-endian.])
fi
])

# Like AC_CONFIG_HEADER, but automatically create stamp file. -*- Autoconf -*-

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AC_PREREQ([2.52])

# serial 6

# AM_CONFIG_HEADER is obsolete. It has been replaced by AC_CONFIG_HEADERS.
AU_DEFUN([AM_CONFIG_HEADER], [AC_CONFIG_HEADERS($@)])

# Do all the work for Automake.                                -*- Autoconf -*-

# This macro actually does too much some checks are only needed if
# your package does certain things. But this isn't really a big deal.

```

```

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# serial 10

AC_PREREQ([2.54])

# Autoconf 2.50 wants to disallow AM_ names. We explicitly allow
# the ones we care about.
m4_pattern_allow([^AM_[A-Z]+FLAGS$])dnl

# AM_INIT_AUTOMAKE(PACKAGE, VERSION, [NO-DEFINE])
# AM_INIT_AUTOMAKE([OPTIONS])
# -----
# The call with PACKAGE and VERSION arguments is the old style
# call (pre autoconf-2.50), which is being phased out. PACKAGE
# and VERSION should now be passed to AC_INIT and removed from
# the call to AM_INIT_AUTOMAKE.
# We support both call styles for the transition. After
# the next Automake release, Autoconf can make the AC_INIT
# arguments mandatory, and then we can depend on a new Autoconf
# release and drop the old call support.
AC_DEFUN([AM_INIT_AUTOMAKE],
[AC_REQUIRE([AM_SET_CURRENT_AUTOMAKE_VERSION])dnl
AC_REQUIRE([AC_PROG_INSTALL])dnl
# test to see if srcdir already configured
if test "cd $srcdir && pwd" != "pwd" &&
  test -f $srcdir/config.status; then
  AC_MSG_ERROR([source directory already configured; run "make distclean" there first])
fi

# test whether we have cygpath
if test -z "$CYGPATH_W"; then

```

```

if (cygpath --version) >/dev/null 2>/dev/null; then
  CYGPATH_W='cygpath -w'
else
  CYGPATH_W=echo
fi
fi
AC_SUBST([CYGPATH_W])

# Define the identity of the package.
dnl Distinguish between old-style and new-style calls.
m4_ifval([$2],
[
m4_ifval([$3], [_AM_SET_OPTION([no-define]))dnl
AC_SUBST([PACKAGE], [$1])dnl
AC_SUBST([VERSION], [$2]),
[_AM_SET_OPTIONS([$1])dnl
AC_SUBST([PACKAGE], ['AC_PACKAGE_TARNAME'])dnl
AC_SUBST([VERSION], ['AC_PACKAGE_VERSION'])dnl

_AM_IF_OPTION([no-define],,
[AC_DEFINE_UNQUOTED(PACKAGE, "$PACKAGE", [Name of package])
AC_DEFINE_UNQUOTED(VERSION, "$VERSION", [Version number of package])])dnl

# Some tools Automake needs.
AC_REQUIRE([AM_SANITY_CHECK])dnl
AC_REQUIRE([AC_ARG_PROGRAM])dnl
AM_MISSING_PROG(ACLOCAL, aclocal-${am__api_version})
AM_MISSING_PROG(AUTOCONF, autoconf)
AM_MISSING_PROG(AUTOMAKE, automake-${am__api_version})
AM_MISSING_PROG(AUTOHEADER, autoheader)
AM_MISSING_PROG(MAKEINFO, makeinfo)
AM_MISSING_PROG(AMTAR, tar)
AM_PROG_INSTALL_SH
AM_PROG_INSTALL_STRIP

# We need awk for the "check" target. The system "awk" is bad on
# some platforms.
AC_REQUIRE([AC_PROG_AWK])dnl
AC_REQUIRE([AC_PROG_MAKE_SET])dnl
AC_REQUIRE([AM_SET_LEADING_DOT])dnl

_AM_IF_OPTION([no-dependencies],,
[AC_PROVIDE_IFELSE([AC_PROG_CC],
  [_AM_DEPENDENCIES(CC)],
  [define([AC_PROG_CC],
      defn([AC_PROG_CC])[_AM_DEPENDENCIES(CC)])])dnl
AC_PROVIDE_IFELSE([AC_PROG_CXX],
  [_AM_DEPENDENCIES(CXX)],
  [define([AC_PROG_CXX],
      defn([AC_PROG_CXX])[_AM_DEPENDENCIES(CXX)])])dnl

```

)  
)

# When config.status generates a header, we must update the stamp-h file.  
# This file resides in the same directory as the config header  
# that is generated. The stamp files are numbered to have different names.

# Autoconf calls \_AC\_AM\_CONFIG\_HEADER\_HOOK (when defined) in the  
# loop where config.status creates the headers, so we can generate  
# our stamp files there.

AC\_DEFUN([\_AC\_AM\_CONFIG\_HEADER\_HOOK],

[# Compute \$1's index in \$config\_headers.

\_am\_stamp\_count=1

for \_am\_header in \$config\_headers ;; do

case \$\_am\_header in

\$1 | \$1:\* )

break ;;

\*)

\_am\_stamp\_count='expr \$\_am\_stamp\_count + 1' ;;

esac

done

echo "timestamp for \$1" >'AS\_DIRNAME([\$1])/stamp-h[\$\_am\_stamp\_count])

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# AM\_AUTOMAKE\_VERSION(VERSION)

# -----

# Automake X.Y traces this macro to ensure aclocal.m4 has been  
# generated from the m4 files accompanying Automake X.Y.

AC\_DEFUN([AM\_AUTOMAKE\_VERSION],[am\_\_api\_version="1.7"])

# AM\_SET\_CURRENT\_AUTOMAKE\_VERSION

# -----

```

# Call AM_AUTOMAKE_VERSION so it can be traced.
# This function is AC_REQUIRED by AC_INIT_AUTOMAKE.
AC_DEFUN([AM_SET_CURRENT_AUTOMAKE_VERSION],
  [AM_AUTOMAKE_VERSION([1.7.8])])

# Helper functions for option handling.          -*- Autoconf -*-

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# serial 2

# _AM_MANGLE_OPTION(NAME)
# -----
AC_DEFUN([_AM_MANGLE_OPTION],
  [[_AM_OPTION_]m4_bpatsubst($1, [[^a-zA-Z0-9_]], [_])])

# _AM_SET_OPTION(NAME)
# -----
# Set option NAME. Presently that only means defining a flag for this option.
AC_DEFUN([_AM_SET_OPTION],
  [m4_define(_AM_MANGLE_OPTION([$1]), 1)])

# _AM_SET_OPTIONS(OPTIONS)
# -----
# OPTIONS is a space-separated list of Automake options.
AC_DEFUN([_AM_SET_OPTIONS],
  [AC_FOREACH([_AM_Option], [$1], [_AM_SET_OPTION(_AM_Option)])])

# _AM_IF_OPTION(OPTION, IF-SET, [IF-NOT-SET])
# -----
# Execute IF-SET if OPTION is set, IF-NOT-SET otherwise.
AC_DEFUN([_AM_IF_OPTION],
  [m4_ifset(_AM_MANGLE_OPTION([$1]), [$2], [$3])])

```

```

#
# Check to make sure that the build environment is sane.
#

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# serial 3

# AM_SANITY_CHECK
# -----
AC_DEFUN([AM_SANITY_CHECK],
[AC_MSG_CHECKING([whether build environment is sane])
# Just in case
sleep 1
echo timestamp > conftest.file
# Do 'set' in a subshell so we don't clobber the current shell's
# arguments. Must try -L first in case configure is actually a
# symlink; some systems play weird games with the mod time of symlinks
# (eg FreeBSD returns the mod time of the symlink's containing
# directory).
if (
set X 'ls -Lt $srcdir/configure conftest.file 2> /dev/null'
if test "$[*]" = "X"; then
# -L didn't work.
set X 'ls -t $srcdir/configure conftest.file'
fi
rm -f conftest.file
if test "$[*]" != "X $srcdir/configure conftest.file" \
&& test "$[*]" != "X conftest.file $srcdir/configure"; then

# If neither matched, then we have a broken ls. This can happen
# if, for instance, CONFIG_SHELL is bash and it inherits a

```

```

# broken ls alias from the environment. This has actually
# happened. Such a system could not be considered "sane".
AC_MSG_ERROR([ls -t appears to fail. Make sure there is not a broken
alias in your environment])
fi

test "$[2]" = conftest.file
)
then
# Ok.
:
else
AC_MSG_ERROR([newly created file is older than distributed files!
Check your system clock])
fi
AC_MSG_RESULT(yes))

# -*- Autoconf -*-

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# serial 3

# AM_MISSING_PROG(NAME, PROGRAM)
# -----
AC_DEFUN([AM_MISSING_PROG],
[AC_REQUIRE([AM_MISSING_HAS_RUN])
$1=${$1-"${am_missing_run}$2"}
AC_SUBST($1)])

# AM_MISSING_HAS_RUN

```



```

# -----
# Define MISSING if not defined so far and test if it supports --run.
# If it does, set am_missing_run to use it, otherwise, to nothing.
AC_DEFUN([AM_MISSING_HAS_RUN],
[AC_REQUIRE([AM_AUX_DIR_EXPAND])dnl
test x"${MISSING+set}" = xset || MISSING="\${SHELL} $am_aux_dir/missing"
# Use eval to expand $SHELL
if eval "$MISSING --run true"; then
  am_missing_run="$MISSING --run "
else
  am_missing_run=
  AC_MSG_WARN(['missing' script is too old or missing])
fi
])

# AM_AUX_DIR_EXPAND

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# For projects using AC_CONFIG_AUX_DIR([foo]), Autoconf sets
# $ac_aux_dir to '$srcdir/foo'. In other projects, it is set to
# '$srcdir', '$srcdir/..', or '$srcdir/../..'.
#
# Of course, Automake must honor this variable whenever it calls a
# tool from the auxiliary directory. The problem is that $srcdir (and
# therefore $ac_aux_dir as well) can be either absolute or relative,
# depending on how configure is run. This is pretty annoying, since
# it makes $ac_aux_dir quite unusable in subdirectories: in the top
# source directory, any form will work fine, but in subdirectories a
# relative path needs to be adjusted first.
#
# $ac_aux_dir/missing
#
# fails when called from a subdirectory if $ac_aux_dir is relative

```

```

# $top_srcdir/$ac_aux_dir/missing
# fails if $ac_aux_dir is absolute,
# fails when called from a subdirectory in a VPATH build with
# a relative $ac_aux_dir
#
# The reason of the latter failure is that $top_srcdir and $ac_aux_dir
# are both prefixed by $srcdir. In an in-source build this is usually
# harmless because $srcdir is '.', but things will broke when you
# start a VPATH build or use an absolute $srcdir.
#
# So we could use something similar to $top_srcdir/$ac_aux_dir/missing,
# iff we strip the leading $srcdir from $ac_aux_dir. That would be:
# am_aux_dir="\$(top_srcdir)/"expr "$ac_aux_dir" : "$srcdir/*\(.*)"""
# and then we would define $MISSING as
# MISSING="\${SHELL} $am_aux_dir/missing"
# This will work as long as MISSING is not called from configure, because
# unfortunately $(top_srcdir) has no meaning in configure.
# However there are other variables, like CC, which are often used in
# configure, and could therefore not use this "fixed" $ac_aux_dir.
#
# Another solution, used here, is to always expand $ac_aux_dir to an
# absolute PATH. The drawback is that using absolute paths prevent a
# configured tree to be moved without reconfiguration.

# Rely on autoconf to set up CDPATH properly.
AC_PREREQ([2.50])

AC_DEFUN([AM_AUX_DIR_EXPAND], [
# expand $ac_aux_dir to an absolute path
am_aux_dir='cd $ac_aux_dir && pwd'
])

# AM_PROG_INSTALL_SH
# -----
# Define $install_sh.

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```

```

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AC_DEFUN([AM_PROG_INSTALL_SH],
[AC_REQUIRE([AM_AUX_DIR_EXPAND])dnl
install_sh=${install_sh-"$am_aux_dir/install-sh"}
AC_SUBST(install_sh)])

# AM_PROG_INSTALL_STRIP

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# One issue with vendor 'install' (even GNU) is that you can't
# specify the program used to strip binaries. This is especially
# annoying in cross-compiling environments, where the build's strip
# is unlikely to handle the host's binaries.
# Fortunately install-sh will honor a STRIPPROG variable, so we
# always use install-sh in 'make install-strip', and initialize
# STRIPPROG with the value of the STRIP variable (set by the user).
AC_DEFUN([AM_PROG_INSTALL_STRIP],
[AC_REQUIRE([AM_PROG_INSTALL_SH])dnl
# Installed binaries are usually stripped using 'strip' when the user
# run 'make install-strip'. However 'strip' might not be the right
# tool to use in cross-compilation environments, therefore Automake
# will honor the 'STRIP' environment variable to overrule this program.
dnl Don't test for $cross_compiling = yes, because it might be 'maybe'.
if test "$cross_compiling" != no; then
  AC_CHECK_TOOL([STRIP], [strip], :)
fi
INSTALL_STRIP_PROGRAM="\${SHELL} \$(install_sh) -c -s"
AC_SUBST([INSTALL_STRIP_PROGRAM])])

```

```

#                                     -*- Autoconf -*-
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# serial 1

# Check whether the underlying file-system supports filenames
# with a leading dot. For instance MS-DOS doesn't.
AC_DEFUN([AM_SET_LEADING_DOT],
[rm -rf .tst 2>/dev/null
mkdir .tst 2>/dev/null
if test -d .tst; then
  am__leading_dot=.
else
  am__leading_dot=_
fi
rmdir .tst 2>/dev/null
AC_SUBST([am__leading_dot])])

# serial 5      -*- Autoconf -*-

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```

```
# There are a few dirty hacks below to avoid letting 'AC_PROG_CC' be
# written in clear, in which case automake, when reading aclocal.m4,
# will think it sees a *use*, and therefore will trigger all it's
# C support machinery. Also note that it means that autoscan, seeing
# CC etc. in the Makefile, will ask for an AC_PROG_CC use...
```

```
# _AM_DEPENDENCIES(NAME)
# -----
# See how the compiler implements dependency checking.
# NAME is "CC", "CXX", "GCJ", or "OBJC".
# We try a few techniques and use that to set a single cache variable.
#
# We don't AC_REQUIRE the corresponding AC_PROG_CC since the latter was
# modified to invoke _AM_DEPENDENCIES(CC); we would have a circular
# dependency, and given that the user is not expected to run this macro,
# just rely on AC_PROG_CC.
AC_DEFUN([_AM_DEPENDENCIES],
[AC_REQUIRE([AM_SET_DEPDIR])dnl
AC_REQUIRE([AM_OUTPUT_DEPENDENCY_COMMANDS])dnl
AC_REQUIRE([AM_MAKE_INCLUDE])dnl
AC_REQUIRE([AM_DEP_TRACK])dnl

ifelse([$1], CC, [depcc="$CC" am_compiler_list=],
      [$1], CXX, [depcc="$CXX" am_compiler_list=],
      [$1], OBJC, [depcc="$OBJC" am_compiler_list='gcc3 gcc'],
      [$1], GCJ, [depcc="$GCJ" am_compiler_list='gcc3 gcc'],
      [depcc="$1" am_compiler_list=])

AC_CACHE_CHECK([dependency style of $depcc],
  [am_cv_$1_dependencies_compiler_type],
[if test -z "$AMDEP_TRUE" && test -f "$am_depcomp"; then
  # We make a subdir and do the tests there. Otherwise we can end up
  # making bogus files that we don't know about and never remove. For
  # instance it was reported that on HP-UX the gcc test will end up
  # making a dummy file named 'D' -- because '-MD' means 'put the output
  # in D'.
  mkdir conftest.dir
  # Copy depcomp to subdir because otherwise we won't find it if we're
  # using a relative directory.
  cp "$am_depcomp" conftest.dir
```

```

cd conftest.dir
# We will build objects and dependencies in a subdirectory because
# it helps to detect inapplicable dependency modes. For instance
# both Tru64's cc and ICC support -MD to output dependencies as a
# side effect of compilation, but ICC will put the dependencies in
# the current directory while Tru64 will put them in the object
# directory.
mkdir sub

am_cv_$1_dependencies_compiler_type=none
if test "$am_compiler_list" = ""; then
    am_compiler_list='sed -n ['s/^#*\([a-zA-Z0-9]*\))$/\1/p'] < ./depcomp'
fi
for depmode in $am_compiler_list; do
    # Setup a source with many dependencies, because some compilers
    # like to wrap large dependency lists on column 80 (with \), and
    # we should not choose a depcomp mode which is confused by this.
    #
    # We need to recreate these files for each test, as the compiler may
    # overwrite some of them when testing with obscure command lines.
    # This happens at least with the AIX C compiler.
    : > sub/conftest.c
    for i in 1 2 3 4 5 6; do
        echo '#include "confst'$i'.h"' >> sub/conftest.c
    : > sub/confstst$i.h
    done
    echo "${am__include} ${am__quote}sub/conftest.Po${am__quote}" > confmf

    case $depmode in
    nosideeffect)
        # after this tag, mechanisms are not by side-effect, so they'll
        # only be used when explicitly requested
        if test "x$enable_dependency_tracking" = xyes; then
            continue
        else
            break
        fi
        ;;
    none) break ;;
    esac
    # We check with '-c' and '-o' for the sake of the "dashmstdout"
    # mode. It turns out that the SunPro C++ compiler does not properly
    # handle '-M -o', and we need to detect this.
    if depmode=$depmode \
        source=sub/conftest.c object=sub/conftest.${OBJEXT-o} \
        depfile=sub/conftest.Po tmpdepfile=sub/conftest.TPo \
        $SHELL ./depcomp $depcc -c -o sub/conftest.${OBJEXT-o} sub/conftest.c \
        >/dev/null 2>conftest.err &&

```

```

grep sub/conftst6.h sub/conftest.Po > /dev/null 2>&1 &&
grep sub/conftest.${OBJEXT-o} sub/conftest.Po > /dev/null 2>&1 &&
${MAKE-make} -s -f confmf > /dev/null 2>&1; then
# icc doesn't choke on unknown options, it will just issue warnings
# (even with -Werror). So we grep stderr for any message
# that says an option was ignored.
if grep 'ignoring option' conftest.err >/dev/null 2>&1; then ;; else
    am_cv_$1_dependencies_compiler_type=$depmode
    break
fi
fi
done

cd ..
rm -rf conftest.dir
else
    am_cv_$1_dependencies_compiler_type=none
fi
)
AC_SUBST([$1DEPMODE], [depmode=$am_cv_$1_dependencies_compiler_type])
AM_CONDITIONAL([am__fastdep$1], [
    test "x$enable_dependency_tracking" != xno \
    && test "$am_cv_$1_dependencies_compiler_type" = gcc3])
)

# AM_SET_DEPDIR
# -----
# Choose a directory name for dependency files.
# This macro is AC_REQUIRED in _AM_DEPENDENCIES
AC_DEFUN([AM_SET_DEPDIR],
[AC_REQUIRE([AM_SET_LEADING_DOT])dnl
AC_SUBST([DEPDIR], ["${am__leading_dot}deps"])dnl
])

# AM_DEP_TRACK
# -----
AC_DEFUN([AM_DEP_TRACK],
[AC_ARG_ENABLE(dependency-tracking,
[ --disable-dependency-tracking Speeds up one-time builds
 --enable-dependency-tracking Do not reject slow dependency extractors])
if test "x$enable_dependency_tracking" != xno; then
    am_depcomp="$ac_aux_dir/depcomp"
    AMDEPBACKSLASH='\'
fi
AM_CONDITIONAL([AMDEP], [test "x$enable_dependency_tracking" != xno])
AC_SUBST([AMDEPBACKSLASH])

```

)

```
# Generate code to set up dependency tracking.  -*- Autoconf -*-
```

```
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```

```
#serial 2
```

```
# _AM_OUTPUT_DEPENDENCY_COMMANDS
```

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

```
AC_DEFUN([_AM_OUTPUT_DEPENDENCY_COMMANDS],
```

```
[for mf in $CONFIG_FILES; do
```

```
  # Strip MF so we end up with the name of the file.
```

```
  mf=`echo "$mf" | sed -e 's/:.*$//'`
```

```
  # Check whether this is an Automake generated Makefile or not.
```

```
  # We used to match only the files named 'Makefile.in', but
```

```
  # some people rename them; so instead we look at the file content.
```

```
  # Grep'ing the first line is not enough: some people post-process
```

```
  # each Makefile.in and add a new line on top of each file to say so.
```

```
  # So let's grep whole file.
```

```
  if grep '^#.*generated by automake' $mf > /dev/null 2>&1; then
```

```
    dirpart=`AS_DIRNAME("$mf")`
```

```
  else
```

```
    continue
```

```
  fi
```

```
  grep '^DEP_FILES *= *[[^ @%:@]]' < "$mf" > /dev/null || continue
```

```
  # Extract the definition of DEP_FILES from the Makefile without
```

```
  # running 'make'.
```

```
  DEPDIR=`sed -n -e '/^DEPDIR = / s///p' < "$mf"`
```

```
  test -z "$DEPDIR" && continue
```

```
  # When using ansi2knr, U may be empty or an underscore; expand it
```

```
  U=`sed -n -e '/^U = / s///p' < "$mf"`
```

```
  test -d "$dirpart/$DEPDIR" || mkdir "$dirpart/$DEPDIR"
```



```

# We invoke sed twice because it is the simplest approach to
# changing $(DEPDIR) to its actual value in the expansion.
for file in `sed -n -e '
/^DEP_FILES = .*\\$/ {
    s/^DEP_FILES = //
    :loop
s/\\$/ /
P
n
/^\\$/ b loop
P
}
/^DEP_FILES = / s/^DEP_FILES = //p' < "$mf" | \
    sed -e 's/\$(DEPDIR)/"$DEPDIR"/g' -e 's/\$U/"$U"/g'; do
# Make sure the directory exists.
test -f "$dirpart/$file" && continue
fdi='AS_DIRNAME(["$file"])'
AS_MKDIR_P(["$dirpart/$fdi"])
# echo "creating $dirpart/$file"
echo '# dummy' > "$dirpart/$file"
done
done
])# _AM_OUTPUT_DEPENDENCY_COMMANDS

# AM_OUTPUT_DEPENDENCY_COMMANDS
# -----
# This macro should only be invoked once -- use via AC_REQUIRE.
#
# This code is only required when automatic dependency tracking
# is enabled.  FIXME.  This creates each '.P' file that we will
# need in order to bootstrap the dependency handling code.
AC_DEFUN([AM_OUTPUT_DEPENDENCY_COMMANDS],
[AC_CONFIG_COMMANDS([depfiles],
    [test x"$AMDEP_TRUE" != x"" || _AM_OUTPUT_DEPENDENCY_COMMANDS],
    [AMDEP_TRUE="$AMDEP_TRUE" ac_aux_dir="$ac_aux_dir"])
])

# Check to see how 'make' treats includes.  -*- Autoconf -*-

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```
# serial 2
```

```
# AM_MAKE_INCLUDE()
```

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

```
# Check to see how make treats includes.
```

```
AC_DEFUN([AM_MAKE_INCLUDE],
```

```
[am_make=${MAKE-make}
```

```
cat > confinc << 'END'
```

```
am__doit:
```

```
    @echo done
```

```
.PHONY: am__doit
```

```
END
```

```
# If we don't find an include directive, just comment out the code.
```

```
AC_MSG_CHECKING([for style of include used by $am_make])
```

```
am__include="#"
```

```
am__quote=
```

```
_am_result=none
```

```
# First try GNU make style include.
```

```
echo "include confinc" > confmf
```

```
# We grep out 'Entering directory' and 'Leaving directory'
```

```
# messages which can occur if 'w' ends up in MAKEFLAGS.
```

```
# In particular we don't look at '^make:' because GNU make might
```

```
# be invoked under some other name (usually "gmake"), in which
```

```
# case it prints its new name instead of 'make'.
```

```
if test "$am_make -s -f confmf 2> /dev/null | grep -v 'ing directory'" = "done"; then
```

```
    am__include=include
```

```
    am__quote=
```

```
    _am_result=GNU
```

```
fi
```

```
# Now try BSD make style include.
```

```
if test "$am__include" = "#"; then
```

```
    echo '.include "confinc"' > confmf
```

```
if test "$am_make -s -f confmf 2> /dev/null" = "done"; then
```

```
    am__include=.include
```

```
    am__quote="\\"
```

```
    _am_result=BSD
```

```
fi
```

```
fi
```

```
AC_SUBST([am__include])
```

```

AC_SUBST([am__quote])
AC_MSG_RESULT([$_am_result])
rm -f confinc confmf
})

# AM_CONDITIONAL                                -*- Autoconf -*-

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# serial 5

AC_PREREQ(2.52)

# AM_CONDITIONAL(NAME, SHELL-CONDITION)
# -----
# Define a conditional.
AC_DEFUN([AM_CONDITIONAL],
[ifelse([$1], [TRUE], [AC_FATAL([$0: invalid condition: $1])],
      [$1], [FALSE], [AC_FATAL([$0: invalid condition: $1])])dnl
AC_SUBST([$1_TRUE])
AC_SUBST([$1_FALSE])
if $2; then
  $1_TRUE=
  $1_FALSE='#'
else
  $1_TRUE='#'
  $1_FALSE=
fi
AC_CONFIG_COMMANDS_PRE(
[if test -z "${$1_TRUE}" && test -z "${$1_FALSE}"; then
  AC_MSG_ERROR([conditional "$1" was never defined.
Usually this means the macro was only invoked conditionally.])
fi]])

```

```

# Add --enable-maintainer-mode option to configure.
# From Jim Meyering

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# serial 2

AC_DEFUN([AM_MAINTAINER_MODE],
[AC_MSG_CHECKING([whether to enable maintainer-specific portions of Makefiles])
  dnl maintainer-mode is disabled by default
  AC_ARG_ENABLE(maintainer-mode,
[ --enable-maintainer-mode enable make rules and dependencies not useful
    (and sometimes confusing) to the casual installer],
    USE_MAINTAINER_MODE=$enableval,
    USE_MAINTAINER_MODE=no)
  AC_MSG_RESULT([$USE_MAINTAINER_MODE])
  AM_CONDITIONAL(MAINTAINER_MODE, [test $USE_MAINTAINER_MODE = yes])
  MAINT=$MAINTAINER_MODE_TRUE
  AC_SUBST(MAINT)dnl
]
)

AU_DEFUN([jm_MAINTAINER_MODE], [AM_MAINTAINER_MODE])

```

## 1.32 stupid-ftpd 1.4beta

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\*\*\*\*\*

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Cinek

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Source code files have been moved around in v0.6.x releases and  
compared to earlier releases, the programs are now build by first  
going to a subdirectory (wpa\_supplicant or hostapd) and creating  
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## 1.37 zlib 1.2.1.1

### 1.37.1 Available under license :

/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.1.1, January 9th, 2004

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