



INSTITUTO POLITÉCNICO NACIONAL



UNIDAD PROFESIONAL  
INTERDISCIPLINARIA EN INGENIERÍA Y  
TECNOLOGÍAS AVANZADAS

**UPIITA**

***COMPILADOR CRUZADO***

SISTEMAS OPERATIVOS EN TIEMPO REAL

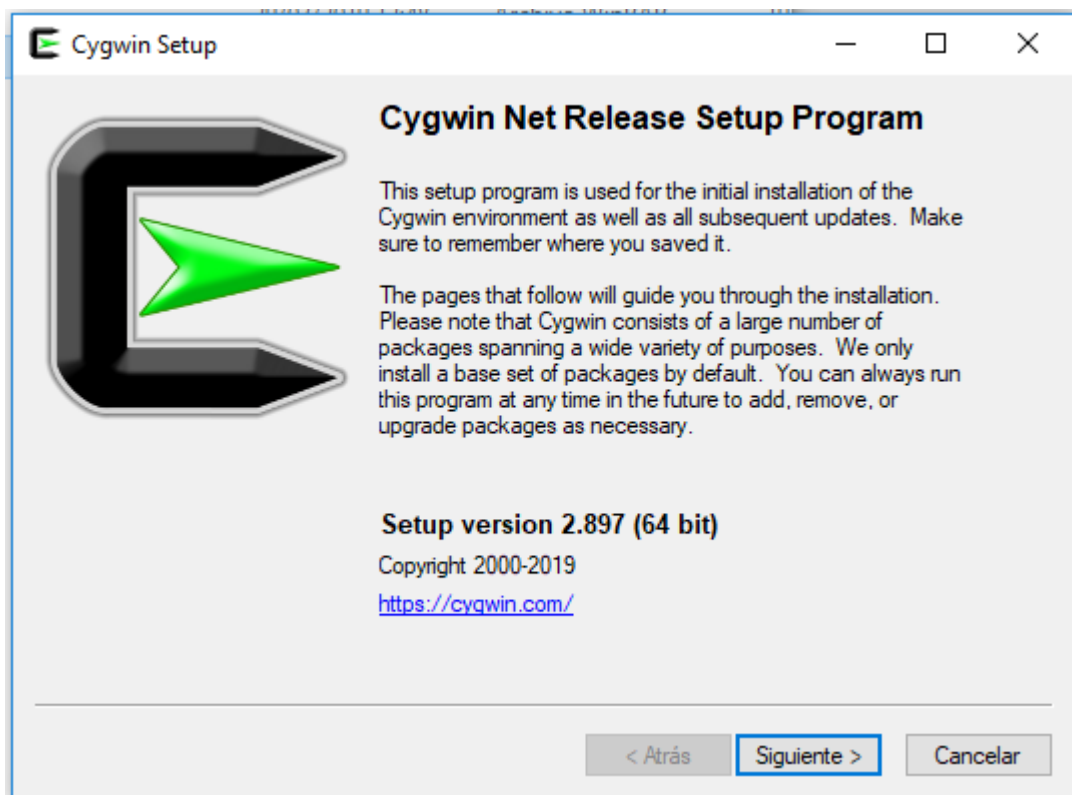
3MV9

ALUMNO:

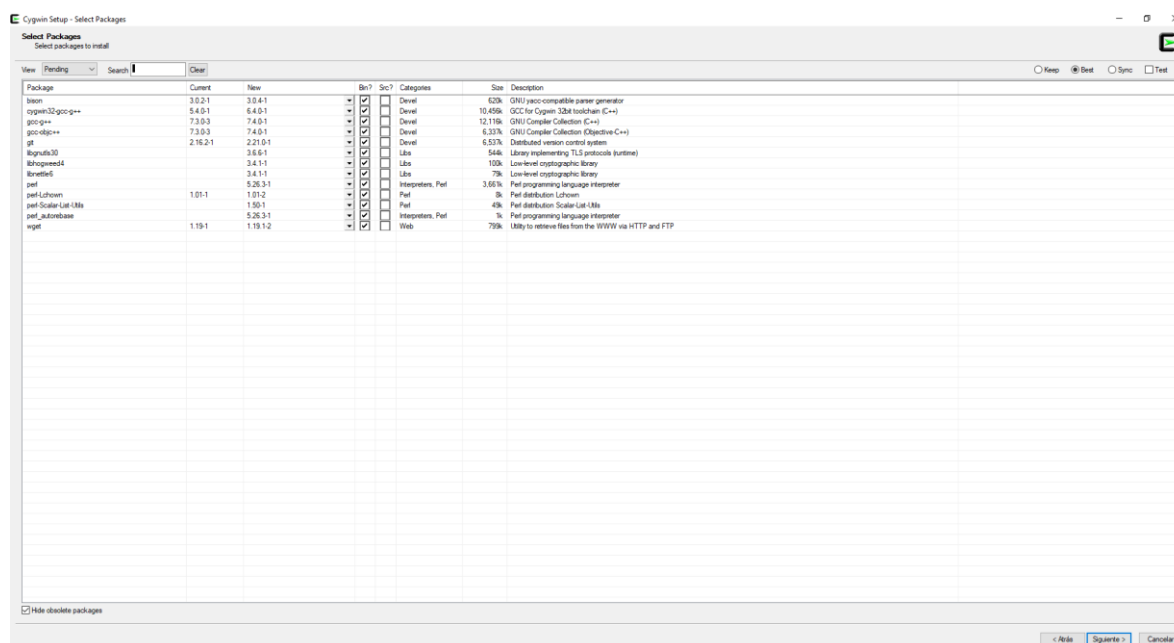
REYES GARCÍA MAURICIO ITZAE

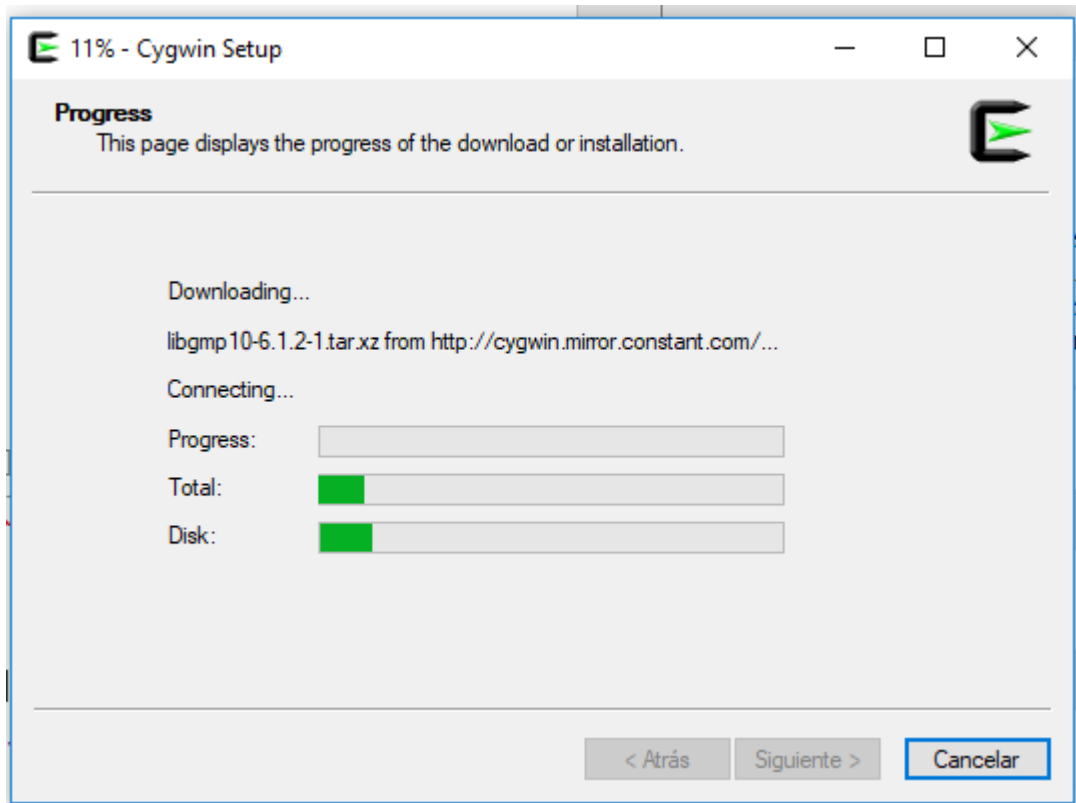
2014640223

Esta práctica de realización de un compilador cruzado con ayuda de Cgywin, para ello, se realizó primero del instalador.



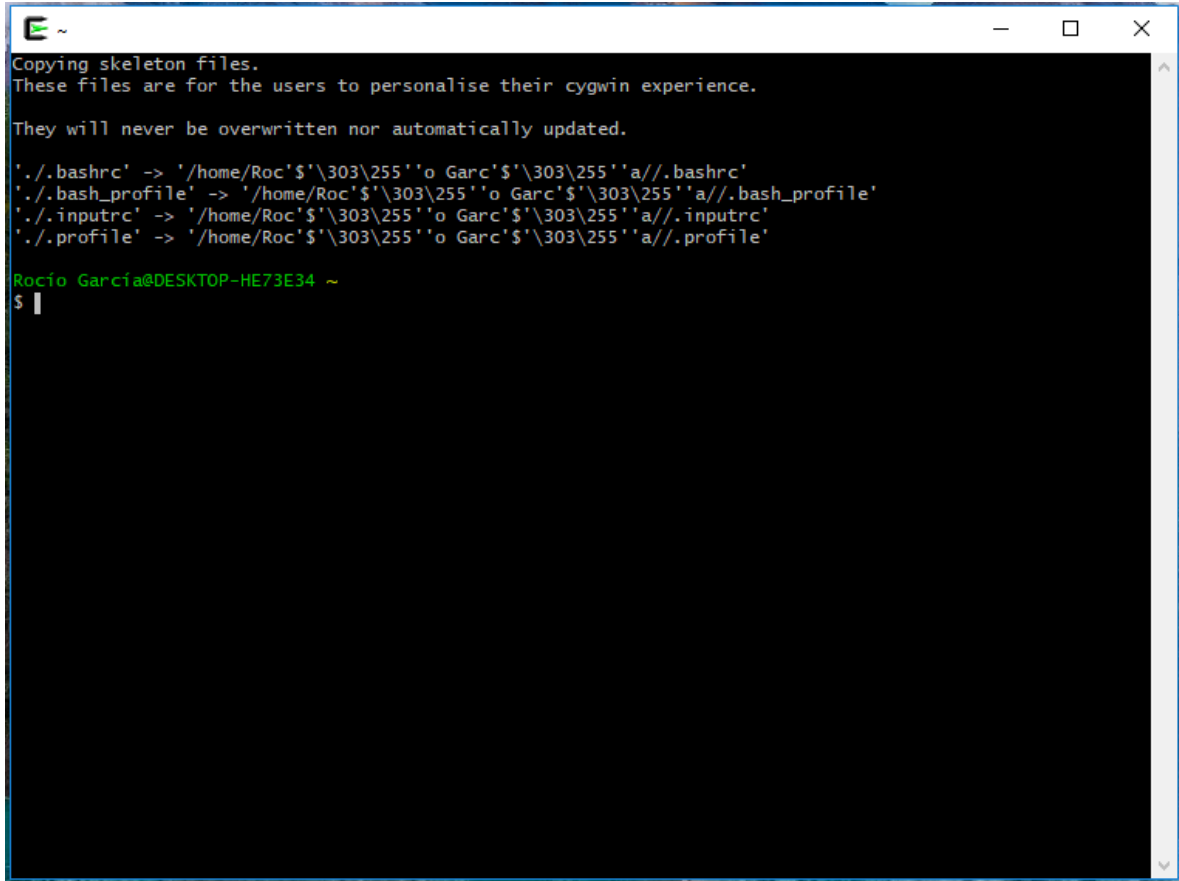
Posteriormente, se cargaron todas las librerías para realizar las secuencias necesarias para la creación de dicho compilador.





Una vez instalado el compilador y teniendo las librerías necesarias, se procede a la realización del compilador cruzado, este se crea a partir de la implementación de la fuente bajada del repositorio <https://solarianprogrammer.com/2018/05/06/building-gcc-cross-compiler-raspberry-pi/>

A continuación se documenta la implementación del compilador.



```
E ~
Copying skeleton files.
These files are for the users to personalise their cygwin experience.

They will never be overwritten nor automatically updated.

'./bashrc' -> '/home/Roc'$'\303\255''o Garc'$'\303\255''a//.bashrc'
'./bash_profile' -> '/home/Roc'$'\303\255''o Garc'$'\303\255''a//.bash_profile'
'./inputrc' -> '/home/Roc'$'\303\255''o Garc'$'\303\255''a//.inputrc'
'./profile' -> '/home/Roc'$'\303\255''o Garc'$'\303\255''a//.profile'

Rocio García@DESKTOP-HE73E34 ~
$ |
```

```
/home/build-gcc
Copying skeleton files.
These files are for the users to personalise their cygwin experience.

They will never be overwritten nor automatically updated.

'./bashrc' -> '/home/Roc'$'\303\255'o Garc'$'\303\255'a/./bashrc'
'./bash_profile' -> '/home/Roc'$'\303\255'o Garc'$'\303\255'a/./bash_profile'
'./inputrc' -> '/home/Roc'$'\303\255'o Garc'$'\303\255'a/./inputrc'
'./profile' -> '/home/Roc'$'\303\255'o Garc'$'\303\255'a/./profile'

Rocio García@DESKTOP-HE73E34 ~
$ cd ..

Rocio García@DESKTOP-HE73E34 /home
$ mkdir build-gcc && cd build-gcc

Rocio García@DESKTOP-HE73E34 /home/build-gcc
$ wget https://ftpmirror.gnu.org/binutils/binutils-2.28.tar.bz2
--2019-06-02 03:10:37-- https://ftpmirror.gnu.org/binutils/binutils-2.28.tar.bz2
Resolviendo ftpmirror.gnu.org... 2001:470:142:5::200, 209.51.188.200
Conectando con ftpmirror.gnu.org[2001:470:142:5::200]:443... conectado.
Petición HTTP enviada, esperando respuesta... 302 Moved Temporarily
Localización: https://mirrors.ocf.berkeley.edu/gnu/binutils/binutils-2.28.tar.bz2 [siguiendo]
--2019-06-02 03:10:38-- https://mirrors.ocf.berkeley.edu/gnu/binutils/binutils-2.28.tar.bz2
Resolviendo mirrors.ocf.berkeley.edu... 2607:f140:8801::1:30, 169.229.226.30
Conectando con mirrors.ocf.berkeley.edu[2607:f140:8801::1:30]:443... conectado.
Petición HTTP enviada, esperando respuesta... 200 OK
Longitud: 26556365 (25M) [application/x-bzip2]
Grabando a: "binutils-2.28.tar.bz2"

binutils-2.28.tar.bz2      100%[=====>] 25.33M  2.23MB/s   en 11s

2019-06-02 03:10:49 (2.28 MB/s) - "binutils-2.28.tar.bz2" guardado [26556365/26556365]

Rocio García@DESKTOP-HE73E34 /home/build-gcc
$ wget https://ftpmirror.gnu.org/gcc/gcc-6.3.0/gcc-6.3.0.tar.gz
--2019-06-02 03:11:00-- https://ftpmirror.gnu.org/gcc/gcc-6.3.0/gcc-6.3.0.tar.gz
```

```
/home/build-gcc
Conectando con mirrors.syringanetworks.net[2605:5800:1:1::7]:443... conectado.
Petición HTTP enviada, esperando respuesta... 200 OK
Longitud: 113651808 (108M) [application/octet-stream]
Grabando a: "gcc-8.1.0.tar.gz"

gcc-8.1.0.tar.gz          100%[=====>] 108.39M   914KB/s   en 73s

2019-06-02 03:13:40 (1.49 MB/s) - "gcc-8.1.0.tar.gz" guardado [113651808/113651808]

Rocío García@DESKTOP-HE73E34 /home/build-gcc
$ git clone --depth=1 https://github.com/raspberrypi/linux
Clonando en 'linux'...
remote: Enumerating objects: 66118, done.
remote: Counting objects: 100% (66118/66118), done.
remote: Compressing objects: 100% (63112/63112), done.
remote: Total 66118 (delta 5229), reused 14416 (delta 2084), pack-reused 0
Recibiendo objetos: 100% (66118/66118), 176.96 MiB | 2.33 MiB/s, listo.
Resolviendo deltas: 100% (5229/5229), listo.
Revisando archivos: 100% (62281/62281), listo.

Rocío García@DESKTOP-HE73E34 /home/build-gcc
$ tar xf binutils-2.28.tar.bz2

Rocío García@DESKTOP-HE73E34 /home/build-gcc
$ tar xf glibc-2.24.tar.bz2

Rocío García@DESKTOP-HE73E34 /home/build-gcc
$ tar xf gcc-6.3.0.tar.gz

Rocío García@DESKTOP-HE73E34 /home/build-gcc
$ tar xf gcc-8.1.0.tar.gz

Rocío García@DESKTOP-HE73E34 /home/build-gcc
$ rm *.tar.*

Rocío García@DESKTOP-HE73E34 /home/build-gcc
$
```

```
Estilos
/build-binutils
$ rm *.tar.*
Rocio García@DESKTOP-HE73E34 /home/build-gcc
$ cd ..
Rocio García@DESKTOP-HE73E34 /home
$ cd gcc-6.3.0
-bash: cd: gcc-6.3.0: No such file or directory
Rocio García@DESKTOP-HE73E34 /home
$ cd build-gcc
Rocio García@DESKTOP-HE73E34 /home/build-gcc
$ cd gcc-6.3.0
Rocio García@DESKTOP-HE73E34 /home/build-gcc/gcc-6.3.0
$ ./contrib/download_prerequisites
--2019-06-02 03:33:15-- ftp://gcc.gnu.org/pub/gcc/infrastructure/mpfr-2.4.2.tar.bz2
=> "mpfr-2.4.2.tar.bz2"
Resolviendo gcc.gnu.org... 209.132.180.131
Conectando con gcc.gnu.org[209.132.180.131]:21... conectado.
Identificándose como anonymous ... ¡Dentro!
==> SYST ... hecho. ==> PWD ... hecho.
==> TYPE I ... hecho. ==> CWD (1) /pub/gcc/infrastructure ... hecho.
==> SIZE mpfr-2.4.2.tar.bz2 ... 1077886
==> PASV ... hecho. ==> RETR mpfr-2.4.2.tar.bz2 ... hecho.
Longitud: 1077886 (1.0M) (probablemente)

mpfr-2.4.2.tar.bz2          100%[=====>] 1.03M  810KB/s  en 1.3s
2019-06-02 03:33:18 (810 KB/s) - "mpfr-2.4.2.tar.bz2" guardado [1077886]

--2019-06-02 03:33:19-- ftp://gcc.gnu.org/pub/gcc/infrastructure/gmp-4.3.2.tar.bz2
=> "gmp-4.3.2.tar.bz2"
Resolviendo gcc.gnu.org... 209.132.180.131
Conectando con gcc.gnu.org[209.132.180.131]:21... conectado.
Identificándose como anonymous ... ¡Dentro!
==> SYST ... hecho. ==> PWD ... hecho.
```

```
/build-binutils
Conectando con gcc.gnu.org[209.132.180.131]:21... conectado.
Identificándose como anonymous ... ¡Dentro!
==> SYST ... hecho. ==> PWD ... hecho.
==> TYPE I ... hecho. ==> CWD (1) /pub/gcc/infrastructure ... hecho.
==> SIZE gmp-4.3.2.tar.bz2 ... 1897483
==> PASV ... hecho. ==> RETR gmp-4.3.2.tar.bz2 ... hecho.
Longitud: 1897483 (1.8M) (probablemente)

gmp-4.3.2.tar.bz2      100%[=====] 1.81M  1.13MB/s  en 1.6s
2019-06-02 03:33:22 (1.13 MB/s) - "gmp-4.3.2.tar.bz2" guardado [1897483]

--2019-06-02 03:33:25-- ftp://gcc.gnu.org/pub/gcc/infrastructure/mpc-0.8.1.tar.gz
=> "mpc-0.8.1.tar.gz"
Resolviendo gcc.gnu.org... 209.132.180.131
Conectando con gcc.gnu.org[209.132.180.131]:21... conectado.
Identificándose como anonymous ... ¡Dentro!
==> SYST ... hecho. ==> PWD ... hecho.
==> TYPE I ... hecho. ==> CWD (1) /pub/gcc/infrastructure ... hecho.
==> SIZE mpc-0.8.1.tar.gz ... 544950
==> PASV ... hecho. ==> RETR mpc-0.8.1.tar.gz ... hecho.
Longitud: 544950 (532K) (probablemente)

mpc-0.8.1.tar.gz      100%[=====] 532.18K  602KB/s  en 0.9s
2019-06-02 03:33:27 (602 KB/s) - "mpc-0.8.1.tar.gz" guardado [544950]

--2019-06-02 03:33:28-- ftp://gcc.gnu.org/pub/gcc/infrastructure/isl-0.15.tar.bz2
=> "isl-0.15.tar.bz2"
Resolviendo gcc.gnu.org... 209.132.180.131
Conectando con gcc.gnu.org[209.132.180.131]:21... conectado.
Identificándose como anonymous ... ¡Dentro!
==> SYST ... hecho. ==> PWD ... hecho.
==> TYPE I ... hecho. ==> CWD (1) /pub/gcc/infrastructure ... hecho.
==> SIZE isl-0.15.tar.bz2 ... 1574964
==> PASV ... hecho. ==> RETR isl-0.15.tar.bz2 ... hecho.
Longitud: 1574964 (1.5M) (probablemente)
```



```
/build-binutils
Conectando con gcc.gnu.org[209.132.180.131]:21... conectado.
Identificándose como anonymous ... ¡Dentro!
==> SYST ... hecho. ==> PWD ... hecho.
==> TYPE I ... hecho. ==> CWD (1) /pub/gcc/infrastructure ... hecho.
==> SIZE isl-0.15.tar.bz2 ... 1574964
==> PASV ... hecho. ==> RETR isl-0.15.tar.bz2 ... hecho.
Longitud: 1574964 (1.5M) (probablemente)

isl-0.15.tar.bz2      100%[=====] 1.50M 1.08MB/s en 1.4s
2019-06-02 03:33:30 (1.08 MB/s) - "isl-0.15.tar.bz2" guardado [1574964]

Rocío García@DESKTOP-HE73E34 /home/build-gcc/gcc-6.3.0
$ rm *.tar.*

Rocío García@DESKTOP-HE73E34 /home/build-gcc/gcc-6.3.0
$ cd ..

Rocío García@DESKTOP-HE73E34 /home/build-gcc
$ cd gcc-8.1.0

Rocío García@DESKTOP-HE73E34 /home/build-gcc/gcc-8.1.0
$ ./contrib/download_prerequisites
2019-06-02 03:34:17 URL: ftp://gcc.gnu.org/pub/gcc/infrastructure/gmp-6.1.0.tar.bz2 [2383840] -> "./gmp-6.1.0.tar.bz2" [1]
2019-06-02 03:34:19 URL: ftp://gcc.gnu.org/pub/gcc/infrastructure/mpfr-3.1.4.tar.bz2 [1279284] -> "./mpfr-3.1.4.tar.bz2" [1]
2019-06-02 03:34:21 URL: ftp://gcc.gnu.org/pub/gcc/infrastructure/mpc-1.0.3.tar.gz [669925] -> "./mpc-1.0.3.tar.gz" [1]
2019-06-02 03:34:23 URL: ftp://gcc.gnu.org/pub/gcc/infrastructure/isl-0.18.tar.bz2 [1658291] -> "./isl-0.18.tar.bz2" [1]
gmp-6.1.0.tar.bz2: La suma coincide
mpfr-3.1.4.tar.bz2: La suma coincide
mpc-1.0.3.tar.gz: La suma coincide
isl-0.18.tar.bz2: La suma coincide
All prerequisites downloaded successfully.
```

```
ESTUOS
/build-binutils
All prerequisites downloaded successfully.

Rocio García@DESKTOP-HE73E34 /home/build-gcc/gcc-8.1.0
$ rm *.tar.*

Rocio García@DESKTOP-HE73E34 /home/build-gcc/gcc-8.1.0
$ cd ..

Rocio García@DESKTOP-HE73E34 /home/build-gcc
$ mkdir -p /opt/cross-pi-gcc

Rocio García@DESKTOP-HE73E34 /home/build-gcc
$ chown $USER /opt/cross-pi-gcc
chown: usuario inválido: «Rocio»

Rocio García@DESKTOP-HE73E34 /home/build-gcc
$ export PATH=/opt/cross-pi-gcc/bin:$PATH

Rocio García@DESKTOP-HE73E34 /home/build-gcc
$ cd ..

Rocio García@DESKTOP-HE73E34 /home
$ cd linux
-bash: cd: linux: No such file or directory

Rocio García@DESKTOP-HE73E34 /home
$ cd build-gcc
-bash: cd: build-gcc: No such file or directory

Rocio García@DESKTOP-HE73E34 /home
$ cd build-gcc

Rocio García@DESKTOP-HE73E34 /home/build-gcc
$ cd linux

Rocio García@DESKTOP-HE73E34 /home/build-gcc/linux
$ KERNEL=kernel7
```

```
/home/build-gcc

Rocío García@DESKTOP-HE73E34 /home/build-gcc
$ wget https://ftpmirror.gnu.org/gcc/gcc-6.3.0/gcc-6.3.0.tar.gz
--2019-06-02 03:11:00-- https://ftpmirror.gnu.org/gcc/gcc-6.3.0/gcc-6.3.0.tar.gz
Resolviendo ftpmirror.gnu.org... 2001:470:142:5::200, 209.51.188.200
Conectando con ftpmirror.gnu.org[2001:470:142:5::200]:443... conectado.
Petición HTTP enviada, esperando respuesta... 302 Moved Temporarily
Localización: https://mirrors.ocf.berkeley.edu/gnu/gcc/gcc-6.3.0/gcc-6.3.0.tar.gz [siguiendo]
--2019-06-02 03:11:00-- https://mirrors.ocf.berkeley.edu/gnu/gcc/gcc-6.3.0/gcc-6.3.0.tar.gz
Resolviendo mirrors.ocf.berkeley.edu... 2607:f140:8801::1:30, 169.229.226.30
Conectando con mirrors.ocf.berkeley.edu[2607:f140:8801::1:30]:443... conectado.
Petición HTTP enviada, esperando respuesta... 200 OK
Longitud: 128819145 (123M) [application/x-gzip]
Grabando a: "gcc-6.3.0.tar.gz"

gcc-6.3.0.tar.gz      100%[=====>] 122.85M  2.23MB/s   en 53s
2019-06-02 03:11:54 (2.32 MB/s) - "gcc-6.3.0.tar.gz" guardado [128819145/128819145]

Rocío García@DESKTOP-HE73E34 /home/build-gcc
$ wget https://ftpmirror.gnu.org/glibc/glibc-2.24.tar.bz2
--2019-06-02 03:12:06-- https://ftpmirror.gnu.org/glibc/glibc-2.24.tar.bz2
Resolviendo ftpmirror.gnu.org... 2001:470:142:5::200, 209.51.188.200
Conectando con ftpmirror.gnu.org[2001:470:142:5::200]:443... conectado.
Petición HTTP enviada, esperando respuesta... 302 Moved Temporarily
Localización: https://mirror.leifrogers.com/gnu/glibc/glibc-2.24.tar.bz2 [siguiendo]
--2019-06-02 03:12:07-- https://mirror.leifrogers.com/gnu/glibc/glibc-2.24.tar.bz2
Resolviendo mirror.leifrogers.com... 35.184.131.204
Conectando con mirror.leifrogers.com[35.184.131.204]:443... conectado.
Petición HTTP enviada, esperando respuesta... 200 OK
Longitud: 20118431 (19M) [application/octet-stream]
Grabando a: "glibc-2.24.tar.bz2"

glibc-2.24.tar.bz2    100%[=====>] 19.19M   2.41MB/s   en 8.0s
2019-06-02 03:12:15 (2.40 MB/s) - "glibc-2.24.tar.bz2" guardado [20118431/20118431]
```

```
/home/build-gcc

Rocío García@DESKTOP-HE73E34 /home/build-gcc
$ wget https://ftpmirror.gnu.org/gcc/gcc-8.1.0/gcc-8.1.0.tar.gz
--2019-06-02 03:12:26-- https://ftpmirror.gnu.org/gcc/gcc-8.1.0/gcc-8.1.0.tar.gz
Resolviendo ftpmirror.gnu.org... 2001:470:142:5::200, 209.51.188.200
Conectando con ftpmirror.gnu.org[2001:470:142:5::200]:443... conectado.
Petición HTTP enviada, esperando respuesta... 302 Moved Temporarily
Localización: https://mirrors.syringanetworks.net/gnu/gcc/gcc-8.1.0/gcc-8.1.0.tar.gz [siguiendo]
--2019-06-02 03:12:27-- https://mirrors.syringanetworks.net/gnu/gcc/gcc-8.1.0/gcc-8.1.0.tar.gz
Resolviendo mirrors.syringanetworks.net... 2605:5800:1:1::7, 66.232.64.7
Conectando con mirrors.syringanetworks.net[2605:5800:1:1::7]:443... conectado.
Petición HTTP enviada, esperando respuesta... 200 OK
Longitud: 113651808 (108M) [application/octet-stream]
Grabando a: "gcc-8.1.0.tar.gz"

gcc-8.1.0.tar.gz      100%[=====>] 108.39M  914KB/s   en 73s
2019-06-02 03:13:40 (1.49 MB/s) - "gcc-8.1.0.tar.gz" guardado [113651808/113651808]

Rocío García@DESKTOP-HE73E34 /home/build-gcc
$ git clone --depth=1 https://github.com/raspberrypi/linux
Clonando en 'linux'...
remote: Enumerating objects: 66118, done.
remote: Counting objects: 100% (66118/66118), done.
remote: Compressing objects: 100% (63112/63112), done.
remote: Total 66118 (delta 5229), reused 14416 (delta 2084), pack-reused 0
Recibiendo objetos: 100% (66118/66118), 176.96 MiB | 2.33 MiB/s, listo.
Resolviendo deltas: 100% (5229/5229), listo.
Revisando archivos: 100% (62281/62281), listo.

Rocío García@DESKTOP-HE73E34 /home/build-gcc
$ tar xf binutils-2.28.tar.bz2
```

```
/home/build-gcc/build-binutils
Rocio García@DESKTOP-HE73E34 ~
$ cd ..

Rocio García@DESKTOP-HE73E34 /home
$ cd build-gcc

Rocio García@DESKTOP-HE73E34 /home/build-gcc
$ cd linux

Rocio García@DESKTOP-HE73E34 /home/build-gcc/linux
$ KERNEL=kernel7

Rocio García@DESKTOP-HE73E34 /home/build-gcc/linux
$ make ARCH=arm INSTALL_HDR_PATH=/opt/cross-pi-gcc/arm-linux-gnueabi/hf headers_i
ninstall
  UPD      include/generated/uapi/linux/version.h
  HOSTCC   scripts/basic/fixdep
  WRAP     arch/arm/include/generated/uapi/asm/bitsperlong.h
  WRAP     arch/arm/include/generated/uapi/asm/bpf_perf_event.h
  WRAP     arch/arm/include/generated/uapi/asm/errno.h
  WRAP     arch/arm/include/generated/uapi/asm/ioctl.h
  WRAP     arch/arm/include/generated/uapi/asm/ipcbuf.h
  WRAP     arch/arm/include/generated/uapi/asm/msgbuf.h
  WRAP     arch/arm/include/generated/uapi/asm/param.h
  WRAP     arch/arm/include/generated/uapi/asm/poll.h
  WRAP     arch/arm/include/generated/uapi/asm/resource.h
  WRAP     arch/arm/include/generated/uapi/asm/sembuf.h
  WRAP     arch/arm/include/generated/uapi/asm/shmbuf.h
  WRAP     arch/arm/include/generated/uapi/asm/signinfo.h
  WRAP     arch/arm/include/generated/uapi/asm/socket.h
  WRAP     arch/arm/include/generated/uapi/asm/sockios.h
  WRAP     arch/arm/include/generated/uapi/asm/termbits.h
```

```
/home/build-gcc/build-binutils
  WRAP     arch/arm/include/generated/uapi/asm/signinfo.h
  WRAP     arch/arm/include/generated/uapi/asm/socket.h
  WRAP     arch/arm/include/generated/uapi/asm/sockios.h
  WRAP     arch/arm/include/generated/uapi/asm/termbits.h
  WRAP     arch/arm/include/generated/uapi/asm/termios.h
  SYSHDR   arch/arm/include/generated/uapi/asm/unistd-common.h
  SYSHDR   arch/arm/include/generated/uapi/asm/unistd-oabi.h
  SYSHDR   arch/arm/include/generated/uapi/asm/unistd-eabi.h
  HOSTCC   scripts/unifdef
  INSTALL  include/asm-generic (37 files)
  INSTALL  include/drm (26 files)
  INSTALL  include/linux (498 files)
  INSTALL  include/linux/android (1 file)
  INSTALL  include/linux/byteorder (2 files)
  INSTALL  include/linux/caif (2 files)
  INSTALL  include/linux/can (6 files)
  INSTALL  include/linux/cifs (1 file)
  INSTALL  include/linux/dvb (8 files)
  INSTALL  include/linux/genwqe (1 file)
  INSTALL  include/linux/hdlc (1 file)
  INSTALL  include/linux/hsi (2 files)
  INSTALL  include/linux/iio (2 files)
  INSTALL  include/linux/isdn (1 file)
  INSTALL  include/linux/mmc (1 file)
  INSTALL  include/linux/netfilter (83 files)
  INSTALL  include/linux/netfilter/ipset (4 files)
  INSTALL  include/linux/netfilter_arp (2 files)
  INSTALL  include/linux/netfilter_bridge (17 files)
  INSTALL  include/linux/netfilter_ipv4 (7 files)
  INSTALL  include/linux/netfilter_ipv6 (12 files)
  INSTALL  include/linux/nfsd (5 files)
  INSTALL  include/linux/raid (2 files)
  INSTALL  include/linux/sched (1 file)
```

```
/home/build-gcc/build-binutils
INSTALL include/linux/usb (13 files)
INSTALL include/linux/wimax (1 file)
INSTALL include/misc (2 files)
INSTALL include/mtd (5 files)
INSTALL include/rdma (25 files)
INSTALL include/rdma/hfi (2 files)
INSTALL include/scsi (4 files)
INSTALL include/scsi/fc (4 files)
INSTALL include/sound (16 files)
INSTALL include/video (3 files)
INSTALL include/xen (4 files)
INSTALL include/asm (38 files)

Rocío García@DESKTOP-HE73E34 /home/build-gcc/linux
$ cd ..

Rocío García@DESKTOP-HE73E34 /home/build-gcc
$ mkdir build-binutils && cd build-binutils

$

Rocío García@DESKTOP-HE73E34 /home/build-gcc/build-binutils
$ ../binutils-2.28/configure --prefix=/opt/cross-pi-gcc --target=arm-linux-gnueabi --with-arch=armv6 --with-fpu=vfp --with-float=hard --disable-multilib
checking build system type... x86_64-unknown-cygwin
checking host system type... x86_64-unknown-cygwin
checking target system type... arm-unknown-linux-gnueabi
checking for a BSD-compatible install... /usr/bin/install -c
checking whether ln works... yes
checking whether ln -s works... yes
checking for a sed that does not truncate output... /usr/bin/sed
checking for gawk... gawk
checking to see if cat works as expected... yes
```

```
/home/build-gcc/build-binutils
checking for gawk... gawk
checking to see if cat works as expected... yes
checking for gcc... gcc
checking for C compiler default output file name... a.exe
checking whether the C compiler works... yes
checking whether we are cross compiling... no
checking for suffix of executables... .exe
checking for suffix of object files... o
checking whether we are using the GNU C compiler... yes
checking whether gcc accepts -g... yes
checking for gcc option to accept ISO C89... none needed
checking for g++... g++
checking whether we are using the GNU C++ compiler... yes
checking whether g++ accepts -g... yes
checking whether g++ accepts -static-libstdc++ -static-libgcc... yes
checking for gnatbind... no
checking for gnatmake... no
checking whether compiler driver understands Ada... no
checking how to compare bootstrapped objects... cmp --ignore-initial=16 $f1 $f2
checking for objdir... .libs
checking for isl 0.16, 0.15, or deprecated 0.14... no
recommended isl version is 0.16 or 0.15, the minimum required isl version 0.14 is deprecated
checking for isl 0.16 or 0.15... no
checking for default BUILD_CONFIG...
checking for --enable-vtable-verify... no
checking for bison... bison -y
checking for bison... bison
checking for gm4... no
checking for gnum4... no
checking for m4... m4
checking for flex... no
checking for lex... no
checking for flex... no
```

```
/home/build-gcc/build-binutils
checking for dlltool... dlltool
checking for ld... (cached) /usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe
checking for lipo... no
checking for nm... nm
checking for ranlib... ranlib
checking for strip... strip
checking for windres... windres
checking for windmc... windmc
checking for objcopy... objcopy
checking for objdump... objdump
checking for readelf... readelf
checking for arm-linux-gnueabi-hf-cc... no
checking for arm-linux-gnueabi-hf-gcc... no
checking for arm-linux-gnueabi-hf-c++... no
checking for arm-linux-gnueabi-hf-g++... no
checking for arm-linux-gnueabi-hf-cxx... no
checking for arm-linux-gnueabi-hf-gxx... no
checking for arm-linux-gnueabi-hf-gcc... no
checking for arm-linux-gnueabi-hf-gcj... no
checking for arm-linux-gnueabi-hf-gfortran... no
checking for arm-linux-gnueabi-hf-gccgo... no
checking for arm-linux-gnueabi-hf-ar... no
checking for arm-linux-gnueabi-hf-as... no
checking for arm-linux-gnueabi-hf-dlltool... no
checking for arm-linux-gnueabi-hf-ld... no
checking for arm-linux-gnueabi-hf-lipo... no
checking for arm-linux-gnueabi-hf-nm... no
checking for arm-linux-gnueabi-hf-objcopy... no
checking for arm-linux-gnueabi-hf-objdump... no
checking for arm-linux-gnueabi-hf-ranlib... no
checking for arm-linux-gnueabi-hf-readelf... no
checking for arm-linux-gnueabi-hf-strip... no
```

```
/home/build-gcc/build-binutils
checking for arm-linux-gnueabi-hf-objcopy... no
checking for arm-linux-gnueabi-hf-objdump... no
checking for arm-linux-gnueabi-hf-ranlib... no
checking for arm-linux-gnueabi-hf-readelf... no
checking for arm-linux-gnueabi-hf-strip... no
checking for arm-linux-gnueabi-hf-windres... no
checking for arm-linux-gnueabi-hf-windmc... no
checking where to find the target ar... just compiled
checking where to find the target as... just compiled
checking where to find the target cc... pre-installed
checking where to find the target c++... pre-installed
checking where to find the target c++ for libstdc++... pre-installed
checking where to find the target dlltool... just compiled
checking where to find the target gcc... pre-installed
checking where to find the target gcj... pre-installed
checking where to find the target gfortran... pre-installed
checking where to find the target gccgo... pre-installed
checking where to find the target ld... just compiled
checking where to find the target lipo... pre-installed
checking where to find the target nm... just compiled
checking where to find the target objcopy... just compiled
checking where to find the target objdump... just compiled
checking where to find the target ranlib... just compiled
checking where to find the target readelf... just compiled
checking where to find the target strip... just compiled
checking where to find the target windres... just compiled
checking where to find the target windmc... just compiled
checking whether to enable maintainer-specific portions of Makefiles... no
configure: creating ./config.status
config.status: creating Makefile

Rocío García@DESKTOP-HE73E34 /home/build-gcc/build-binutils
$
```

```
/home/build-gcc/build-binutils
config.status: creating Makefile

Rocío García@DESKTOP-HE73E34 /home/build-gcc/build-binutils
$ make -j 8
make[1]: se entra en el directorio '/home/build-gcc/build-binutils'
make[1]: No se hace nada para 'all-target'.
mkdir -p -- ./libiberty
mkdir -p -- ./intl
mkdir -p -- ./zlib
Configuring in ./libiberty
Configuring in ./zlib
Configuring in ./intl
mkdir -p -- ./etc
Configuring in ./etc
configure: creating cache ./config.cache
checking for a BSD-compatible install... /usr/bin/install -c
configure: creating cache ./config.cache
configure: creating cache ./config.cache
checking whether to enable maintainer-specific portions of Makefiles... no
checking for makeinfo... /home/build-gcc/binutils-2.28/missing makeinfo --split-size=5000000
configure: WARNING:
*** Makeinfo is missing. Info documentation will not be built.
checking for perl... perl
configure: creating cache ./config.cache
checking whether make sets $(MAKE)... yes
checking for a BSD-compatible install... /usr/bin/install -c
checking whether NLS is requested... yes
checking build system type... checking build system type... configure: updating cache ./config.cache
checking for msgfmt... no
checking for gmsgfmt... :
configure: creating ./config.status
checking for xgettext... no
```



```
/home/build-gcc/build-binutils
checking target system type... x86_64-unknown-cygwin
checking for x86_64-unknown-cygwin-ar... ar
checking for x86_64-unknown-cygwin-ranlib... ranlib
checking whether to install libiberty headers and static library... no
configure: target_header_dir =
checking for x86_64-unknown-cygwin-gcc... gcc
arm-unknown-linux-gnueabihf
a.exe
checking whether the C compiler works... checking for a BSD-compatible install... /usr/bin/install -c
checking whether build environment is sane... yes
checking for C compiler default output file name... checking for a thread-safe mkdir -p... /usr/bin/mkdir -p
checking for gawk... gawk
checking whether make sets $(MAKE)... yes
a.exe
checking whether the C compiler works... checking whether to enable maintainer-specific portions of Makefiles... no
checking for x86_64-unknown-cygwin-gcc... gcc
yes
checking whether we are cross compiling... no
checking for suffix of executables... config.status: creating Makefile
.exe
checking for suffix of object files... o
checking whether we are using the GNU C compiler... checking for C compiler default output file name... yes
checking whether we are cross compiling... no
checking for suffix of executables... yes
checking whether gcc accepts -g... .exe
yes
checking for gcc option to accept ISO C89... checking for suffix of object files... a.exe
checking whether the C compiler works... none needed
o
```

```
/home/build-gcc/build-binutils
yes
checking for gcc option to accept ISO C89... checking for suffix of object files... a.exe
checking whether the C compiler works... none needed
o
checking whether we are using the GNU C compiler... make[2]: se entra en el directorio '/home/build-gcc/build-binutils/etc'
make[2]: No se hace nada para 'all'.
make[2]: se sale del directorio '/home/build-gcc/build-binutils/etc'
yes
checking whether gcc accepts -g... checking build system type... yes
checking for gcc option to accept ISO C89... x86_64-unknown-cygwin
checking host system type... none needed
checking how to run the C preprocessor... yes
checking whether we are cross compiling... no
checking for suffix of executables... x86_64-unknown-cygwin
checking for x86_64-unknown-cygwin-ranlib... ranlib
checking for library containing strerror... gcc -E
.exe
checking for suffix of object files... none required
checking how to run the C preprocessor... checking for grep that handles long lines and -e... o
checking whether we are using the GNU C compiler... /usr/bin/grep
checking for egrep... /usr/bin/grep -E
checking for ANSI C header files... yes
checking whether gcc accepts -g... gcc -E
yes
checking for gcc option to accept ISO C89... none needed
checking for style of include used by make... checking for grep that handles long lines and -e... GNU
checking dependency style of gcc... /usr/bin/grep
checking for egrep... /usr/bin/grep -E
checking for ANSI C header files... gcc3
checking how to print strings... printf
checking for a sed that does not truncate output... /usr/bin/sed
```

```
/home/build-gcc/build-binutils
checking for a sed that does not truncate output... /usr/bin/sed
checking for grep that handles long lines and -e... /usr/bin/grep
checking for egrep... /usr/bin/grep -E
checking for fgrep... /usr/bin/grep -F
checking for ld used by gcc... yes
checking for sys/types.h... yes
/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe
checking if the linker (/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe) is GNU ld... yes
checking for BSD- or MS-compatible name lister (nm)... nm
checking the name lister (nm) interface... checking for sys/stat.h... yes
BSD nm
checking whether ln -s works... yes
checking the maximum length of command line arguments... 8192
checking whether the shell understands some XSI constructs... yes
checking whether the shell understands "+="... yes
checking for stdlib.h... checking for /usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe option to reload object files... -r
checking for x86_64-unknown-cygwin-objdump... objdump
checking how to recognize dependent libraries... file_magic ^x86 archive import|^x86 DLL
checking for x86_64-unknown-cygwin-ar... ar
checking for x86_64-unknown-cygwin-strip... no
checking for strip... strip
checking for x86_64-unknown-cygwin-ranlib... ranlib
checking command to parse nm output from gcc object... yes
yes
checking for an ANSI C-conforming const... checking for string.h... yes
checking for inline... inline
yes
checking for sys/types.h... checking for memory.h... yes
ok
checking how to run the C preprocessor... yes
checking for sys/stat.h... checking for strings.h... yes
```

```
/home/build-gcc/build-binutils
yes
gcc -E
checking for stdlib.h... checking for inttypes.h... yes
checking for ANSI C header files... yes
checking for string.h... checking for stdint.h... yes
yes
checking for memory.h... checking for unistd.h... yes
yes
checking minix/config.h usability... checking for strings.h... yes
no
checking minix/config.h presence... checking for inttypes.h... no
checking for minix/config.h... no
checking whether it is safe to define __EXTENSIONS__... yes
yes
checking for special C compiler options needed for large files... no
checking for _FILE_OFFSET_BITS value needed for large files... checking for stdint.h... no
yes
checking whether gcc supports -W... checking for sys/types.h... yes
yes
checking for unistd.h... checking whether gcc supports -Wall... yes
yes
yes
checking for sys/stat.h... checking whether gcc supports -Wwrite-strings... checking for off_t.
.. yes
yes
checking whether gcc supports -Wc++-compat... checking for stdlib.h... yes
yes
checking for size_t... checking whether gcc supports -Wstrict-prototypes... yes
checking for string.h... yes
checking whether gcc supports -Wshadow=local... yes
yes
checking for working alloca.h... checking for memory.h... yes
checking whether gcc supports -pedantic ... yes
```

```
/home/build-gcc/build-binutils
checking whether gcc supports -Wc++-compat... checking for stdlib.h... yes
yes
checking for size_t... checking whether gcc supports -Wstrict-prototypes... yes
checking for string.h... yes
checking whether gcc supports -Wshadow=local... yes
yes
checking for working alloca.h... checking for memory.h... yes
checking whether gcc supports -pedantic ... yes
yes
checking whether gcc and cc understand -c and -o together... yes
checking for alloca... checking for strings.h... yes
yes
checking for stdlib.h... (cached) yes
checking for inttypes.h... checking for unistd.h... (cached) yes
yes
checking for an ANSI C-conforming const... yes
checking for getpagesize... yes
checking for inline... checking for stdint.h... inline
checking whether byte ordering is bigendian... yes
yes
checking for working mmap... checking for unistd.h... yes
checking for dlfcn.h... no
checking for a BSD-compatible install... /usr/bin/install -c
yes
checking for objdir... .libs
checking for sys/file.h... yes
no
checking whether we are using the GNU C Library 2.1 or newer... checking for sys/param.h... che
cking if gcc supports -fno-rtti -fno-exceptions... yes
no
checking whether integer division by zero raises SIGFPE... checking for limits.h... no
checking for gcc option to produce PIC... -DDLL_EXPORT -DPIC
checking if gcc PIC flag -DDLL_EXPORT -DPIC works... yes
```

```
/home/build-gcc/build-binutils
checking if gcc supports -c -o file.o... checking for string.h... (cached) yes
checking for unistd.h... (cached) yes
yes
checking for inttypes.h... checking for strings.h... (cached) yes
yes
checking if gcc supports -c -o file.o... (cached) yes
checking whether the gcc linker (/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe) supports shared libraries... yes
checking for stdint.h... checking for sys/time.h... yes
checking whether -lc should be explicitly linked in... yes
yes
checking for unsigned long long... checking for time.h... yes
checking dynamic linker characteristics... yes
yes
checking for inttypes.h... checking for sys/resource.h... yes
checking whether the inttypes.h PRIdNN macros are broken... Win32 ld.exe
checking how to hardcode library paths into programs... immediate
checking whether stripping libraries is possible... yes
yes
checking if libtool supports shared libraries... yes
checking whether to build shared libraries... yes
checking whether to build static libraries... yes
checking how to run the C preprocessor... gcc -E
no
checking for ld used by GCC... checking for sys/stat.h... (cached) yes
checking for sys/mman.h... checking for stdlib.h... (cached) yes
yes
/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe
checking if the linker (/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe) is GNU ld... checking for fcntl.h... checking for unistd.h... (cached) yes
checking for getpagesize... yes
checking for shared library run path origin... yes
checking for alloca.h... yes
yes
checking for working mmap... checking for sys/pstat.h... done
no
checking argz.h usability... checking for sys/sysmp.h... yes
checking argz.h presence... no
checking for sys/sysinfo.h... yes
checking for argz.h... yes
yes
checking limits.h usability... checking for machine/ha1_sysinfo.h... yes
checking limits.h presence... no
yes
checking for limits.h... yes
```

```
/home/build-gcc/build-binutils
configure: creating ./config.status
checking for process.h... checking stddef.h usability... yes
yes
checking stddef.h presence... checking for sys/prctl.h... yes
checking for stddef.h... yes
checking for stdlib.h... (cached) yes
no
checking for sys/wait.h that is POSIX.1 compatible... checking for string.h... (cached) yes
yes
checking whether time.h and sys/time.h may both be included... checking for unistd.h... (cached)
) yes
yes
checking whether errno must be declared... checking sys/param.h usability... no
checking size of int... yes
checking sys/param.h presence... yes
checking for sys/param.h... yes
checking for feof_unlocked... yes
checking for fgets_unlocked... yes
checking for getc_unlocked... yes
4
checking size of long... checking for getcwd... yes
checking for getegid... yes
checking for geteuid... yes
8
checking size of size_t... checking for getgid... yes
checking for getuid... yes
checking for memcpy... yes
8
checking for long long... checking for mmap... yes
yes
checking size of long long... checking for putenv... yes
checking for setenv... yes
checking for setlocale... 8
checking for a 64-bit type... uint64_t
yes
checking for intptr_t... checking for uintptr_t... yes
checking for uintptr_t... yes
checking for strcasecmp... yes
checking for ssize_t... yes
yes
checking for pid_t... checking for strdup... yes
yes
checking for library containing strerror... checking for strtoul... config.status: creating Makefile
none required
```

```
/home/build-gcc/build-binutils
checking for bcmp... no
checking for __argz_next... make[2]: se entra en el directorio '/home/build-gcc/build-binutils/
zlib'
gcc -DPACKAGE_NAME=\"\" -DPACKAGE_TARNAME=\"\" -DPACKAGE_VERSION=\"\" -DPACKAGE_STRING=\"\" -DP
ACKAGE_BUGREPORT=\"\" -DPACKAGE_URL=\"\" -DPACKAGE=\"zlib\" -DVERSION=\"1.1.4\" -DSTDC_HEADERS=
1 -DHAVE_SYS_TYPES_H=1 -DHAVE_SYS_STAT_H=1 -DHAVE_STDLIB_H=1 -DHAVE_STRING_H=1 -DHAVE_MEMORY_H=
1 -DHAVE_STRINGS_H=1 -DHAVE_INTTYPES_H=1 -DHAVE_STDINT_H=1 -DHAVE_UNISTD_H=1 -DHAVE_DLFCN_H=1 -
DLT_OBJDIR=\".libs\" -DHAVE_STDLIB_H=1 -DHAVE_UNISTD_H=1 -DHAVE_GETPAGESIZE=1 -DHAVE_MEMCPY=1
-DHAVE_STRERROR=1 -DHAVE_UNISTD_H=1 -I. -I../binutils-2.28/zlib -g -O2 -c -o libz_a-adl
er32.o 'test -f 'adler32.c' || echo '../binutils-2.28/zlib/'adler32.c
gcc -DPACKAGE_NAME=\"\" -DPACKAGE_TARNAME=\"\" -DPACKAGE_VERSION=\"\" -DPACKAGE_STRING=\"\" -DP
ACKAGE_BUGREPORT=\"\" -DPACKAGE_URL=\"\" -DPACKAGE=\"zlib\" -DVERSION=\"1.1.4\" -DSTDC_HEADERS=
1 -DHAVE_SYS_TYPES_H=1 -DHAVE_SYS_STAT_H=1 -DHAVE_STDLIB_H=1 -DHAVE_STRING_H=1 -DHAVE_MEMORY_H=
1 -DHAVE_STRINGS_H=1 -DHAVE_INTTYPES_H=1 -DHAVE_STDINT_H=1 -DHAVE_UNISTD_H=1 -DHAVE_DLFCN_H=1 -
DLT_OBJDIR=\".libs\" -DHAVE_STDLIB_H=1 -DHAVE_UNISTD_H=1 -DHAVE_GETPAGESIZE=1 -DHAVE_MEMCPY=1
-DHAVE_STRERROR=1 -DHAVE_UNISTD_H=1 -I. -I../binutils-2.28/zlib -g -O2 -c -o libz_a-com
press.o 'test -f 'compress.c' || echo '../binutils-2.28/zlib/'compress.c
gcc -DPACKAGE_NAME=\"\" -DPACKAGE_TARNAME=\"\" -DPACKAGE_VERSION=\"\" -DPACKAGE_STRING=\"\" -DP
ACKAGE_BUGREPORT=\"\" -DPACKAGE_URL=\"\" -DPACKAGE=\"zlib\" -DVERSION=\"1.1.4\" -DSTDC_HEADERS=
1 -DHAVE_SYS_TYPES_H=1 -DHAVE_SYS_STAT_H=1 -DHAVE_STDLIB_H=1 -DHAVE_STRING_H=1 -DHAVE_MEMORY_H=
1 -DHAVE_STRINGS_H=1 -DHAVE_INTTYPES_H=1 -DHAVE_STDINT_H=1 -DHAVE_UNISTD_H=1 -DHAVE_DLFCN_H=1 -
DLT_OBJDIR=\".libs\" -DHAVE_STDLIB_H=1 -DHAVE_UNISTD_H=1 -DHAVE_GETPAGESIZE=1 -DHAVE_MEMCPY=1
-DHAVE_STRERROR=1 -DHAVE_UNISTD_H=1 -I. -I../binutils-2.28/zlib -g -O2 -c -o libz_a-crc
32.o 'test -f 'crc32.c' || echo '../binutils-2.28/zlib/'crc32.c
gcc -DPACKAGE_NAME=\"\" -DPACKAGE_TARNAME=\"\" -DPACKAGE_VERSION=\"\" -DPACKAGE_STRING=\"\" -DP
ACKAGE_BUGREPORT=\"\" -DPACKAGE_URL=\"\" -DPACKAGE=\"zlib\" -DVERSION=\"1.1.4\" -DSTDC_HEADERS=
1 -DHAVE_SYS_TYPES_H=1 -DHAVE_SYS_STAT_H=1 -DHAVE_STDLIB_H=1 -DHAVE_STRING_H=1 -DHAVE_MEMORY_H=
1 -DHAVE_STRINGS_H=1 -DHAVE_INTTYPES_H=1 -DHAVE_STDINT_H=1 -DHAVE_UNISTD_H=1 -DHAVE_DLFCN_H=1 -
DLT_OBJDIR=\".libs\" -DHAVE_STDLIB_H=1 -DHAVE_UNISTD_H=1 -DHAVE_GETPAGESIZE=1 -DHAVE_MEMCPY=1
-DHAVE_STRERROR=1 -DHAVE_UNISTD_H=1 -I. -I../binutils-2.28/zlib -g -O2 -c -o libz_a-def
late.o 'test -f 'deflate.c' || echo '../binutils-2.28/zlib/'deflate.c
gcc -DPACKAGE_NAME=\"\" -DPACKAGE_TARNAME=\"\" -DPACKAGE_VERSION=\"\" -DPACKAGE_STRING=\"\" -DP
ACKAGE_BUGREPORT=\"\" -DPACKAGE_URL=\"\" -DPACKAGE=\"zlib\" -DVERSION=\"1.1.4\" -DSTDC_HEADERS=
1 -DHAVE_SYS_TYPES_H=1 -DHAVE_SYS_STAT_H=1 -DHAVE_STDLIB_H=1 -DHAVE_STRING_H=1 -DHAVE_MEMORY_H=
1 -DHAVE_STRINGS_H=1 -DHAVE_INTTYPES_H=1 -DHAVE_STDINT_H=1 -DHAVE_UNISTD_H=1 -DHAVE_DLFCN_H=1 -
DLT_OBJDIR=\".libs\" -DHAVE_STDLIB_H=1 -DHAVE_UNISTD_H=1 -DHAVE_GETPAGESIZE=1 -DHAVE_MEMCPY=1
-DHAVE_STRERROR=1 -DHAVE_UNISTD_H=1 -I. -I../binutils-2.28/zlib -g -O2 -c -o libz_a-gzr
ead.o 'test -f 'gzread.c' || echo '../binutils-2.28/zlib/'gzread.c
gcc -DPACKAGE_NAME=\"\" -DPACKAGE_TARNAME=\"\" -DPACKAGE_VERSION=\"\" -DPACKAGE_STRING=\"\" -DP
ACKAGE_BUGREPORT=\"\" -DPACKAGE_URL=\"\" -DPACKAGE=\"zlib\" -DVERSION=\"1.1.4\" -DSTDC_HEADERS=
1 -DHAVE_SYS_TYPES_H=1 -DHAVE_SYS_STAT_H=1 -DHAVE_STDLIB_H=1 -DHAVE_STRING_H=1 -DHAVE_MEMORY_H=
1 -DHAVE_STRINGS_H=1 -DHAVE_INTTYPES_H=1 -DHAVE_STDINT_H=1 -DHAVE_UNISTD_H=1 -DHAVE_DLFCN_H=1 -
DLT_OBJDIR=\".libs\" -DHAVE_STDLIB_H=1 -DHAVE_UNISTD_H=1 -DHAVE_GETPAGESIZE=1 -DHAVE_MEMCPY=1
-DHAVE_STRERROR=1 -DHAVE_UNISTD_H=1 -I. -I../binutils-2.28/zlib -g -O2 -c -o libz_a-gzc
lose.o 'test -f 'gzclose.c' || echo '../binutils-2.28/zlib/'gzclose.c
checking for a 64-bit type... uint64_t
```

```
/home/build-gcc/build-binutils
1 -DHAVE_SYS_TYPES_H=1 -DHAVE_SYS_STAT_H=1 -DHAVE_STDLIB_H=1 -DHAVE_STRING_H=1 -DHAVE_MEMORY_H=
1 -DHAVE_STRINGS_H=1 -DHAVE_INTTYPES_H=1 -DHAVE_STDINT_H=1 -DHAVE_UNISTD_H=1 -DHAVE_DLFCN_H=1 -
DLT_OBDDIR="\.libs/" -DHAVE_STDLIB_H=1 -DHAVE_UNISTD_H=1 -DHAVE_GETPAGESIZE=1 -DHAVE_MEMCPY=1
-DHAVE_STRERROR=1 -DHAVE_UNISTD_H=1 -I. -I../binutils-2.28/zlib -g -O2 -c -o libz_a-inf
trees.o 'test -f 'infrees.c' || echo '../binutils-2.28/zlib/'infrees.c
checking for _fsetlocking... gcc -DPACKAGE_NAME="\ " -DPACKAGE_TARNAME="\ " -DPACKAGE_VERSION=
"\ " -DPACKAGE_STRING="\ " -DPACKAGE_BUGREPORT="\ " -DPACKAGE_URL="\ " -DPACKAGE="\zlib" -DVER
SION="1.1.4" -DSTDC_HEADERS=1 -DHAVE_SYS_TYPES_H=1 -DHAVE_SYS_STAT_H=1 -DHAVE_STDLIB_H=1 -DHA
VE_STRING_H=1 -DHAVE_MEMORY_H=1 -DHAVE_STRINGS_H=1 -DHAVE_INTTYPES_H=1 -DHAVE_STDINT_H=1 -DHA
VE_UNISTD_H=1 -DHAVE_DLFCN_H=1 -DLT_OBDDIR="\.libs/" -DHAVE_STDLIB_H=1 -DHAVE_UNISTD_H=1 -DHA
VE_GETPAGESIZE=1 -DHAVE_MEMCPY=1 -DHAVE_STRERROR=1 -DHAVE_UNISTD_H=1 -I. -I../binutils-2.28/zli
b -g -O2 -c -o libz_a-trees.o 'test -f 'trees.c' || echo '../binutils-2.28/zlib/'trees
.c
gcc -DPACKAGE_NAME="\ " -DPACKAGE_TARNAME="\ " -DPACKAGE_VERSION="\ " -DPACKAGE_STRING="\ " -DP
ACKAGE_BUGREPORT="\ " -DPACKAGE_URL="\ " -DPACKAGE="\zlib" -DVERSION="1.1.4" -DSTDC_HEADERS=
1 -DHAVE_SYS_TYPES_H=1 -DHAVE_SYS_STAT_H=1 -DHAVE_STDLIB_H=1 -DHAVE_STRING_H=1 -DHAVE_MEMORY_H=
1 -DHAVE_STRINGS_H=1 -DHAVE_INTTYPES_H=1 -DHAVE_STDINT_H=1 -DHAVE_UNISTD_H=1 -DHAVE_DLFCN_H=1 -
DLT_OBDDIR="\.libs/" -DHAVE_STDLIB_H=1 -DHAVE_UNISTD_H=1 -DHAVE_GETPAGESIZE=1 -DHAVE_MEMCPY=1
-DHAVE_STRERROR=1 -DHAVE_UNISTD_H=1 -I. -I../binutils-2.28/zlib -g -O2 -c -o libz_a-unc
ompr.o 'test -f 'uncompr.c' || echo '../binutils-2.28/zlib/'uncompr.c
gcc -DPACKAGE_NAME="\ " -DPACKAGE_TARNAME="\ " -DPACKAGE_VERSION="\ " -DPACKAGE_STRING="\ " -DP
ACKAGE_BUGREPORT="\ " -DPACKAGE_URL="\ " -DPACKAGE="\zlib" -DVERSION="1.1.4" -DSTDC_HEADERS=
1 -DHAVE_SYS_TYPES_H=1 -DHAVE_SYS_STAT_H=1 -DHAVE_STDLIB_H=1 -DHAVE_STRING_H=1 -DHAVE_MEMORY_H=
1 -DHAVE_STRINGS_H=1 -DHAVE_INTTYPES_H=1 -DHAVE_STDINT_H=1 -DHAVE_UNISTD_H=1 -DHAVE_DLFCN_H=1 -
DLT_OBDDIR="\.libs/" -DHAVE_STDLIB_H=1 -DHAVE_UNISTD_H=1 -DHAVE_GETPAGESIZE=1 -DHAVE_MEMCPY=1
-DHAVE_STRERROR=1 -DHAVE_UNISTD_H=1 -I. -I../binutils-2.28/zlib -g -O2 -c -o libz_a-zut
il.o 'test -f 'zutil.c' || echo '../binutils-2.28/zlib/'zutil.c
true "AR_FLAGS=rc" "CC_FOR_BUILD=gcc" "CFLAGS=-g -O2" "CXXFLAGS=-g -O2" "CFLAGS_FOR_BUILD=-g -O
2" "CFLAGS_FOR_TARGET=-g -O2" "INSTALL=/usr/bin/install -c" "INSTALL_DATA=/usr/bin/install -c -
m 644" "INSTALL_PROGRAM=/usr/bin/install -c" "INSTALL_SCRIPT=/usr/bin/install -c" "LDFLAGS=-sta
tic-libstdc++ -static-libgcc -Wl,--stack,12582912" "LIBCFLAGS=-g -O2" "LIBCFLAGS_FOR_TARGET=-g
-O2" "MAKE=make" "MAKEINFO=/home/build-gcc/binutils-2.28/missing makeinfo --split-size=5000000
--split-size=5000000" "PICFLAG=" "PICFLAG_FOR_TARGET=" "SHELL=/bin/sh" "EXPECT=expect" "RUNTES
T=runttest" "RUNTESTFLAGS=" "exec_prefix=/opt/cross-pi-gcc" "infodir=/opt/cross-pi-gcc/share/inf
o" "libdir=/opt/cross-pi-gcc/lib" "prefix=/opt/cross-pi-gcc" "tool_dir=/opt/cross-pi-gcc/arm-lin
ux-gnueabi" "AR=ar" "AS=as" "CC=gcc" "CXX=g++" "LD=/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/./././
././x86_64-pc-cygwin/bin/ld.exe" "LIBCFLAGS=-g -O2" "NM=nm" "PICFLAG=" "RANLIB=ranlib" "DEST
DIR=" DO=all multi-do # make
yes
yes
checking for iconv... rm -f libz.a
ar cru libz.a libz_a-adler32.o libz_a-compress.o libz_a-crc32.o libz_a-deflate.o libz_a-gzread.
o libz_a-gzclose.o libz_a-gzwrite.o libz_a-gzlib.o libz_a-inffast.o libz_a-inffast.o libz_a-inf
late.o libz_a-inftrees.o libz_a-trees.o libz_a-uncompr.o libz_a-zutil.o
checking for bsearch... ranlib libz.a
```



```
/home/build-gcc/build-binutils
yes
yes
checking for iconv... rm -f libz.a
ar cru libz.a libz_a-adler32.o libz_a-compress.o libz_a-crc32.o libz_a-deflate.o libz_a-gzread.
o libz_a-gzclose.o libz_a-gzwrite.o libz_a-gzlib.o libz_a-inffback.o libz_a-inffast.o libz_a-inf
late.o libz_a-inftrees.o libz_a-trees.o libz_a-uncompr.o libz_a-zutil.o
checking for bsearch... ranlib libz.a
make[2]: se sale del directorio '/home/build-gcc/build-binutils/zlib'
yes
no, consider installing GNU libiconv
checking for nl_langinfo and CODESET... checking for bzero... yes
checking for LC_MESSAGES... yes
checking for calloc... yes
checking for bison... bison
checking version of bison... 3.0.4, ok
checking whether NLS is requested... yes
checking whether included gettext is requested... no
checking for GNU gettext in libc... yes
no
checking for GNU gettext in libintl... checking for clock... no
checking whether to use NLS... yes
checking where the gettext function comes from... included intl directory
checking for acllocal... no
checking for autoconf... no
checking for autoheader... no
yes
checking for ffs... configure: updating cache ./config.cache
configure: creating ./config.status
yes
checking for getcwd... yes
checking for getpagesize... yes
checking for gettimeofday... yes
checking for index... config.status: creating Makefile
yes
config.status: creating config.intl
checking for insque... config.status: creating config.h
yes
config.status: executing default-1 commands
checking for memchr... yes
checking for memcmp... mkdir -p -- ./binutils
make[2]: se entra en el directorio '/home/build-gcc/build-binutils/intl'
rm -f stamp-h1
cp ../../binutils-2.28/intl/libgnuintl.h libintl.h
/bin/sh ./config.status config.h
Configuring in ./binutils
```

```
/home/build-gcc/build-binutils
checking for memmem... config.status: creating config.h
yes
config.status: config.h is unchanged
test -f config.h || (rm -f stamp-h1 && make stamp-h1)
checking for memmove... gcc -c -g -O2 -DHAVE_CONFIG_H -I. -I../binutils-2.28/intl ../binutils-2.28/intl/bindtextdom.c
gcc -c -g -O2 -DHAVE_CONFIG_H -I. -I../binutils-2.28/intl ../binutils-2.28/intl/dcgettext.c
gcc -c -g -O2 -DHAVE_CONFIG_H -I. -I../binutils-2.28/intl ../binutils-2.28/intl/dgettext.c
gcc -c -g -O2 -DHAVE_CONFIG_H -I. -I../binutils-2.28/intl ../binutils-2.28/intl/gettext.c
gcc -c -g -O2 -DHAVE_CONFIG_H -I. -I../binutils-2.28/intl ../binutils-2.28/intl/finddomain.c
gcc -c -g -O2 -DHAVE_CONFIG_H -I. -I../binutils-2.28/intl ../binutils-2.28/intl/loadmsgcat.c
gcc -c -g -O2 -DHAVE_CONFIG_H -DLOCALE_ALIAS_PATH="/opt/cross-pi-gcc/share/locale/" -I. -I../binutils-2.28/intl ../binutils-2.28/intl/localealias.c
gcc -c -g -O2 -DHAVE_CONFIG_H -I. -I../binutils-2.28/intl ../binutils-2.28/intl/textdomain.c
gcc -c -g -O2 -DHAVE_CONFIG_H -I. -I../binutils-2.28/intl ../binutils-2.28/intl/l10nflist.c
gcc -c -g -O2 -DHAVE_CONFIG_H -I. -I../binutils-2.28/intl ../binutils-2.28/intl/explode_name.c
gcc -c -g -O2 -DHAVE_CONFIG_H -DLOCALEDIR="/opt/cross-pi-gcc/share/locale/" -I. -I../binutils-2.28/intl ../binutils-2.28/intl/dcgettext.c
yes
gcc -c -g -O2 -DHAVE_CONFIG_H -I. -I../binutils-2.28/intl ../binutils-2.28/intl/dcngettext.c
gcc -c -g -O2 -DHAVE_CONFIG_H -I. -I../binutils-2.28/intl ../binutils-2.28/intl/dngettext.c
gcc -c -g -O2 -DHAVE_CONFIG_H -I. -I../binutils-2.28/intl ../binutils-2.28/intl/ngettext.c
gcc -c -g -O2 -DHAVE_CONFIG_H -I. -I../binutils-2.28/intl ../binutils-2.28/intl/plural.c
gcc -c -g -O2 -DHAVE_CONFIG_H -I. -I../binutils-2.28/intl ../binutils-2.28/intl/plural-exp.c
gcc -c -g -O2 -DHAVE_CONFIG_H -DLIBDIR="/opt/cross-pi-gcc/lib/" -I. -I../binutils-2.28/intl ../binutils-2.28/intl/localcharset.c
checking for mempcpy... gcc -c -g -O2 -DHAVE_CONFIG_H -DINSTALLDIR="/opt/cross-pi-gcc/lib/" -I. -I../binutils-2.28/intl ../binutils-2.28/intl/relocatable.c
gcc -c -g -O2 -DHAVE_CONFIG_H -I. -I../binutils-2.28/intl ../binutils-2.28/intl/localename.c
gcc -c -g -O2 -DHAVE_CONFIG_H -I. -I../binutils-2.28/intl ../binutils-2.28/intl/log.c
gcc -c -g -O2 -DHAVE_CONFIG_H -I. -I../binutils-2.28/intl ../binutils-2.28/intl/osdep.c
```

```
/home/build-gcc/build-binutils
checking for ANSI C header files... yes
checking for strtod... gcc3
checking for grep that handles long lines and -e... yes
/usr/bin/grep
checking how to run the C preprocessor... checking for strtoul... gcc -E
yes
yes
checking for sys/types.h... yes
checking for sys/types.h... checking for egrep... checking for strtoul... /usr/bin/grep -E
checking for ANSI C header files... yes
yes
yes
checking for sys/stat.h... checking for sys/types.h... checking for sys/stat.h... yes
yes
yes
checking for strtoll... checking for stdlib.h... checking for sys/stat.h... checking for stdlib.h... yes
yes
yes
checking for strtoull... checking for string.h... checking for stdlib.h... checking for string.h... yes
yes
yes
checking for memory.h... checking for string.h... checking for memory.h... checking for strverscmp... yes
yes
yes
checking for memory.h... checking for strings.h... checking for strings.h... yes
checking for sys/types.h... checking for tmpnam... yes
yes
yes
checking for strings.h... yes
checking for inttypes.h... checking for sys/stat.h... yes
checking for vasprintf... yes
yes
yes
checking for inttypes.h... checking for stdint.h... checking for stdint.h... checking for stdlib.h... yes
yes
checking for vprintf... yes
yes
yes
checking for stdint.h... checking for unistd.h... checking for unistd.h... checking for string.h... yes
yes
yes
checking for unistd.h... yes
yes
checking minix/config.h usability... checking minix/config.h usability... checking for memory.h... checking for vprintf... yes
no
checking minix/config.h presence... checking minix/config.h usability... yes
no
checking minix/config.h presence... checking for strings.h... yes
no
checking for minix/config.h... no
```

```
/home/build-gcc/build-binutils
checking minix/config.h usability... checking minix/config.h usability... checking for memory.h... checking for vprintf... yes
no
checking minix/config.h presence... checking minix/config.h usability... yes
no
checking minix/config.h presence... checking for strings.h... yes
no
checking for minix/config.h... no
checking whether it is safe to define __EXTENSIONS__... no
checking minix/config.h presence... no
checking for minix/config.h... no
checking whether it is safe to define __EXTENSIONS__... checking for vsnprintf... yes
yes
checking how to print strings... no
printf
checking for minix/config.h... checking for a sed that does not truncate output... no
checking whether it is safe to define __EXTENSIONS__... yes
/usr/bin/sed
checking how to print strings... checking for fgrep... checking for inttypes.h... /usr/bin/grep -F
checking for ld used by gcc... printf
checking for a sed that does not truncate output... /usr/bin/sed
yes
checking how to print strings... checking for fgrep... yes
/usr/bin/grep -F
checking for ld used by gcc... printf
checking for a sed that does not truncate output... yes
/usr/bin/sed
checking for fgrep... /usr/bin/grep -F
checking for ld used by gcc... checking for vsprintf... checking for stdint.h... /usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../
/x86_64-pc-cygwin/bin/ld.exe
checking if the linker /usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe is GNU ld... yes
yes
checking for BSD- or MS-compatible name lister (nm)... nm
checking the name lister (nm) interface... yes
checking for unistd.h... /usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe
checking if the linker /usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe is GNU ld... yes
checking for BSD- or MS-compatible name lister (nm)... nm
checking the name lister (nm) interface... /usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe
checking if the linker /usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe is GNU ld... yes
checking for waitpid... yes
checking for BSD- or MS-compatible name lister (nm)... nm
checking the name lister (nm) interface... checking minix/config.h usability... BSD nm
checking whether ln -s works... yes
checking the maximum length of command line arguments... 8192
checking whether the shell understands some XSI constructs... yes
checking whether the shell understands "+="... yes
BSD nm
checking whether ln -s works... yes
checking the maximum length of command line arguments... 8192
checking whether the shell understands some XSI constructs... yes
checking whether the shell understands "+="... yes
checking for /usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe option to reload object files... -r
checking for x86_64-unknown-cygwin-objdump... objdump
checking how to recognize dependent libraries... file_magic \x86 archive import|\x86 DLL
checking for x86_64-unknown-cygwin-ar... ar
checking for x86_64-unknown-cygwin-strip... no
```

```
/home/build-gcc/build-binutils
checking for strip... strip
checking for x86_64-unknown-cygwin-ranlib... ranlib
checking command to parse nm output from gcc object... yes
no
checking minix/config.h presence... checking for /usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe opt
ion to reload object files... -r
checking for x86_64-unknown-cygwin-objdump... objdump
checking how to recognize dependent libraries... file_magic \x86 archive import|\x86 DLL
checking for x86_64-unknown-cygwin-ar... ar
checking for x86_64-unknown-cygwin-strip... no
checking for strip... strip
checking for x86_64-unknown-cygwin-ranlib... ranlib
checking command to parse nm output from gcc object... BSD nm
checking whether ln -s works... yes
checking the maximum length of command line arguments... 8192
checking whether the shell understands some XSI constructs... yes
checking whether the shell understands "+="... yes
checking for setproctitle... checking for /usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe option to
reload object files... -r
checking for x86_64-unknown-cygwin-objdump... objdump
checking how to recognize dependent libraries... file_magic \x86 archive import|\x86 DLL
checking for x86_64-unknown-cygwin-ar... ar
checking for x86_64-unknown-cygwin-strip... no
checking for strip... strip
checking for x86_64-unknown-cygwin-ranlib... ranlib
checking command to parse nm output from gcc object... no
checking for minix/config.h... no
checking whether it is safe to define __EXTENSIONS__... yes
no
checking whether alloca needs Cray hooks... checking how to print strings... printf
checking for a sed that does not truncate output... /usr/bin/sed
no
checking stack direction for C alloca... checking for fgrep... /usr/bin/grep -F
checking for ld used by gcc... ok
checking for dlfcn.h... ok
checking for dlfcn.h... ok
checking for dlfcn.h... yes
checking for objdir... yes
yes
checking for objdir... checking for objdir... .libs
.libs
.libs
/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe
checking if the linker /usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe is GNU ld... yes
checking for BSD- or MS-compatible name lister (nm)... nm
checking the name lister (nm) interface... -l
BSD nm
checking whether ln -s works... yes
checking the maximum length of command line arguments... 8192
checking whether the shell understands some XSI constructs... checking if gcc supports -fno-rtti -fno-exceptions... yes
checking whether the shell understands "+="... checking for vfork.h... yes
checking if gcc supports -fno-rtti -fno-exceptions... checking if gcc supports -fno-rtti -fno-exceptions... checking for /usr/li
b/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe option to reload object files... -r
checking for x86_64-unknown-cygwin-objdump... objdump
checking how to recognize dependent libraries... file_magic \x86 archive import|\x86 DLL
```

```
/home/build-gcc/build-binutils
checking for x86_64-unknown-cygwin-strip... no
checking for strip... strip
checking for x86_64-unknown-cygwin-ranlib... ranlib
checking command to parse nm output from gcc object... no
checking for fork... no
checking for gcc option to produce PIC... -DOLL_EXPORT -DPIC
checking if gcc PIC flag -DOLL_EXPORT -DPIC works... no
checking for gcc option to produce PIC... -DOLL_EXPORT -DPIC
checking if gcc PIC flag -DOLL_EXPORT -DPIC works... no
checking for gcc option to produce PIC... -DOLL_EXPORT -DPIC
checking if gcc PIC flag -DOLL_EXPORT -DPIC works... yes
checking if gcc static flag -static works... yes
checking if gcc static flag -static works... yes
checking if gcc supports -c -o file.o... yes
yes
checking if gcc static flag -static works... yes
checking if gcc supports -c -o file.o... checking for vfork... ok
checking for dlfcn.h... yes
checking if gcc supports -c -o file.o... yes
checking for objdir... yes
libs
checking for working fork... yes
checking if gcc supports -c -o file.o... (cached) yes
checking whether the gcc linker (/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe) supports shared libraries... yes
checking whether -lc should be explicitly linked in... yes
checking if gcc supports -c -o file.o... (cached) yes
checking whether the gcc linker (/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe) supports shared libraries... yes
checking if gcc supports -c -o file.o... (cached) yes
checking whether the gcc linker (/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe) supports shared libraries... yes
checking whether -lc should be explicitly linked in... yes
checking whether -lc should be explicitly linked in... yes
checking dynamic linker characteristics... checking if gcc supports -fno-rtti -fno-exceptions... yes
checking dynamic linker characteristics... yes
checking dynamic linker characteristics... Win32 ld.exe
checking how to hardcode library paths into programs... immediate
checking whether stripping libraries is possible... yes
checking if libtool supports shared libraries... yes
checking whether to build shared libraries... yes
checking whether to build static libraries... yes
checking for dlfcn.h... (cached) yes
checking for windows.h... no
checking for gcc option to produce PIC... -DOLL_EXPORT -DPIC
checking if gcc PIC flag -DOLL_EXPORT -DPIC works... Win32 ld.exe
checking how to hardcode library paths into programs... immediate
checking whether stripping libraries is possible... yes
checking if libtool supports shared libraries... yes
checking whether to build shared libraries... yes
checking whether to build static libraries... yes
checking for dlfcn.h... (cached) yes
checking for windows.h... Win32 ld.exe
checking how to hardcode library paths into programs... immediate
checking whether stripping libraries is possible... yes
```

```
/home/build-gcc/build-binutils
checking for gcc option to produce PIC... -DOLL_EXPORT -DPIC
checking if gcc PIC flag -DOLL_EXPORT -DPIC works... Win32 ld.exe
checking how to hardcode library paths into programs... immediate
checking whether stripping libraries is possible... yes
checking if libtool supports shared libraries... yes
checking whether to build shared libraries... yes
checking whether to build static libraries... yes
checking for dlfcn.h... (cached) yes
checking for windows.h... Win32 ld.exe
checking how to hardcode library paths into programs... immediate
checking whether stripping libraries is possible... yes
checking if libtool supports shared libraries... yes
checking whether to build shared libraries... yes
checking whether to build static libraries... yes
checking for dlfcn.h... (cached) yes
checking for windows.h... yes
checking if gcc static flag -static works... yes
checking if gcc supports -c -o file.o... yes
checking for working vfork... (cached) yes
checking for _doprint... yes
yes
checking for library containing dlopen... checking for library containing dlopen... yes
checking for library containing dlopen... no
checking for sys_errlist... none required
checking for special C compiler options needed for large files... no
checking for _FILE_OFFSET_BITS value needed for large files... none required
checking for special C compiler options needed for large files... no
checking for _FILE_OFFSET_BITS value needed for large files... none required
checking for special C compiler options needed for large files... no
checking for _FILE_OFFSET_BITS value needed for large files... yes
checking if gcc supports -c -o file.o... (cached) yes
checking whether the gcc linker (/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe) supports shared libraries... no
no
checking for setmode... yes
checking how to compare bootstrapped objects... no
yes
checking whether -lc should be explicitly linked in... checking for sys_nerr... cmp --ignore-initial=16 $sf1 $sf2
no
checking whether NLS is requested... yes
checking for catalogs to be installed... yes
yes
checking dynamic linker characteristics... checking for sys_siglist... Win32 ld.exe
checking how to hardcode library paths into programs... immediate
checking whether stripping libraries is possible... Setting warning flags = -W -Wall -Wstrict-prototypes -Wmissing-prototypes -Wshadow -Wstack-usage=262144
checking for bison... bison -y
checking for Flex... /home/build-gcc/binutils-2.28/missing flex
checking whether NLS is requested... yes
checking for catalogs to be installed... yes
checking if libtool supports shared libraries... yes
checking whether to build shared libraries... yes
checking whether to build static libraries... yes
yes
checking how to run the C++ preprocessor... checking for external symbol _system_configuration... Setting warning flags = -W -Wall -Wstrict-prototypes -Wmissing-prototypes -Wshadow -Wstack-usage=262144
checking whether byte ordering is bigendian... no
```

```
/home/build-gcc/build-binutils
checking whether byte ordering is bigendian... no
checking for __fsetlocking... g++ -E
yes
no
checking for canonicalize_file_name... yes
checking for bison... bison -y
checking for flex... /home/build-gcc/binutils-2.28/missing flex
checking whether NLS is requested... yes
checking for catalogs to be installed... checking for ld used by g++... checking for dup3... yes
checking for getrlimit... /usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe
checking if the linker (/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe) is GNU ld... yes
checking whether the g++ linker (/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe) supports shared libraries... yes
checking for getrusage... checking for g++ option to produce PIC... -DDLL_EXPORT -DPIC
checking if g++ PIC flag -DDLL_EXPORT -DPIC works... yes
checking if g++ static flag -static works... yes
checking if g++ supports -c -o file.o... no
checking for gettimeofday... (cached) yes
checking for on_exit... yes
checking if g++ supports -c -o file.o... (cached) yes
checking whether the g++ linker (/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe) supports shared libraries... yes
checking dynamic linker characteristics... win32 ld.exe
checking how to hardcode library paths into programs... immediate
checking for dlfcn.h... (cached) yes
checking for windows.h... es fi fr id ja ru rw tr uk zh_CN es fi fr id ja ru rw tr uk zh_CN
checking whether NLS is requested... yes
yes
checking for msgfmt... no
checking for gmsgfmt... :
checking for pgettext... checking for xgettext... no
checking for msgmerge... no
checking whether to enable maintainer-specific portions of Makefiles... no
checking for string.h... (cached) yes
yes
checking for library containing dlopen... yes
checking for stdlib.h... (cached) yes
checking for pstat_getdynamic... checking for memory.h... (cached) yes
none required
checking for special C compiler options needed for large files... no
checking for _FILE_OFFSET_BITS value needed for large files... no
checking for strings.h... (cached) yes
checking for unistd.h... (cached) yes
no
bg ca da es fi fr hr id it ja ro ru rw sk sr sv tr uk vi zh_CN zh_TW bg ca da es fi fr hr id it ja ro ru rw sk sr sv tr uk vi zh_CN zh_TW
checking whether NLS is requested... yes
bg da de eo es fi fr ga hu id it ja ms nl pt_BR ro ru rw sr sv tr uk vi bg da de eo es fi fr ga hu id it ja ms nl pt_BR ro ru rw sr sv tr uk vi
checking whether NLS is requested... yes
checking for pstat_getstatic... checking for msgfmt... no
checking for gmsgfmt... :
checking for msgfmt... no
checking for gmsgfmt... :
checking for errno.h usability... checking for xgettext... no
checking for xgettext... no
checking for msgmerge... no
checking whether to enable maintainer-specific portions of Makefiles... no
checking for msgmerge... no
checking whether to enable maintainer-specific portions of Makefiles... no
checking sys/gmon_out.h usability... checking for x86_64-unknown-cygwin-ranlib... (cached) ranlib
checking size of long... yes
checking errno.h presence... Setting warning flags = -W -Wall -Wstrict-prototypes -Wmissing-prototypes -Wshadow -Wstack-usage=262144
checking for LC_MESSAGES... no
yes
checking for errno.h... yes
checking for realpath... no
checking sys/gmon_out.h presence... yes
checking whether NLS is requested... yes
checking for catalogs to be installed... checking for sys/types.h... (cached) yes
yes
checking limits.h usability... no
checking for sys/gmon_out.h... no
checking for a known getopt prototype in unistd.h... checking for setrlimit... yes
checking limits.h presence... yes
checking for library containing fabs... yes
checking for limits.h... yes
yes
checking locale.h usability... checking for sbrk... none required
yes
checking locale.h presence... yes
checking for locale.h... yes
yes
checking time.h usability... 8
checking for long long... checking for spawnve... yes
checking time.h presence... Setting warning flags = -W -Wall -Wstrict-prototypes -Wmissing-prototypes -Wshadow -Wstack-usage=262144
yes
yes
checking for time.h... yes
yes
configure: updating cache ./config.cache
checking size of long long... checking for spawnve... checking for sys/stat.h... (cached) yes
configure: creating ./config.status
checking whether string.h and strings.h may both be included... yes
yes
checking whether compiling a cross-assembler... yes
```

```
/home/build-gcc/build-binutils
checking for special C compiler options needed for large files... no
checking for _FILE_OFFSET_BITS value needed for large files... no
checking for string.h... (cached) yes
checking for unistd.h... (cached) yes
no
bg ca da es fi fr hr id it ja ro ru rw sk sr sv tr uk vi zh_CN zh_TW bg ca da es fi fr hr id it ja ro ru rw sk sr sv tr uk vi zh_CN zh_TW
checking whether NLS is requested... yes
bg da de eo es fi fr ga hu id it ja ms nl pt_BR ro ru rw sr sv tr uk vi bg da de eo es fi fr ga hu id it ja ms nl pt_BR ro ru rw sr sv tr uk vi
checking whether NLS is requested... yes
checking for pstat_getstatic... checking for msgfmt... no
checking for gmsgfmt... :
checking for msgfmt... no
checking for gmsgfmt... :
checking for errno.h usability... checking for xgettext... no
checking for xgettext... no
checking for msgmerge... no
checking whether to enable maintainer-specific portions of Makefiles... no
checking for msgmerge... no
checking whether to enable maintainer-specific portions of Makefiles... no
checking sys/gmon_out.h usability... checking for x86_64-unknown-cygwin-ranlib... (cached) ranlib
checking size of long... yes
checking errno.h presence... Setting warning flags = -W -Wall -Wstrict-prototypes -Wmissing-prototypes -Wshadow -Wstack-usage=262144
checking for LC_MESSAGES... no
yes
checking for errno.h... yes
checking for realpath... no
checking sys/gmon_out.h presence... yes
checking whether NLS is requested... yes
checking for catalogs to be installed... checking for sys/types.h... (cached) yes
yes
checking limits.h usability... no
checking for sys/gmon_out.h... no
checking for a known getopt prototype in unistd.h... checking for setrlimit... yes
checking limits.h presence... yes
checking for library containing fabs... yes
checking for limits.h... yes
yes
checking locale.h usability... checking for sbrk... none required
yes
checking locale.h presence... yes
checking for locale.h... yes
yes
checking time.h usability... 8
checking for long long... checking for spawnve... yes
checking time.h presence... Setting warning flags = -W -Wall -Wstrict-prototypes -Wmissing-prototypes -Wshadow -Wstack-usage=262144
yes
yes
checking for time.h... yes
yes
configure: updating cache ./config.cache
checking size of long long... checking for spawnve... checking for sys/stat.h... (cached) yes
configure: creating ./config.status
checking whether string.h and strings.h may both be included... yes
yes
checking whether compiling a cross-assembler... yes
```

```
/home/build-gcc/build-binutils
checking elf-hints.h usability... checking sys/file.h usability... no
no
checking elf-hints.h presence... checking for times... yes
checking sys/file.h presence... yes
checking whether declaration is required for errno... yes
checking for sys/file.h... yes
no
checking for elf-hints.h... no
yes
checking limits.h usability... checking limits.h usability... no
checking for a known getopt prototype in unistd.h... checking for wait3... yes
checking limits.h presence... yes
checking whether declaration is required for environ... yes
checking limits.h presence... yes
checking for limits.h... yes
yes
checking for limits.h... yes
yes
checking locale.h usability... checking locale.h usability... no
checking whether declaration is required for ffs... checking for wait4... yes
checking locale.h presence... yes
checking locale.h presence... yes
checking for locale.h... yes
yes
checking for locale.h... yes
no
checking whether declaration is required for free... checking sys/param.h usability... yes
checking sys/param.h usability... yes
checking sys/param.h presence... yes
checking for sys/param.h... yes
no
checking whether declaration is required for malloc... yes
checking sys/param.h presence... checking whether basename is declared... yes
checking for sys/param.h... yes
checking fcntl.h usability... yes
checking wchar.h usability... no
checking whether declaration is required for sbrk... yes
checking fcntl.h presence... checking whether ffs is declared... yes
checking wchar.h presence... yes
checking for fcntl.h... yes
yes
yes
checking for wchar.h... yes
no
checking whether declaration is required for strstr... checking sys/file.h usability... checking for sys/wait.h that is POSIX.1 compatible... checking whether asprintf is de
clared... yes
checking sys/file.h presence... yes
yes
checking whether string.h and strings.h may both be included... no
yes
checking for sys/file.h... yes
checking whether vasprintf is declared... checking whether free is declared... yes
checking for working alloca.h... checking sys/time.h usability... yes
yes
checking whether snprintf is declared... yes
```

```
/home/build-gcc/build-binutils
checking whether realloc is declared... yes
checking for setmode... checking whether stpcpy is declared... yes
yes
checking whether sbrk is declared... yes
checking for realpath... checking whether strstr is declared... no
yes
checking for getc_unlocked... yes
checking whether strtol is declared... yes
checking for sbrk... yes
yes
checking whether vsnprintf is declared... checking whether strtoul is declared... checking for strcoll... yes
yes
yes
checking for setlocale... checking whether asprintf is declared... yes
checking whether strtoll is declared... yes
checking for struct tm.tm_gmtoff in time.h... checking for setlocale... yes
yes
yes
checking for struct stat.st_mtim.tv_sec in sys/stat.h... checking for waitpid... checking whether strtoull is declared... yes
checking for struct stat.st_mtim.tv_nsec in sys/stat.h... yes
yes
checking for mktime... yes
yes
checking for open... checking whether strverscmp is declared... configure: updating cache ./config.cache
configure: creating ./config.status
yes
checking for mkdtemp... yes
checking whether canonicalize_file_name must be declared... yes
checking for lseek... yes
checking for mbstate_t... no
checking for stdlib.h... (cached) yes
yes
checking for library containing frexp... checking for unistd.h... (cached) yes
yes
checking for getpagesize... (cached) yes
checking for working mmap... checking for close... none required
checking for LC_MESSAGES... config.status: creating Makefile
yes
checking for dirent.h that defines DIR... yes
checking for time_t in time.h... yes
config.status: creating po/Makefile.in
yes
checking for time_t in sys/types.h... checking for library containing opendir... no
checking for working strncmp... yes
checking for a known getopt prototype in unistd.h... none required
yes
checking for utime.h... config.status: creating gconfig.h
checking for stdlib.h... (cached) yes
yes
checking for unistd.h... (cached) yes
config.status: executing depfiles commands
checking whether environ is declared... checking for getpagesize... yes
yes
checking for working mmap... checking whether fprintf is declared... yes
yes
```

```
/home/build-gcc/build-binutils
checking for ld used by GCC... yes
checking size of void *** config.status: executing default commands
/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe
checking if the linker /usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe is GNU ld... yes
checking for shared library run path origin... mkdir -p -- ./bfd
mkdir -p -- ./opcodes
Configuring in ./bfd
Configuring in ./opcodes
make[2]: se entra en el directorio '/home/build-gcc/build-binutils/libiberty'
if [ x"" != x ] && [ ! -d pic ]; then \
  mkdir pic; \
else true; fi
if [ x"" != x ] && [ ! -d noasan ]; then \
  mkdir noasan; \
else true; fi
done
echo ./regex.o ./cplus-dem.o ./cp-demangle.o ./md5.o ./sha1.o ./alloca.o ./argv.o ./choose-temp.o ./concat.o ./cp-demint.o ./crc32.o ./d-demangle.o ./dwarfnames.o ./dyn-str-
ng.o ./fdmatch.o ./fibheap.o ./filename_cmp.o ./floatformat.o ./fnmatch.o ./fopen_unlocked.o ./getopt.o ./getopt1.o ./getpwd.o ./getruntime.o ./hashtab.o ./hex.o ./libasename
.o ./realpath.o ./make-relative-prefix.o ./make-temp-file.o ./obstack.o ./partition.o ./pexecute.o ./physmem.o ./pex-common.o ./pex-one.o ./pex-unix.o ./pprint
f-support.o ./rust-demangle.o ./safe-ctype.o ./simple-object-coff.o ./simple-object-elf.o ./simple-object-mach.o ./simple-object-xcoff.o ./sort.o ./space
.s.o ./splay-tree.o ./stack-limit.o ./strerror.o ./strsignal.o ./timeval-utils.o ./unlink-if-ordinary.o ./xasprintf.o ./xatexit.o ./xexit.o ./xmalloc.o ./xmempdup.o ./xstrdup
.o ./xstrerror.o ./xstrndup.o ./xvasprintf.o > required-list
8
checking for iconv... touch stamp-picdir
touch stamp-noasandir
if [ x"" != x ]; then \
  gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_S
OURCE ../binutils-2.28/libiberty/regex.c -o pic/regex.o; \
else true; fi
if [ x"" != x ]; then \
  gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_S
OURCE ../binutils-2.28/libiberty/cplus-dem.c -o pic/cplus-dem.o; \
else true; fi
if [ x"" != x ]; then \
  gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_S
OURCE ../binutils-2.28/libiberty/regex.c -o noasan/regex.o; \
else true; fi
if [ x"" != x ]; then \
  gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_S
OURCE ../binutils-2.28/libiberty/cplus-dem.c -o noasan/cplus-dem.o; \
else true; fi
make[3]: se entra en el directorio '/home/build-gcc/build-binutils/libiberty/testsuite'
make[3]: No se hace nada para 'all'
make[3]: se sale del directorio '/home/build-gcc/build-binutils/libiberty/testsuite'
if [ x"" != x ]; then \
  gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_S
OURCE ../binutils-2.28/libiberty/cp-demangle.c -o pic/cp-demangle.o; \
else true; fi
gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_SOU
RCE ../binutils-2.28/libiberty/regex.c -o regex.o
gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_SOU
RCE ../binutils-2.28/libiberty/cplus-dem.c -o cplus-dem.o
if [ x"" != x ]; then \
  gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_S
SOURCE ../binutils-2.28/libiberty/cp-demangle.c -o noasan/cp-demangle.o; \
else true; fi
```

```
/home/build-gcc/build-binutils
SOURCE ../binutils-2.28/libiberty/cp-demangle.c -o pic/cp-demangle.o; \
else true; fi
gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_SOU
RCE ../binutils-2.28/libiberty/regex.c -o regex.o
gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_SOU
RCE ../binutils-2.28/libiberty/cplus-dem.c -o cplus-dem.o
if [ x"" != x ]; then \
  gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_S
OURCE ../binutils-2.28/libiberty/cp-demangle.c -o noasan/cp-demangle.o; \
else true; fi
gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_SOU
RCE ../binutils-2.28/libiberty/cp-demangle.c -o cp-demangle.o
configure: updating cache ./config.cache
no, consider installing GNU libiconv
configure: creating ./config.status
if [ x"" != x ]; then \
  gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_S
OURCE ../binutils-2.28/libiberty/md5.c -o pic/md5.o; \
else true; fi
if [ x"" != x ]; then \
  gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_S
OURCE ../binutils-2.28/libiberty/sha1.c -o pic/sha1.o; \
else true; fi
if [ x"" != x ]; then \
  gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_S
OURCE ../binutils-2.28/libiberty/md5.c -o noasan/md5.o; \
else true; fi
if [ x"" != x ]; then \
  gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_S
SOURCE ../binutils-2.28/libiberty/sha1.c -o noasan/sha1.o; \
else true; fi
configure: updating cache ./config.cache
gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_SOU
RCE ../binutils-2.28/libiberty/md5.c -o md5.o
configure: creating ./config.status
gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_SOU
RCE ../binutils-2.28/libiberty/sha1.c -o sha1.o
if [ x"" != x ]; then \
  gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_S
SOURCE ../binutils-2.28/libiberty/alloca.c -o pic/alloca.o; \
else true; fi
if [ x"" != x ]; then \
  gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_S
SOURCE ../binutils-2.28/libiberty/argv.c -o pic/argv.o; \
else true; fi
if [ x"" != x ]; then \
  gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_S
SOURCE ../binutils-2.28/libiberty/alloca.c -o noasan/alloca.o; \
else true; fi
if [ x"" != x ]; then \
  gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_S
SOURCE ../binutils-2.28/libiberty/argv.c -o noasan/argv.o; \
else true; fi
if [ x"" != x ]; then \
  gcc -c -DHAVE_CONFIG_H -g -O2 -I. -I./../binutils-2.28/libiberty/./include -W -Wall -Wwrite-strings -Wc++-compat -Wstrict-prototypes -Wshadow=local -pedantic -D_GNU_S
```









[illegible]

```
homebuild-gcc-build-binutils
checking for __cxa_atexit... yes
checking for x86_64-unknown-cygwin-ranlib... (cached) ranlib
checking command to parse an object from gcc object... config.status: creating po/POFILES
config.status: creating po/Makefile
checking for dlfcn.h... ok
checking for dlfcn.h... yes
checking for objdir... .libs
checking for objdir... .libs
checking if gcc supports -fno-rtti -fno-exceptions... checking if gcc supports -fno-rtti -fno-exceptions... no
checking for gcc option to produce PIC... -DGL_EXPORT -DPIC
checking if gcc PIC flag -DGL_EXPORT -DPIC works... no
checking for gcc option to produce PIC... -DGL_EXPORT -DPIC
checking if gcc PIC flag -DGL_EXPORT -DPIC works... yes
checking if gcc static flag -static works... yes
checking if gcc supports -c -o file.o... yes
checking if gcc supports -c -o file.o... yes
checking if gcc supports -c -o file.o... yes
checking if gcc supports -c -o file.o... (cached) yes
checking whether the gcc linker (/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe) supports shared libraries... yes
checking dynamic linker characteristics... yes
checking whether the gcc linker (/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe) supports shared libraries... yes
checking dynamic linker characteristics... no? ld.exe
checking how to hardcode library paths into programs... immediate
checking whether a program can dlopen itself... no? ld.exe
checking how to hardcode library paths into programs... immediate
checking whether stripping libraries is possible... yes
checking if libtool supports shared libraries... yes
checking whether to build shared libraries... yes
checking whether to build static libraries... yes
setting warning flags -W -Wall -strict-prototypes -missing-prototypes -Wshadow -Wstack-usage=262344
checking whether gcc supports -missing-field-initializers... yes
checking whether to enable maintainer-specific portions of Makefiles... no
checking whether to install libbfd... no
checking whether M5 is requested... yes
checking for catalogs to be installed... yes
checking whether a statically linked program can dlopen itself... yes
checking whether stripping libraries is possible... yes
checking if libtool supports shared libraries... yes
checking whether to build shared libraries... yes
checking whether to build static libraries... yes
checking for dlfcn.h... (cached) yes
checking for windows.h... yes
checking for library containing dlopen... none required
checking for malloc.c compiler options needed for large files... no
checking for _FILE_OFFSET_BITS value needed for large files... no
da de es fi fr ga id it al pt_BR ro sv tr uk vi zh_CN
checking whether M5 is requested... yes
checking for msvcrt... no
checking for gmprtf... i
checking for wapiext... no
checking for msvcrt... no
setting warning flags -W -Wall -strict-prototypes -missing-prototypes -Wshadow -Wstack-usage=262344
checking whether to enable maintainer-specific portions of Makefiles... no
checking whether to install libbfd... no
checking whether M5 is requested... yes
checking for catalogs to be installed... checking for string.h... (cached) yes
checking for strings.h... (cached) yes
checking for stdlib.h... (cached) yes
checking libintl.h usability... yes
checking libintl.h presence... yes
checking for libintl.h... yes
checking whether string.h and strings.h may both be included... yes
checking whether basename is declared... yes
checking whether strcasecmp is declared... yes
checking whether strdup is declared... yes
checking for strdup... yes
checking linker --as-needed support... yes
configure: updating cache ./config.cache
configure: creating ./config.status
```

```
homebuild-gcc-build-binutils
checking whether to install libbfd... no
checking whether M5 is requested... yes
checking for catalogs to be installed... checking for string.h... (cached) yes
checking for strings.h... (cached) yes
checking for stdlib.h... (cached) yes
checking libintl.h usability... yes
checking libintl.h presence... yes
checking for libintl.h... yes
checking whether string.h and strings.h may both be included... yes
checking whether basename is declared... yes
checking whether strcasecmp is declared... yes
checking for strdup... yes
checking linker --as-needed support... yes
configure: updating cache ./config.cache
configure: creating ./config.status
da es fi fr id ja ru ro sv tr uk vi zh_CN
checking whether M5 is requested... yes
checking for msvcrt... no
checking for gmprtf... i
checking for wapiext... no
checking for msvcrt... no
checking size of long time... 8
checking size of void "...8
checking size of long... config.status: executing libtool commands
checking alloca.h usability... yes
checking alloca.h presence... config.status: executing default-i commands
yes
checking for alloca.h... yes
config.status: creating po/POFILES
checking stdddef.h usability... config.status: creating po/Makefile
yes
checking stdddef.h presence... yes
checking for stdddef.h... yes
checking for string.h... (cached) yes
checking for strings.h... (cached) yes
checking for stdlib.h... (cached) yes
checking time.h usability... yes
checking time.h presence... yes
checking for time.h... yes
checking for strftime... (cached) yes
checking uchar.h usability... yes
checking uchar.h presence... yes
checking for uchar.h... yes
checking wctype.h usability... yes
checking wctype.h presence... yes
checking for wctype.h... yes
checking fcntl.h usability... yes
checking fcntl.h presence... yes
checking for fcntl.h... yes
checking sys/file.h usability... yes
checking sys/file.h presence... yes
checking for sys/file.h... yes
checking sys/time.h usability... yes
checking sys/time.h presence... yes
checking for sys/time.h... yes
checking sys/time.h... yes
checking for sys/stat.h... (cached) yes
checking sys/resource.h usability... yes
checking sys/resource.h presence... yes
checking for sys/resource.h... yes
looking for a compiled stdint.h in stdint.h, checking for uintmax_t... yes
checking for uintptr_t... config.status: creating Makefile
yes
checking for int_least32_t... config.status: creating po/Makefile.in
config.status: creating config.h
yes
checking for int_fast32_t... config.status: executing default-i commands
yes
checking for windows.h... yes
checking what to include in bfd_stdint.h... stdint.h (already complete)
checking whether time.h and sys/time.h may both be included... yes
```

```

C:\home\build-gcc-build\bin
checking for strings.h... checking for strings.h... yes
yes
checking for inttypes.h... checking for inttypes.h... yes
yes
checking for stdint.h... checking for stdint.h... yes
checking for uint8.h... yes
checking for uint16.h... yes
config.status: creating Makefile
checking mini/config.h usability... yes
checking mini/config.h usability... config.status: creating po/Makefile.in
checking mini/config.h presence... no
checking mini/config.h presence... no
checking for mini/config.h... no
checking whether it is safe to define __EXTENSION__... yes
checking for mini/config.h... no
checking whether it is safe to define __EXTENSION__... checking how to print strings... config.status: creating config.h
printf
checking for a sed that does not truncate output... /usr/bin/sed
checking for fgrep... yes
checking for x86_64-unknown-cygwin-ar... ar
checking for x86_64-unknown-cygwin-ranlib... ranlib
checking how to print strings... /usr/bin/grep -F
checking for ld used by gcc... config.status: executing ldfiles commands
printf
checking for a sed that does not truncate output... /usr/bin/sed
checking for fgrep... /usr/bin/grep -F
checking for ld used by gcc... /usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe
checking if the linker (/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe) is GNU ld... yes
checking for BSD or compatible name linker (nm)... nm
checking the name linker (nm) interface... config.status: executing libtool commands
/usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe
checking for BSD or compatible name linker (nm)... nm
checking the name linker (nm) interface... BSD
checking whether ln -s works... yes
checking the maximum length of command line arguments... 8192
checking whether the shell understands some XSI constructs... yes
checking whether the shell understands "+="... yes
BSD nm
checking whether ln -s works... yes
checking the maximum length of command line arguments... 8192
checking whether the shell understands some XSI constructs... yes
checking whether the shell understands "+="... yes
config.status: executing default3 commands
checking for /usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe option to reload object files... -r
checking for x86_64-unknown-cygwin-objdump... objdump
checking how to recognize dependent libraries... file_magic %385 archive import %385 DLL
checking for x86_64-unknown-cygwin-ar... (cached) ar
checking for x86_64-unknown-cygwin-strip... no
checking for strip... strip
checking for x86_64-unknown-cygwin-ranlib... (cached) ranlib
checking command to parse m output from gcc object... checking for /usr/lib/gcc/x86_64-pc-cygwin/7.4.0/../../../../x86_64-pc-cygwin/bin/ld.exe option to reload object files
-r
checking for x86_64-unknown-cygwin-objdump... objdump
checking how to recognize dependent libraries... file_magic %385 archive import %385 DLL
checking for x86_64-unknown-cygwin-ar... (cached) ar
checking for x86_64-unknown-cygwin-strip... no
checking for strip... strip
checking for x86_64-unknown-cygwin-ranlib... (cached) ranlib
checking command to parse m output from gcc object... config.status: creating po/POTFILES
config.status: creating po/Makefile
checking for diff... ok
checking for diffc... yes
checking for objdir... .libs
checking for objdir... .libs
checking if gcc supports -fno-rtti -fno-exceptions... checking if gcc supports -fno-rtti -fno-exceptions... no
checking for gcc option to produce PIC... -D_GLIBC_EXPORT -PIC

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/home/balde-gccbuild-binutils
checking whether gcc supports -missing-field-initializers... yes
checking whether to enable maintainer-specific portions of Makefiles... no
checking whether to install libffi... no
checking whether NLS is requested... yes
checking for catalogs to be installed... yes
checking whether a statically linked program can dlopen itself... yes
checking whether stripping libraries is possible... yes
checking if libtool supports shared libraries... yes
checking whether to build shared libraries... no
checking whether to build static libraries... yes
checking for dlfcn.h... (cached) yes
checking for windows.h... yes
checking for library containing dlopen... none required
checking for special C compiler options needed for large files... no
checking for _FILE_OFFSET_BITS value needed for large files... no
da de es fi fr ga id it nl pt_BR ro sv tr uk vi zh_CN da de es fi fr ga id it nl pt_BR ro sv tr uk vi zh_CN
checking for gmtime_r... yes
checking for gmtimef... no
checking for gettimeofday... no
checking for getopt... no
checking for mmap... no
checking for malloc... no
checking whether warning flags = -w -Wall -strict-prototypes -missing-prototypes -Wshadow -Wstack-usage=262144
checking whether to enable maintainer-specific portions of Makefiles... no
checking whether to install libffi... no
checking whether NLS is requested... yes
checking for catalogs to be installed... checking for string.h... (cached) yes
checking for strings.h... (cached) yes
checking for strlib.h... (cached) yes
checking for strtob.h... (cached) yes
checking for limits.h usability... yes
checking for limits.h presence... yes
checking for limits.h... yes
checking whether strings and strings.h may both be included... yes
checking whether basename is declared... yes
checking for stpcpy... yes
checking linker --as-needed support... yes
configure: creating ./config.status
da es fi fr id ja ru ro sv tr uk vi zh_CN da es fi fr id ja ru ro sv tr uk vi zh_CN
checking whether NLS is requested... yes
checking for gmtime... i
checking for gmtimef... no
checking for mktime... no
checking for localtime... no
checking size of long long... 8
checking size of void *... 8
checking size of long... config.status: executing libtool commands
checking alloca.h usability... yes
checking alloca.h presence... config.status: executing default-1 commands
yes
checking for alloca.h... yes
config.status: creating po/POFILES
checking stddef.h usability... config.status: creating po/Makedefile
yes
checking stddef.h presence... yes
checking for stddef.h... yes
checking for string.h... (cached) yes
checking for strings.h... (cached) yes
checking for strlib.h... (cached) yes
checking time.h usability... yes
checking time.h presence... yes
checking for time.h... yes
checking for unistd.h... (cached) yes
checking uchar.h usability... yes
checking uchar.h presence... yes
checking for uchar.h... yes
checking uctypes.h usability... yes
checking uctypes.h presence... yes
checking for uctypes.h... yes
checking font.h usability... yes
checking font.h presence... yes

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```

/home/build-gcc-build-binutils
checking uchar.h presence... yes
checking for uchar.h... yes
checking utypes.h usability... yes
checking utypes.h presence... yes
checking for utypes.h... yes
checking fcntl.h usability... yes
checking fcntl.h presence... yes
checking for fcntl.h... yes
checking sys/file.h usability... yes
checking sys/file.h presence... yes
checking for sys/file.h... yes
checking sys/time.h usability... yes
checking sys/time.h presence... yes
checking for sys/time.h... yes
checking for sys/stat.h... (cached) yes
checking sys/resource.h usability... yes
checking sys/resource.h presence... yes
checking for sys/resource.h... yes
checking for a compliant stdint.h in stdint.h, checking for uintmax_t... yes
checking for uintptr_t... config.status: creating Makefile
checking for int_least32_t... config.status: creating pu/Makefile.in
config.status: creating config.h
checking for int_fast32_t... config.status: executing depfiles commands
yes
checking for strtold... yes
checking what to include in bfd_stdint.h... stdint.h (already complete)
checking whether time.h and sys/time.h may both be included... yes
checking for dirent.h that defines DIR... yes
checking for library containing opendir... none required
checking whether strings.h and strings.h may both be included... yes
checking for fcntl... yes
checking for preprocessor... yes
checking for gettline... yes
checking for sysconf... yes
checking for fposn... yes
checking for getuid... yes
checking for getgid... yes
checking for fileno... yes
checking for strnlen... yes
checking for getrlimit... yes
checking whether bsdmain.h is declared... yes
checking whether fcntl.h is declared... yes
checking whether fcntl.h is declared... no
checking whether fseeko is declared... config.status: executing libtool commands
checking whether fseek64 is declared... config.status: executing default-1 commands
checking whether ffs is declared... config.status: creating pu/NOTFILES
config.status: creating pu/Makefile
checking whether free is declared... yes
checking whether getcwd is declared... yes
checking whether malloc is declared... yes
checking whether realloc is declared... yes
checking whether stpcpy is declared... yes
checking whether strerror is declared... yes
checking whether asprintf is declared... yes
checking whether vasprintf is declared... yes
checking whether vsprintf is declared... yes
checking whether straten is declared... yes
checking linker --as-needed support... yes
checking for gcc version with buggy 4.8-bit support... no
checking for fcntl.h... yes
checking for fcntl.h... no
checking for fseek.h... yes
checking for fseek.h... no
checking for fopen64... yes
checking for fopen64... no
checking for off_t... 64-bit
checking file_ptr_type... BFD_HOST_64_BIT

```

[illegible]

