

ii.

5 6

chroot

LFS

가

cross-compilation()

LFS

가



LFS

()
LFS

가

가

- **Build**

- **Host**

- **Target**

가

A (“ ccA ”) (B) (B) 가
(C) C

Stage	Build	Host	Target	Action
1	A	A	B	A ccA cc1
2	A	B	C	A cc1 cc2
3	B	C	C	B cc2 ccC

B cc2 C . B

가 C C 가
 : . ccC

Stage	Build	Host	Target	Action
4	C	C	C	C ccC ccC

cc1 cc2
 ccA ccC

LFS

```

autoconf-base
Autoconf-base
cpu-vendor-kernel-os
가
OS " " 가 가
( : x86_64-unknown-freebsd)
(Linux) Android CPU(ARM64)
ARM64 Ubuntu
가 OS Android aarch64-unknown-
linux-android Ubuntu aarch64-unknown-linux-gnu
" "
binutils ./config.guess
32 i686-pc-linux-gnu . 64
x86_64-pc-linux-gnu가
gcc -dumpmachine
ld ). glibc (binutils
32 Intel ld-linux.so.2 , 64 ld-
linux-x86-64.so.2 가
readelf -I < glibc > | grep interpreter.
shlib-versions
    
```

LFS 가 LFS_TGT
 "vendor" "lfs"
 -with-sysroot 6

가

Stage	Build	Host	Target	Action	
1	pc	pc	lfs	pc	cc-pc cc1
2	pc	lfs	lfs	pc	cc-1 cc-lfs
3	lfs	lfs	lfs	lfs	cc-lfs cc-lfs

"pc" "lfs"
 chroot

.C 가 ("musl"
 glibc GNU C 가 cc1
). LFS ,

glibc C++ libgcc , 가
 (libstdc++) glibc

cc1 libgcc , glibc (glibc
) libstdc++ libgcc

cc1 libgcc libstdc++ , 2
 C/C++ cc1 . 2
 cc-lfs 가 가

- cc-lfs PC(lfs) . PC lfs libc
- (: musl) (: glibc-2.13)
- cc-lfs가 PC cc-lfs PC PC

gcc 2 cc1 libgcc libstdc++ ,
 libstdc++ libgcc
 libstdc++가

8 (" 3 ") LFS 가
 LFS

7 8 6 가 . 6

가 \$LFS/tools

Binutils가 gcc glibc **configure**

. gcc glibc 가
, 가 .

Binutils \$LFS/tools/bin \$LFS/tools/\$LFS_TGT/bin

. ld -verbose , \$LFS_TGT-ld
-verbose | grep SEARCH . (lfs
\$LFS_TGT-ld ld
).

gcc . configure :

```
checking what assembler to use... /mnt/lfs/tools/i686-lfs-linux-gnu/bin/as
checking what linker to use... /mnt/lfs/tools/i686-lfs-linux-gnu/bin/ld
```

. gcc configure 가
PATH gcc
가 . gcc가 \$LFS_TGT-gcc -
print-prog-name=ld . (\$LFS_TGT-

-v gcc
\$LFS_TGT-gcc -v example.c(\$LFS_TGT-)
gcc ,

Linux API . C (glibc)가 Linux

glibc . glibc 가
configure -host (:
\$LFS_TGT-gcc) 가

. configure config.make

gcc"(\$LFS_TGT가) CC="\$LFS_TGT-
isystem -nostdinc -

glibc

C++ 가 , 6

DESTDIR LFS

6 LFS 가 DESTDIR
binutils-pass2가 , gcc 가

gcc 가
CC_FOR_TARGET cc . CC_FOR_TARGET=\$LFS_TGT-
gcc가

7 가 가

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