

Linux From Scratch - Version 12.1-systemd		
Important Preliminary Material		
	/	

ii.

5 6

가


chroot 3

LFS

가

LFS

가



LFS ()

LFS

가

가

- **Build**
- **Host**
- **Target**

가

(“Canadian Cross”)

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

가 C B cc2 C 가 . B
C ccC
가 .

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

cc1 cc2
ccA ccC .

LFS

Autoconf-base

autoconf

CPU(ARM64)

Ubuntu

가

OS

linux-android

“ ”

binutils

gcc -dumpmachine

autoconf-base
()
(vendor)

“ ” 가

OS
(: x86_64-unknown-freebsd)

(Linux)

Android
ARM64

가

Android
aarch64-unknown-linux-gnu

“ ”

./config.guess

32
x86_64-pc-linux-gnu가


(binutils)

cpu-vendor-kernel-os
가

가

aarch64-unknown-

i686-pc-linux-gnu . 64



ld). glibc

32 Intel ld-linux.so.2 , 64 ld-
linux-x86-64.so.2 가

readelf -I < > | 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-l cc-lfs
3	lfs	lfs	lfs	lfs	cc-lfs cc-lfs

"pc " . lfs "

chroot .

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

glibc , libgcc 가
C++ (libstdc++) glibc
" " .
cc1 libgcc , glibc (glibc
) libstdc++ libgcc .

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

- cc-lfs PC() . PC lfs
lfs glibc-2.39 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 . LFS LFS . 6
7 가

```

가
$LFS/tools

Binutils가
gcc glibc configure

. gcc glibc
가
가

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

. ld -verbose
-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
```

```

PATH
가
print-prog-name=ld
(V
$LFS_TGT-gcc -v example.c(
gcc
Linux API
C
(glibc)가 Linux
glibc
glibc
가
configure
$LFS_TGT-gcc)
가
configure
config.make
CC="$LFS_TGT-
-nostdinc
gcc"($LFS_TGT가
)
system
glibc

```

C++가, 6

DESTDIRLFS.

6LFS가. DESTDIRgcc-pass2가. gcc

binutils-pass2가,가

CC_FOR_TARGETcc. CC_FOR_TARGET=\$LFS_TGT-gcc가.

7chroot가. 8

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Last update: 2024/06/14 15:55

