

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

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
 가 C C 가
 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
 “ ”
config.guess
 . binutils ./config.guess
 32 i686-pc-linux-gnu . 64
 x86_64-pc-linux-gnu가
gcc -dumpmachine
 ld). glibc (binutils



32 Intel
linux-x86-64.so.2

ld-linux.so.2 , 64
가

ld-
:

readelf -l <
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

glibc GNU C 가 ("musl")
LFS cc1

glibc C++ libgcc 가
libstdc++ glibc
cc1 libgcc (glibc
) libstdc++ libgcc

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

- cc-lfs PC() . 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

LFS LFS

7 8 6 가 . 6

6

```
gcc configure
PATH
print-prog-name=ld
$LFS_TGT-gcc -v example.c(
gcc
Linux API
glibc
configure
$LFS_TGT-gcc)
configure
gcc($LFS_TGT가
system
glibc
C++
, 6
```

```
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
PATH
print-prog-name=ld
$LFS_TGT-gcc -v example.c(
gcc
Linux API
glibc
configure
$LFS_TGT-gcc)
configure
gcc($LFS_TGT가
system
glibc
C++
, 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          .
. 8

```

From:
<https://www.gamu.kr/dokuwiki/> -

Permanent link:
https://www.gamu.kr/dokuwiki/linuxfromscratch/12.1/032-toolchain_technical_notes?rev=1718378271

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