


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

ii.

5 6 . chroot 3 가

LFS 가

LFS 가



LFS ()

LFS

가 ,

가 .

• Build

• Host

• Target

가

“Canadian Cross”) 가

A ccA (B) (B)

(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 " "
linux-android Ubuntu Android aarch64-unknown-
aarch64-unknown-linux-gnu
" "
binutils ./config.guess
32 i686-pc-linux-gnu . 64
gcc -dumpmachine
x86_64-pc-linux-gnu가
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++ (libstdc++) glibc
cc1 libgcc (glibc
) libstdc++ libgcc

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

- 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

8 6

7 가

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=1718378799

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