

<b>Linux From Scratch - Version 12.1-systemd</b>		
<b>Important Preliminary Material</b>		
	/	

## ii.

5 6

LFS

**chroot**

가

*cross-compilation*

LFS

가



LFS

(

)

LFS

가

가

• **Build**

• **Host**

• **Target**

가

A

(

(C)

ccA

)

C

(B)

(B)

가

Stage	Build	Host	Target	Action
1	A	A	B	<b>A</b> ccA cc1
2	A	B	C	<b>A</b> cc1 cc2
3	B	C	C	<b>B</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	<b>C</b> ccC ccC

cc1 cc2  
 ccA ccC

## LFS

Autoconf-base autoconf-base  
 Autoconf-base cpu-vendor-kernel-os  
 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  
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

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

7 8 6 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          .
. 8

```

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