

Linux From Scratch - Version 12.1-systemd
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Chapter 6. Cross Compiling Temporary Tools

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Binutils-2.42 - Pass 2	Entering Chroot and Building Additional Temporary Tools
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6.18. GCC-13.2.0 - 2

GCC C C++ 가 GNU .

- : 4.4 SBU
- : 4.8 GB

6.18.1. GCC

GCC 가 GMP, MPFR MPC 가 .

```
tar -xf ../mpfr-4.2.1.tar.xz
mv -v mpfr-4.2.1 mpfr
tar -xf ../gmp-6.3.0.tar.xz
mv -v gmp-6.3.0 gmp
tar -xf ../mpc-1.3.1.tar.gz
mv -v mpc-1.3.1 mpc
```

x86_64 64 "lib" .

```
case $(uname -m) in
  x86_64)
    sed -e '/m64=/s/lib64/lib/' \
        -i.orig gcc/config/i386/t-linux64
    ;;
esac
```

POSIX libgcc libstdc++

```
sed '/thread_header =/s/@.*@/gthr-posix.h/' \
-i libgcc/Makefile.in libstdc++-v3/include/Makefile.in
```

```
mkdir -v build
cd build
```

GCC

1)

GCC

```
../configure \
--build=$(../config.guess) \
--host=$LFS_TGT \
--target=$LFS_TGT \
LDFLAGS_FOR_TARGET=-L$PWD/$LFS_TGT/libgcc \
--prefix=/usr \
--with-build-sysroot=$LFS \
--enable-default-pie \
--enable-default-ssp \
--disable-nls \
--disable-multilib \
--disable-libatomic \
--disable-libgomp \
--disable-libquadmath \
--disable-libsanitizer \
--disable-libssp \
--disable-libvtv \
--enable-languages=c,c++
```

- `-with-build-sysroot=$LFS`
`-host`

가 GCC , \$LFS
GCC
가 가 \$LFS

- `-target=$LFS_TGT`
GCC
libstdc++)

(GCC (libgcc). GCC
C C++ GCC
GCC 가

- `LDFLAGS_FOR_TARGET=...`
libstdc++가 GCC 1 libgcc

C++

- `-disable-libsanitizer`
GCC

libcrypt가 GCC . GCC - 1
-disable-libstdcxx

```
make
```

```
make DESTDIR=$LFS install
```

```

, GNU C   가   gcc   cc   ,
   가   C   cc   UNIX

```

```
ln -sv gcc $LFS/usr/bin/cc
```

8.28.2, "GCC"

1)
CFLAGS, CXXFLAGS, LDFLAGS

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