Linux From Scratch - Version 12.1-systemd		
Chapter 6. Cross Compiling Temporary Tools		
	/	
Binutils-2.42 - Pass 2	Entering Chroot and Building Additional Temporary Tools	

6.18. GCC-13.2.0 - 2

GCC   C   C++   GNU   .

: 4.4 SBU
: 4.8 GB

6.18.1. GCC

GCC   GMP, MPFR   MPC   .
.

```
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   .

                        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   GCC   , $LFS
                                        .   GCC
                                . $LFS
                                .
- *–target=$LFS_TGT*
  GCC   GCC   (libgcc
  libstdc++)   (   ). GCC
                        C   C++   .
    GCC   GCC
                                .   GCC   1   .
- *ldflags_for_target=...*
  libstdc++   GCC   1   libgcc
                    .   C++   .
- *–disable-libsanitizer*
  GCC   .   .
                    libcrypt   GCC   . gcc-pass1
    –disable-libstdcxx   .

.

```
make
```

.

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

. gcc cc ,
GNU C
UNIX .cc C
.

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

8.28.2, "GCC " .