


5.3. GCC-13.2.0 - 1

GCC C C++ 가 GNU .
 : 3.8 SBU
 : 4.1 GB

5.3.1. Cross GCC

GCC GMP, MPFR MPC 가 .
 GCC GCC .
 GCC :

 () 가 . gcc-13.2.0 tarball .

```
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
```

GCC GCC :

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

GCC :

```
../configure \
  --target=$LFS_TGT \
  --prefix=$LFS/tools \
  --with-glibc-version=2.39 \
```

```
--with-sysroot=$LFS \  
--with-newlib \  
--without-headers \  
--enable-default-pie \  
--enable-default-ssp \  
--disable-nls \  
--disable-shared \  
--disable-multilib \  
--disable-threads \  
--disable-libatomic \  
--disable-libgomp \  
--disable-libquadmath \  
--disable-libssp \  
--disable-libvtv \  
--disable-libstdcxx \  
--enable-languages=c,c++
```

• **-with-glibc-version=2.39**

libC Glibc . pass1 GCC libC

• **-with-newlib**

C libC libgcc inhibit_libC 가

• **-without-headers**

GCC GCC가 가

• **-enable-default-pie -enable-default-ssp**

(GCC가 8 PIE SSP). 가

• **-disable-shared**

GCC가 Glibc가

• **-disable-multilib**

x86_64 LFS x86

• **-disable-threads, -disable-libatomic, -disable-libgomp, -disable-libquadmath, -disable-libssp, -disable-libvtv, -disable-libstdcxx**

, libatomic, libgomp, libquadmath, libssp, libvtv C++

• **-enable-languages=c,c++**

libC C C++ 가

GCC :

make

:

make install

```

GCC      가      .      limits.h
limits.h ( $LFS/usr/include/limits.h)가      .      GCC
$LFS/usr/include/limits.h가
가      .      GCC      Glibc
      :

```



[] \$() 가
 , 가
 . \$()

```

cd ..
cat gcc/limitx.h gcc/glimits.h gcc/limity.h > \
  `dirname $($LFS_TGT-gcc -print-libgcc-file-name)`/include/limits.h

```

8.28.2 "GCC " .

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