**[安装gcc4.8.5](https://www.cnblogs.com/xlmeng1988/p/5580762.html)**

安装gcc4.8.5  
1. g++ --version, 4.4.7不支持c++11

2. 升级gcc-c++, 下载gcc  
    https://gcc.gnu.org/ 官网，镜像下载地址https://gcc.gnu.org/mirrors.html，随便找个镜像下载就行了

http://ftp.tsukuba.wide.ad.jp/software/gcc/releases/gcc-4.8.5/gcc-4.8.5.tar.bz2

## 3. 尝试安装gcc

解压，配置

./configure --prefix=yourprefix --enable-languages=c,c++  
报错：

configure: error: Building GCC requires GMP 4.2+, MPFR 2.3.1+ and MPC 0.8.0+.  
Try the --with-gmp, --with-mpfr and/or --with-mpc options to specify  
their locations.  Source code for these libraries can be found at  
their respective hosting sites as well as at  
ftp://gcc.gnu.org/pub/gcc/infrastructure/.  See also  
http://gcc.gnu.org/install/prerequisites.html for additional info.  If  
you obtained GMP, MPFR and/or MPC from a vendor distribution package,  
make sure that you have installed both the libraries and the header  
files.  They may be located in separate packages.  
  
去ftp://gcc.gnu.org/pub/gcc/infrastructure/下载所需的gmp-4.3.2.tar.bz2，mpc-0.8.1.tar.gz，mpfr-2.4.2.tar.bz2  
分别解压安装

### 3.1 gmp

tar -jxvf gmp-4.3.2.tar.bz2

./configure --prefix=/home/scliyan/hrf/install/gmp-4.3.2

make -j12 && make install

## 3.2 mpfr

tar -jxvf mpfr-2.4.2.tar.bz2

./configure --prefix=/home/scliyan/hrf/install/mpfr-2.4.2 --with-gmp=/home/scliyan/hrf/install/gmp-4.3.2

make -j12 && make install

### 3.3 mpc

tar -zxvf mpc-0.8.1.tar.gz

./configure --prefix=/home/scliyan/hrf/install/mpc-0.8.1

### 环境变量

export LD\_LIBRARY\_PATH=/home/scliyan/hrf/install/gmp-4.3.2/lib:$LD\_LIBRARY\_PATH

export LD\_LIBRARY\_PATH=/home/scliyan/hrf/install/mpfr-2.4.2/lib:$LD\_LIBRARY\_PATH

export LD\_LIBRARY\_PATH=/home/scliyan/hrf/install/mpc-0.8.1/lib:$LD\_LIBRARY\_PATH

## 4. 安装gcc

./configure --disable-multilib --enable-languages=c,c++ --prefix=/home/scliyan/hrf/install/gcc-4.8.5 --with-gmp=/home/scliyan/hrf/install/gmp-4.3.2 --with-mpfr=/home/scliyan/hrf/install/mpfr-2.4.2 --with-mpc=/home/scliyan/hrf/install/mpc-0.8.1

如果需要gfortran：

./configure --disable-multilib --enable-languages=c,c++,fortran,lto --prefix=/home/scliyan/hrf/install/gcc-4.8.5-gfortran --with-gmp=/home/scliyan/hrf/install/gmp-4.3.2 --with-mpfr=/home/scliyan/hrf/install/mpfr-2.4.2 --with-mpc=/home/scliyan/hrf/install/mpc-0.8.1

make -j16

make install

安装过程会很久，本人装了近两个多小时才ok。完成后gcc -v看下版本。虽说过程艰难，但成功后还是很开心的。