在linux用gdb或者cgdb计较不爽的地方是无法打印STL的东西,所有啊去网上找了找解决方案https://www.douban.com/note/182826844/?qq-pf-to=pcqq.c2c

本帖把怎么配置这个东西写出了, 万一以后忘了, 可以回头找找。

首先是下载gdb文件 https://sourceware.org/gdb/wiki/STLSupport -----》找到网页里面的

然后点击进去下载stl views 1.0.3.gdb

接下来把这个东西当到linux下,位置随便放,我放到了我的用户目录下

```
[yonqchao@fsdev20 ~]$ pwd
/home/yongchao
[yongchao@Isdev20 ~]$ 11
total 68
drwxr-xr-x 2 yongchao fsdev 4096 Mar 21 18:11 CMakeList Learning
drwxr-xr-x 2 yongchao fsdev 4096 Feb 23 11:11 cscope
-rwxr-xr-x 1 yongchao fsdev
                             27 Feb 18 14:08 env compile.sh
lrwxrwxrwx 1 yongchao fsdev
                            40 Apr 29 17:40 etc -> /home/yongchao/git/farestar/FareStar/etc
drwxr-xr-x 3 yongchao fsdev 4096 Apr 17 16:17 farestar
drwxr-xr-x 24 yongchao fsdev 4096 Mar 17 15:55 farestar uuid
drwxr-xr-x 4 yongchao fsdev 4096 May 6 09:39 git
drwxr-xr-x 14 yongchao fsdev 4096 Apr 27 18:31 git2
drwxr-xr-x 5 yongchao fsdev 4096 Apr 18 19:55 myCPP11
drwxr-xr-x 3 yongchao fsdev 4096 Apr 29 10:38 mypytho
-rw-r--r- 1 yongchao fsdev 2133 Feb 18 13:46 shellConfig.txt
-rw-r--r-- 1 yongchao fsdev 17901 May 6 16:2; stl-views-1.0.3.gdb
drwxr-xr-x 2 yongchao fsdev 4096 May 6 16:30
drwxr-xr-x 4 yongchao fsdev 4096 May 2 18:17 Unix Learning
[yongchao@fsdev20 ~]$
```

然后写一个小程序测试一下,

```
[vongchao@fsdev20 temp] $ pwd
/home/yongchao/temp
[yongchao@fsdev20 temp] $ ls
main.cpp test
(yongchao@fsdev20 temp] $ cat main.cop
#include <map>
using namespace std;
int main()
{
    map<int, char> myMap;
    myMap[1] = 'a';
    myMap[2] = 'b';
    return 0;
}
[yongchao@fsdev20 temp] $ g++ -o test maim.cpp -g]
```

接着cgdb test 进入调试模式,然后加载刚才的stl\_views\_1.0.3.gdb

```
#include <map>
2
   using namespace std;
3
   int main()
4
5
            map<int, char> myMap;
            myMap[1] = 'a';
            myMap[2] = 'b';
8
  >}
/home/yongchao/temp/main.cpp
Copyright (C) 2016 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <a href="http://gnu.org/lic">http://gnu.org/lic</a>
This is free software: you are free to change and redistribute
There is NO WARRANTY, to the extent permitted by law. Type "s
and "show warranty" for details.
This GDB was configured as "x86 64-pc-linux-gnu".
Type "show configuration" for configuration details.
For bug reporting instructions, please see:
<a href="http://www.gnu.org/software/gdb/bugs/">http://www.gnu.org/software/gdb/bugs/>.</a>
```

Find the GDB manual and other documentation resources online a

Type "apropos word" to search for commands related to "word"..

<http://www.gnu.org/software/gdb/documentation/>.

Breakpoint 1 at 0x400941: file main.cpp, line 6. (gdb) source /home/yongchao/stl-views-1.0.3.gdb

口法控 10 6 102 222.22

(gdb) b main

接着就可以看看pmap的命令了

For help, type "help".

Reading symbols from test...done.

pmap variable----->打印variable这个map的定义和map里面的个数 pmap variable int int(就是单纯的两个int) ----->打印pmap的元素和map的个数 pmap variable int int 20----->打印索引是20的map的值 和map的个数 pmap variable int int 20 200----->打印索引是20 值是200的map值和map的个数

```
#include <map>
   using namespace std;
2
3
4
5
6
7
8
   int main()
           map<int, char> myMap;
           myMap[1] = 'a';
myMap[2] = 'b';
            return 0;
/home/yongchao/temp/main.cpp
(gdb) pmap myMap int int
No symbol "myMap" in current context.
(gdb) r
Starting program: /home/yongchao/temp/test
warning: File "/usr/local/lib64/libstdc++.so
Breakpoint 1, main () at main.cpp:6
(gdb) n
(gdb)
(gdb)
(qdb) pmap myMap int int
elem[0].left: $37 = 1
elem[0].right: $38 = 97
elem[1].left: $39 = 2
elem[1].right: $40 = 98
Map size = 2
(gdb)
```

东西很好用,就怕以后链接失效找不到这个文件了,下面会把这个文件东西拷贝在下面。以后用到了,自己建立一个stl\_views\_1.0.3.gdb,然后把下面的东西拷贝进去使用。