<https://github.com/zhiyong0804/brks.git>

#安装GIT

sudo apt install git

#下载brk工程

cd ~

mkdir gitcode

cd gitcode

git clone <https://github.com/zhiyong0804/brks.git>

cd brks

cd src

cmake .

make

#####################################

[ 69%] Building CXX object intf/CMakeFiles/intf.dir/interface.cpp.o

In file included from /usr/include/event2/event\_compat.h:59:0,

from /usr/local/include/thrift/server/TNonblockingServer.h:43,

from /home/terrycz/gitcode/brks/src/intf/interface.cpp:4:

/usr/local/include/thrift/server/TNonblockingServer.h:76:23: error: multiple types in one declaration

typedef THRIFT\_SOCKET evutil\_socket\_t;

^

**1 THRIFT\_SOCKET重复定义**

**原因：**TNonblockingServer.h有这个代码

/\*

#if LIBEVENT\_VERSION\_NUMBER < 0x02000000

typedef THRIFT\_SOCKET evutil\_socket\_t;

#endif

\*/

**解决办法：**brks工程的CMakefilelist.txt，增加一个宏定义（定义libevent的版本，根据自己的版本而定）

ADD\_DEFINITIONS(-DLIBEVENT\_VERSION\_NUMBER=0x02010800)

##########################################

sed -i "31a ADD\_DEFINITIONS(-DLIBEVENT\_VERSION\_NUMBER=0x02010800)\r" CMakeLists.txt

#go on make

make

############################################

**2 找不到libjson链接库**

[100%] Linking CXX executable brks

/usr/bin/ld: 找不到 -ljsoncpp

collect2: error: ld returned 1 exit status

CMakeFiles/brks.dir/build.make:87: recipe for target 'brks' failed

make[2]: \*\*\* [brks] Error 1

**解决方法1:**sudo cp -a ./include/\* /usr/include

sudo cp ./libs/\*/libjson\*.\* /usr/lib/

cd /usr/lib

sudo ln -s libjson\*libmt.a libjsoncpp.a

sudo ln -s libjson\*libmt.so libjsoncpp.so

**解决方法2:**sudo apt-get install libjsoncpp-dev

##############################################

#已经使用方法1解决了，继续

make

##############################################

**3 链结log4cpp报错**

**原因：自己的log4cpp版本和服务器下载的不一样**

/usr/bin/ld: ../third/lib/log4cpp/liblog4cpp.a(LayoutAppender.o): relocation R\_X86\_64\_32 against symbol `\_ZTVN7log4cpp14LayoutAppenderE' can not be used when making a PIE object; recompile with -fPIC

/usr/bin/ld: 最后的链结失败: 输出不可表示的节

collect2: error: ld returned 1 exit status

CMakeFiles/brks.dir/build.make:87: recipe for target 'brks' failed

make[2]: \*\*\* [brks] Error 1

**链接报错**

[100%] Linking CXX executable brks

/usr/bin/ld: ../third/lib/log4cpp/liblog4cpp.a(Category.o): relocation R\_X86\_64\_32 against `.rodata' can not be used when making a PIE object; recompile with -fPIC

/usr/bin/ld: ../third/lib/log4cpp/liblog4cpp.a(CategoryStream.o): relocation R\_X86\_64\_32 against `.bss' can not be used when making a PIE object; recompile with -fPIC

**解决办法：拷贝本地编译的库文件，替换brks工程的库文件（路径在third目录下）**

###################################################

cp ~/libinstall/source/log4cpp/src/.libs/liblog4cpp\* ../third/lib/log4cpp

#继续

make

#success~!!!