#brk依赖库安装脚本

##################lib库安装开始###################

**#新建文件夹**

cd ~

mkdir libinstall

cd libinstall

mkdir download source

**########################下载源文件 beg**

**#下载log4cpp**

wget -P ./download https://nchc.dl.sourceforge.net/project/log4cpp/log4cpp-1.1.x%20%28new%29/log4cpp-1.1/log4cpp-1.1.3.tar.gz

tar -zxvf ./download/log4cpp-1.1.3.tar.gz -C ./source

**#下载jsoncpp**

wget -P ./download https://nchc.dl.sourceforge.net/project/jsoncpp/jsoncpp/0.5.0/jsoncpp-src-0.5.0.tar.gz

tar -zxvf ./download/jsoncpp-src-0.5.0.tar.gz -C ./source

**#下载tinyxml**

wget -P ./download https://nchc.dl.sourceforge.net/project/tinyxml/tinyxml/2.6.2/tinyxml\_2\_6\_2.zip

unzip -d ./source ./download/tinyxml\_2\_6\_2.zip

**#下载curl**

wget -P ./download https://curl.haxx.se/download/curl-7.61.1.tar.gz

tar -zxvf ./download/curl-7.61.1.tar.gz -C ./source

**#下载libevent**

wget -P ./download https://github.com/libevent/libevent/releases/download/release-2.1.8-stable/libevent-2.1.8-stable.tar.gz

tar -zxvf ./download/libevent-2.1.8-stable.tar.gz -C ./source

**#下载lua**

wget -P ./download http://www.lua.org/ftp/lua-5.3.5.tar.gz

tar -zxvf ./download/lua-5.3.5.tar.gz -C ./source

**#下载cmake**

wget -P ./download https://cmake.org/files/v3.12/cmake-3.12.2.tar.gz

tar -zxvf ./download/cmake-3.12.2.tar.gz -C ./source

**#下载thrft**

wget -P ./download http://mirrors.shu.edu.cn/apache/thrift/0.11.0/thrift-0.11.0.tar.gz

tar -zxvf ./download/thrift-0.11.0.tar.gz -C ./source

**######################下载源文件 end**

**#安装编译环境**

sudo apt-get install build-essential

**#安装编译环境 beg**

cd ./source

**#编译&安装log4cpp库**

cd log4cpp

./configure --prefix=/usr

make

make check

sudo make install

#ls -lrt /usr/lib/liblog4cpp\*

**#编译&安装jsoncpp库**

cd ../jsoncpp-src-0.5.0

sudo apt-get install scons

scons platform=linux-gcc

#拷贝库文件到系统目录

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

cd -

# ll /usr/lib/libjson\*

# test

# ./bin/\*/test\*

**#编译&生成libtinyxml.a**

cd ../tinyxml

cp Makefile Makefile.bak

sed 's/OUTPUT := xmltest/OUTPUT := libtinyxml.a/g' Makefile > Makefile.tmp

mv Makefile.tmp Makefile

sed 's/ xmltest.cpp//g' Makefile > Makefile.tmp

mv Makefile.tmp Makefile

sed 's/\t${LD} -o $@ ${LDFLAGS} ${OBJS} ${LIBS} ${EXTRA\_LIBS}/# ${LD} -o $@ ${LDFLAGS} ${OBJS} ${LIBS} ${EXTRA\_LIBS}\n\t${AR} $@ ${LDFLAGS} ${OBJS} ${LIBS} ${EXTRA\_LIBS}/g' Makefile > Makefile.tmp

mv Makefile.tmp Makefile

sed 's/xmltest.o/#xmltest.o/g' Makefile > Makefile.tmp

mv Makefile.tmp Makefile

make

rm tiny\*.o

**#编译&安装curl工具**

cd ../curl-7.61.1

./configure --prefix=/usr

make

sudo make install

**#编译&安装libevent库**

cd ../libevent-2.1.8-stable

./configure --prefix=/usr

make

sudo make install

**#编译&安装lua**

cd ../lua-5.3.5

sudo apt-get install libreadline-dev

make linux

**#编译&安装thrift**

cd ../thrift-0.11.0

sudo apt-get install automake bison flex g++ git libboost-all-dev libevent-dev libssl-dev libtool make pkg-config **libglib2.0-dev**

./configure *--with-cpp --with-boost --with-python --without-csharp --with-java --without-erlang --without-perl --with-php --without-php\_extension --without-ruby --without-haskell --without-go*

make

sudo make install

**#编译&安装cmake**

cd ../cmake-3.12.2

./bootstrap

make

sudo make install

**#编译&安装mysqlclient**

cd ..

sudo apt-get install mysql-server mysql-client libmysqlclient-dev

#sudo apt-get install python3-dev python-pip

#pip install mysqlclient

**#安装编译环境 end**

##################lib库安装结束###################