本项目是用于一个菜鸟的C++编程学习

1. **Git**

创建本地git仓库和远程仓库，用于linux和window工作内容同步

使用当前目录作为Git仓库，我们只需使它初始化

git init

当前目录所有文件添加到缓存

git add .

git commit -m '初始化项目版本'

添加一个新的远程仓库

git remote add origin https://github.com/funprograming/TeamTalk-on-Muduo

git push -u origin master

进入linux虚拟机clone项目到本地

git clone https://github.com/funprograming/TeamTalk-on-Muduo

1. **编译protobuf**

首先分析该脚本的详细内容

make\_protobuf.sh

#!/bin/bash

# author: luoning

# date: 03/25/2015

PROTOBUF=protobuf-2.6.1

CUR\_DIR=

check\_user() {

if [ $(id -u) != "0" ]; then

echo "Error: You must be root to run this script, please use root to install im"

exit 1

fi

}

get\_cur\_dir() {

# Get the fully qualified path to the script

case $0 in

/\*)

SCRIPT="$0"

;;

\*)

PWD\_DIR=$(pwd);

SCRIPT="${PWD\_DIR}/$0"

;;

esac

# Resolve the true real path without any sym links.

CHANGED=true

while [ "X$CHANGED" != "X" ]

do

# Change spaces to ":" so the tokens can be parsed.

SAFESCRIPT=`echo $SCRIPT | sed -e 's; ;:;g'`

# Get the real path to this script, resolving any symbolic links

TOKENS=`echo $SAFESCRIPT | sed -e 's;/; ;g'`

REALPATH=

for C in $TOKENS; do

# Change any ":" in the token back to a space.

C=`echo $C | sed -e 's;:; ;g'`

REALPATH="$REALPATH/$C"

# If REALPATH is a sym link, resolve it. Loop for nested links.

while [ -h "$REALPATH" ] ; do

LS="`ls -ld "$REALPATH"`"

LINK="`expr "$LS" : '.\*-> \(.\*\)$'`"

if expr "$LINK" : '/.\*' > /dev/null; then

# LINK is absolute.

REALPATH="$LINK"

else

# LINK is relative.

REALPATH="`dirname "$REALPATH"`""/$LINK"

fi

done

done

if [ "$REALPATH" = "$SCRIPT" ]

then

CHANGED=""

else

SCRIPT="$REALPATH"

fi

done

# Change the current directory to the location of the script

CUR\_DIR=$(dirname "${REALPATH}")

}

build\_protobuf(){

cd protobuf

tar -xf $PROTOBUF.tar.gz

cd $PROTOBUF

./configure --prefix=$CUR\_DIR/protobuf

make

make install

cd ..

mkdir -p ../base/pb/lib/linux/

cp lib/libprotobuf-lite.a ../base/pb/lib/linux/

cp -r include/\* ../base/pb/

}

check\_user

get\_cur\_dir

build\_protobuf