

1.安装

```
wget https://github.com/Quagga/quagga/releases/download/quagga-1.2.4/quagga-1.2.4.tar.gz
```

2.解压缩

```
tar -zxvf quagga-1.2.4.tar.gz -C /opt
```

3.编译

```
./configure --enable-vtysh \  
            --enable-user=root \  
            --enable-group=root \  
            --enable-vty-group=root \  
            --localstatedir=/var/run/quagga \  
            --sysconfdir=/etc/quagga \  
            --with-cflags="-O0 -fno-omit-frame-pointer -g -  
std=gnu99 -Wall -Wsign-compare -Wpointer-arith -Wbad-function-cast -Wwrite-  
strings -Wmissing-prototypes -Wmissing-declarations -Wchar-subscripts -  
Wcast-qual -fcommon"
```

```
Quagga configuration
-----
quagga version      : 1.2.4
host operating system : linux-gnu
source code location : .
compiler            : gcc
compiler flags      : -O0 -fno-omit-frame-pointer -g -std=gnu99 -Wall -Wsign-compare -Wpointer
                    -arith -Wbad-function-cast -Wwrite-strings -Wmissing-prototypes -Wmissing-declarations -Wchar-sub
                    cripts -Wcast-qual
make                : make
linker flags        : -lcrypt -lrt -lreadline -ltermcap -lm
state file directory : /var/run/quagga
config file directory : /etc/quagga
example directory   : /etc/quagga
user to run as      : root
group to run as      : root
group for vty sockets :
config file mask     : 0600
log file mask        : 0600
zebra protobuf enabled : no
```

The above user and group must have read/write access to the state file directory and to the config files in the config file directory.

```
make && make install
make clean
```

4. 前置安装条件

```
sudo apt-get update
sudo apt-get install gawk -y
sudo apt-get install libreadline-dev -y
sudo apt-get install pkg-config -y
sudo apt-get install libc-ares-dev -y
sudo apt-get install texinfo -y
sudo apt-get install libreadline6-dev -y
sudo apt-get install automake -y
```

```
# 设置用户及组
sudo groupadd quagga
sudo useradd -g quagga -s /sbin/nologin quagga
#运行目录
sudo mkdir -p /var/run/quagga
sudo chown quagga:quagga /var/run/quagga
sudo chmod 755 /var/run/quagga
#配置目录
```

```
sudo mkdir -p /etc/quagga
sudo chown quagga:quagga /etc/quagga
sudo chmod 750 /etc/quagga
#日志记录
sudo mkdir -p /var/log/quagga
sudo chown quagga:quagga /var/log/quagga
sudo chmod 755 /var/log/quagga
```

5.将依赖文件复制到库中

```
usr $ cp /usr/local/lib/libzebra.* /lib

cp: 无法创建普通文件 '/lib/libzebra.a': 权限不够
cp: 无法创建普通文件 '/lib/libzebra.la': 权限不够
cp: 无法创建普通文件 '/lib/libzebra.so': 权限不够
cp: 无法创建普通文件 '/lib/libzebra.so.1': 权限不够
cp: 无法创建普通文件 '/lib/libzebra.so.1.0.0': 权限不够

#复制配置文件
cp zebra.conf.sample zebra.conf
```

6.重启服务

```
sudo systemctl restart quagga

sudo zebra -d -f /etc/quagga/zebra.conf
```

7.查看是否运行

```
ps aux |grep zebra

telnet 127.0.0.1 2601
password:zebra
```