# 浙大校网VPN

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搞定在校网上拨VPN出校。

### 实现目的

- 1 了解Acadia或RPi或WRTnode中如何对网络进行配置;
- 2 了解Acadia或RPi或WRTnode中如何对VPN进行连接。

## 实验器材

#### 硬件

- Acadia或RPi或WRTnode板一块;
- 5V/1A电源一个;
- microUSB线一根;
- USB-TTL串口线一根(FT232RL芯片或PL2303芯片)。 以下为自备(可选)器材:
  - PC (Windows/Mac OS/Linux) 一台;
  - 声卡一个;
  - 以太网线一根(可能还需要路由器等)。

#### 软件

- PC上的USB-TTL串口线配套的驱动程序;
- PC上的串口终端软件,如minicom、picocom、putty等;
- PC上的SSH软件,如putty等。

## 实验步骤

1 对Acadia或RPi或WRTnode上的网卡进行配置; 安装ppp, 12tp, libpcap软件

```
root@raspberrypi:/home/pi# apt-get install xl2tpd
Peading package lists... Done
Bulding dependency tree
Reading state information... Done
The following extra packages will be installed:
    libpcapo.B ppp
The following NEW packages will be installed:
    libpcapo.B ppp xl2tpd
    o upgraded, 3 newly installed, 0 to remove and 0 not upgraded.
    Need to get 560 kB of archives.
    After this operation, 1,275 kB of additional disk space will be used.
    Do you want to continue [Y/n]? y
Get:1 http://mirrordirector.raspbian.org/raspbian/ wheezy/main libpcapo.8 armhf
1.3.0-1 [135 kB]
Get:2 http://mirrordirector.raspbian.org/raspbian/ wheezy/main ppp armhf 2.4.5-5
    l+deb7ul [354 kB]
Get:3 http://mirrordirector.raspbian.org/raspbian/ wheezy/main xl2tpd armhf 1.3.
    l+dfsg-1 [70.8 kB]
Fetched 500 kB in 10s (51.7 kB/s)
    selecting previously unselected package libpcapo.8:armhf,
    (Reading database ... 78097 files and directories currently installed.)
    Unpacking libpcapo.8:armhf (from .../libpcapo.8_1.3.0-1_armhf.deb) ...
    selecting previously unselected package ppp
    Unpacking plp (from .../ppp_2.4.5-5.1+deb7ua/mining
    selecting previously unselected package ppp
    Unpacking plctd (from .../ppp_2.4.5-5.1+deb7ua/mining
    selecting previously unselected package ppp
    unpacking plctd (from .../ppp_2.4.5-5.1+deb7ua/mining
    selecting previously unselected package ppp
    unpacking plctd (from .../ppp_2.4.5-5.1+deb7ua/mining
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    selecting previously unselected package ppp
    unpacking plctd (from .../ppp_2.4.5-5.1+deb7ua/mining
    selecting previously unselected package ppp
    unpacking ppp
    voteraspberrypi://nome/pi# selections
    preparation to reput selections
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    preparation to reput selections
    voteraspberrypi://nome/pi# selections
    voteraspberrypi://nome/pi# selections
    voteraspberrypi://nome/pi# selections
    voteraspberrypi://nome/p
```

### 2 拨通校网VPN。 安装zjuvpn 设置拨号信息

```
tar: Error is not recoverable: exiting now rootdraspberrypi:/home/pi/Desktop# sudo tar .xvf zjuvpn-8.2.tar.gz .C / usr/share/
usr/share/zjuvpn/
usr/share/zjuvpn/usr/share/zjuvpn/potions
usr/sbin/
usr/sbin/zjuvpn
rootdraspberrypi:/home/pi/Desktop# zjuvpn .c
Configure LZTP VPN for ZJU.
Username: 3120104385
Password:
[MSG] Disconnecting VPN ... Done!
[MSG] Pastarting lZtpd...
Restarting xlZtpd: xlZtpd.
[MSG] Trying to bring up vpn... 85 secs... Done!
[MSG] Detected gateway: 192.168.0.1, PPP device: ppp0 .

[MSG] Setting up route table... Done!
rootdraspberrypi:/home/pi/Desktop#
rootdraspberrypi:/home/pi/Desktop#
rootdraspberrypi:/home/pi/Desktop#

rootdraspberrypi:/home/pi/Desktop#
```

#### 3.完成vpn连接。可以上网

