Ditulis oleh Tutor TKJ CLUB
Senin, 19 Maret 2012 09:02 -

For providing access via PPPoE it is required a PPPoE network access server (NAS) and a subscriber's unit (PPPoE client).

In this guide as a PPPoE network access server it is used a freeware packet rp-pppoe.

Step1. First we need intenet access and 2 network cards (eth0 – WAN, eth1 – LAN).

vim /etc/network/interfaces

```
auto lo
iface lo inet loopback
iface eth0 inet static
address 89.xxx.xxx.xxx #Your public IP address
netmask 255.xxx.xxx.xxx  #Your subnet mask
gateway 89.xxx.xxx.xxx    #Your gateway

iface eth1 inet static
address 192.168.4.254
netmask 255.255.255.0
```

Step2. Install ppp daemon:

apt-get install ppp

Step3. Get rp-pppoe from here and install it.

wget http://www.roaringpenguin.com/files/download/rp-pppoe-3.10.tar.gz

Extract the archive:

tar -zxf rp-pppoe-3.10.tar.gz

Now compile it:

cd rp-pppoe-3.10/src/ ./configure make && make install **Step4**. Edit the PPPoE server options:
vim /etc/ppp/pppoe-server-options The file looks like this:
require-chap login lcp-echo-interval 10 lcp-echo-failure 2 ms-dns 8.8.8.8 ms-dns 8.8.4.4 n etmask 255.255.255.0

defaultroute

noipdefault

usepeerdns

Step5
. Add usernames and passwords in the /etc/ppp/chap-secrets file:

vim /etc/ppp/chap-secrets The file looks like this:

Secrets for authentication using CHAP # client server secret IP addresses #USERNAME SERVER PASSWORD CLIENT IP ADDRESS

"user1" * "password1" 192.168.4.100

"user2" * "password2" 192.168.4.101

Step6
. Now set up the IP addresses pool:

We will assign the future clients one IP address from the 192.168.4.1 to 192.168.4.200 range.

echo "192.168.4.1-200" > /etc/ppp/allip **Step7**. Start PPPoE server:
pppoe-server -C isp -L 192.168.4.254 -p /etc/ppp/allip -I eth1 **Step8**. Do not forget to enable packet forwarding between network interfaces:

echo 1 > /proc/sys/net/ipv4/ip_forward And set up NAT in order to provide internet access to the LAN computers:
iptables -t nat -A POSTROUTING -s 192.168.4.0/24 -o eth0 -j MASQUERADE Enjoy.

Sumber : http://www.debian-tutorials.com