

Poptop VPN

This document assumes CentOS 5, but will probably work with other distributions/versions.

1. install and configure pptpd and pppd

Reference: <http://poptop.sourceforge.net/dox/redhat-howto.phtml>

[step 1] install pptpd

[step 2] install pppd

[step 3] configure /etc/pptpd.conf - especially the localip and remoteip tags, see the ROUTING CHECKLISTS in man pptpd.conf for more details

[step 4] configure /etc/ppp/options.pptpd - especially ensure the MPPE options match your PPP version

[step 5] configure /etc/ppp/chap-secrets - add a username and password for a client to log in with

2. configure firewall rules (iptables)

```
3 168 ACCEPT tcp -- * * 0.0.0.0/0 0.0.0.0/0 tcp dpt:1723 /* pptp */
1 57 ACCEPT 47 -- * * 0.0.0.0/0 0.0.0.0/0 /* GRE */
```

Make sure to modify the source & destinations as appropriate. Also, don't forget to modify whatever scripts write your iptables on boot, or else your rules will get wiped out next time you reboot. Then your clients will be unable to connect, which will be confusing because your conf files did not change.

3. enable IP forwarding

[step 1] enable IP forwarding

modify /etc/sysctl.conf

```
net.ipv4.ip_forward = 1
```

This enables IP forwarding when the machine is rebooted.

[step 2] enable IP forwarding right now

```
% echo 1 > /proc/sys/net/ipv4/ip_forward
```