

## Re: PoPToP and... routing? – SOLVED!

**Source:** <http://unix.derkeiler.com/Newsgroups/comp.unix.bsd.openbsd.misc/2004-08/0306.html>

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**From:** Archevis ([archevis\\_at\\_hotmail.com](mailto:archevis_at_hotmail.com))

**Date:** 08/29/04

Date: Sun, 29 Aug 2004 15:16:12 +0200

Hi all,

The solution proved to be a couple of errors sneaking into in the config files for PoPToP. To save others from wasting a week of their time trying to get a pptpd up and running in OpenBSD I should probably write a full howto now... :) See if I get the time in a few weeks.

For now, here are my working config files for pptop-1.1.4.b4 with a Windows XP built-in VPN client:

-----  
/etc/pptpd.conf:

-----  
option /etc/ppp/options.pptpd  
localip 192.168.0.1  
remoteip 192.168.0.200-192.168.0.249

-----  
/etc/ppp/ppp:

-----  
pptp:  
enable proxy  
set dns 192.168.0.2  
set ifaddr 192.168.0.1 192.168.0.200-192.168.0.249  
set timeout 0  
enable mschapv2  
disable ipv6cp  
accept dns

-----  
/etc/ppp/options.pptpd:

-----  
proxyarp  
+MSChap-V2  
mppe-128  
mppe-stateless

Aside from this I leave "/etc/ppp/options" empty, just in case.

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If you decide to use these, please make sure to alter all IP addresses to suit your network... :)

– 4rch3v15

"Archevis" <archevis@hotmail.com> wrote in message  
news:MH2Yc.41488\$Vf.2186830@news000.worldonline.dk...

> *Oooops..... Sorry, folks!*

>

> *I forgot to mention that I have even removed the third network interface  
and*

> *turned off named and dhcpd, just to get the pptpd VPN functional again. I*

> *thought I had restored the system to it's previously working state, but*

> *obviously something went bad along the way.*

>

> *Also, I should probably state explicitly that having had a working PoPToP*

> *installation also implies that yes, I have followed the advice of*

> *recompiling the kernel without GRE support... :)*

>

> – 4rch3v15

>

>

> "Archevis" <archevis@hotmail.com> wrote in message

> news:d99f9148.0408280601.5d81b006@posting.google.com...

>> *I'm at a complete loss here... I had PoPToP VPN up and running on my*

>> *OpenBSD 3.5 firewall before installing a third network card for an*

>> *"external" IP zone. After setting up dhcpd and named on the firewall*

>> *for the new nic (rl1) I discovered that I could still connect and*

>> *login on the firewall/VPN server, but all of a sudden I was unable to*

>> *ping anything behind the firewall.*

>>

>> *To be as specific as I can: I can ping the firewall's local IP from*

>> *the Windows XP (built-in VPN) client, and also ping both the XP client*

>> *and all machines on the local network ("behind" the firewall) from the*

>> *firewall/VPN server. But I'm unable to ping machines behind the*

>> *firewall from the XP client, and the XP client is also unreachable*

>> *from machines behind the firewall/VPN server.*

>>

>> *Aside from the above problems everything works like a charm. The*

>> *web/mail server (behind the firewall) is accessible through ordinary*

>> *access over the Internet. Similarly, the Internet is accessible from*

>> *every machine behind the firewall (I'm using packet filter NAT).*

>>

>> *My first thought was: Check, double check and then triple check*

>> *pf.conf, in case the firewall is accidentally blocking traffic. But*

>> *the problem persists even if i add "pass in quick all" and "pass out*

>> *quick all" as the first filtering lines in pf.conf. So I'm assuming*

>> *that the firewall is innocent...*

>>

>> *Which leads me to suspect routing to be my cause of grief. Which gives*

>> *me the shivers, since I'm by far no qualified system administrator. ;)*

```
> >
> > Output from "route show" yields (my external IP shown as
> > <A>.<B>.<C>.<D>):
> >
> > Internet:
> > Destination Gateway Flags
> > default <A>.<B>.<C>.<D> UG
> > <A>.<B>.<C>.<D-2> link#2 U
> > <A>.<B>.<C>.<D-1> <a MAC address> UH
> > localhost localhost UG
> > localhost localhost UH
> > 192.168.0.0 link#1 U
> > gate localhost UGH
> > euclid <a MAC address> UH
> > galileo <a MAC address> UH
> > 192.168.0.145 <a MAC address> UH
> > BASE-ADDRESS.MCA localhost U
> >
> > Line 3 is my ISP's gateway for my external nic, with last IP byte a
> > value of 1 less than on my IP. Knowing less than little of the inner
> > workings of routing, I'm still a little surprised by line 2 where the
> > last of the four IP bytes is 2 less than on my external nic. This
> > being link#2 and all...
> >
> > From my XP client (at 192.168.0.145) I'm able to tracert machines
> > behind the firewall to my firewall/VPN server at 192.168.0.1, but no
> > further.
> >
> > Anyone have any idea what I'm up against? Is there some setting in the
> > PoPToP or PPP config files reagrding routing? Or is this perhaps noe a
> > routing problem at all? How can I figure out if it is?
> >
> > All suggestions appriciated :)
> >
> > - 4rch3v15
>
>
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