

Re: Problems with FreeBSD PPPOE server

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/isp/2007-12/msg00009.html>

- *From:* muhammad usman <usmanbsd@xxxxxxxxx>
 - *Date:* Mon, 17 Dec 2007 23:37:32 -0800 (PST)
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I guess your lqrperiod is little long, as it will send 5 lqr echos and if will not receive any response will disconnect on time of 6th.

6 x 30 sec = 3 minutes.

If LQR still creates problems for you , may be you should try LCP Echo.

option "set ifaddr 10.0.1.1 10.0.1.2-10.0.1.255" is assigning ips within range 10.0.1.2-10.0.1.255 to clients. I dont think pppoe of freebsd supports to assign ips from a defined ip pool in radius. you need to change it like "set ifaddr 88.85.109.1 88.85.109.2-128"

Also please make sure that you have created enough TUN devices in /dev.

Regards
usman

----- Original Message -----

From: Ljupco Vangelski <ljupco.vangelski@xxxxxxxxx>
To: freebsd-isp@xxxxxxxxxxxxx
Sent: Wednesday, November 21, 2007 6:43:10 PM
Subject: Problems with FreeBSD PPPOE server

Hi, first I want to apologize for the size of this mail, but I want to explain the situation better. I'm using a FreeBSD PPPoE server and freeRadius RADIUS server for providing dsl services to clients. My configuratino is as follows:

- FreeBSD 6.0
- user PPP for PPPoE server
- freeRadius 1.1.6 for RADIUS server

I have multiple vlan's on one network interface, and I have different PPPoE servers listening on each one:

```
/usr/libexec/pppoed -d -P /var/run/pppoed-1.pid -a PPPoE-Service-1 -l  
ppppe-1 vlan1  
/usr/libexec/pppoed -d -P /var/run/pppoed-2.pid -a PPPoE-Service-3 -l  
ppppe-2 vlan2  
/usr/libexec/pppoed -d -P /var/run/pppoed-3.pid -a PPPoE-Service-3 -l  
ppppe-3 vlan3
```

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My ppp.conf looks like this:

```
pppoe-1:
set log Chat Command Phase Alert Error TUN
enable pap
allow mode direct
disable ipv6cp
set mru 1492
set mtu 1492
set timeout 0
enable lqr echo
set lqrperiod 30
set ifaddr 10.0.1.1 10.0.1.2-10.0.1.255
set radius /etc/ppp/radius.conf
set rad_alive 60
set dns {ip-ns1} {ip-ns2}
accept dns
```

```
pppoe-2:
set log Chat Command Phase Alert Error TUN
enable pap
allow mode direct
disable ipv6cp
set mru 1492
set mtu 1492
set timeout 0
enable lqr echo
set lqrperiod 30
set ifaddr 10.0.2.1 10.0.2.2-10.0.2.255
set radius /etc/ppp/radius.conf
set rad_alive 60
set dns {ip-ns1} {ip-ns2}
accept dns
```

```
pppoe-3:
set log Chat Command Phase Alert Error TUN
enable pap
allow mode direct
disable ipv6cp
set mru 1492
set mtu 1492
set timeout 0
enable lqr echo
set lqrperiod 30
set ifaddr 10.0.3.1 10.0.3.2-10.0.3.255
set radius /etc/ppp/radius.conf
set rad_alive 60
set dns {ip-ns1} {ip-ns2}
acc
```