

freebsd-current: I just installed pf on a new server w/current and nat doesn't seem to work.

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Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2005-07/0883.html>

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To: current@freebsd.org

My major problem is that I am over 2500 miles from the server and in another country. I have configured a current box with the idea of stoping at 6.0 but that is another issue.

It would seem that pf nat isn't working. The machines on the lan pickup there configuration from dhcpd and can ping their gateway 192.168.1.1 (em0 on the server) and 65.81.102.2 (em1 on the server) but cannot ping 65.81.102.1 the server's gateway. It would seem that there are issues with either ip forwarding or pf nat. when I do a pfctl -vv -s Interfaces I get all zeros even though I am creating traffic on the server. That doesn't seem to be right.

My configurations follow. I would sure appreciate any suggestions because I'm afraid that I've missed something. That is usually the case with problems like this.

```
# sysctl net.inet.ip.forwarding
net.inet.ip.forwarding: 1
```

```
/etc/pf.conf:
```

```
int_if = "em0"
ext_if = "em1"
```

```
udp_services = "{ 53 }"
tcp_services = "{ 22, 25, 53, 80, 110, 113, 123, 143, 389, 3128 }"
icmp_types = "echoreq"
priv_nets = "{ 0.0.0.0/8, 20.20.20.0/24, 169.254.0.0/16, 127.0.0.0/8,
192.168.0.0/16, 172.16.0.0/12, 10.0.0.0/8, 224.0.0.0/3 }"
```

```
# options
set block-policy return
set loginterface $ext_if
```

```
# scrub
```

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```
scrub in all
```

```
# nat/rdr
```

```
nat on $ext_if from $int_if:network to any -> ($ext_if)
```

```
rdr on $int_if inet proto tcp from any to any port www -> 127.0.0.1 port 3128
```

```
# filter rules
```

```
block all
```

```
pass quick on lo0 all
```

```
block drop in quick on $ext_if from $priv_nets to any
```

```
block drop out quick on $ext_if from any to $priv_nets
```

```
pass in on $ext_if inet proto udp from any to ($ext_if) port
```

```
$udp_services keep state
```

```
pass in on $ext_if inet proto tcp from any to ($ext_if) port
```

```
$tcp_services flags S/SA keep state
```

```
pass in on $int_if inet proto tcp from any to 127.0.0.1 port 3128 keep state
```

```
pass out on $ext_if inet proto tcp from any to any port www keep state
```

```
pass in inet proto icmp all icmp-type $icmp_types keep state
```

```
pass in on $int_if from $int_if:network to any keep state
```

```
pass out on $int_if from any to $int_if:network keep state
```

```
pass out on $ext_if proto tcp all modulate state flags S/SA
```

```
pass out on $ext_if proto { udp, icmp } all keep state
```

```
rc.conf:
```

```
ifconfig_em0="inet 192.168.1.1 netmask 255.255.255.0"
```

```
ifconfig_em1="inet 65.81.102.2 netmask 255.255.255.248"
```

```
defaultrouter="65.81.102.1" gateway_enable="YES" pf_enable="YES"
```

```
pf_rules="/etc/pf.conf"
```

```
pf_program="/sbin/pfctl"
```

```
pf_flags=""
```

```
pflog_enable="YES"
```

```
pflog_logfile="/var/log/pflog"
```

```
pflog_program="/sbin/pflogd"
```

```
pflog_flags=""
```

```
# PF Kernel Config
```

```
device pf
```

```
device pflog
```

```
device pfsync
```

```
options ALTQ
```

```
options ALTQ_CBQ
```

```
options ALTQ_RED
```

```
options ALTQ_RIO
```

```
options ALTQ_HFSC
```

```
options ALTQ_CDNR
```

```
options ALTQ_PRIQ
```

Where else could it be? I have several other machines that have very similar configurations and with no problems, of course they are all within a 2 hour drive ;)

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Thanks for any help or suggestions.

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freebsd-current@freebsd.org mailing list

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