
Subject: 2.6.8 nat not work

Posted by [m_o_d](#) on Thu, 29 Jun 2006 11:56:47 GMT

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Hello

I have debian 3.1 with 2.6.8+patch-022stab078-combined.

On Host i have 1 public ip so for VEs i use 192.168.1.101 in host i add:

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

and in iptables:

```
IPT=/sbin/iptables
IPTF="$IPT -t filter"
IPTN="$IPT -t nat"
$IPTN -A POSTROUTING -s 192.168.1.0/24 -o eth4 -j SNAT --to ip
$IPTF -A FORWARD -i venet0 -s 192.168.1.0/24 -o eth4 -d 0/0 -j ACCEPT
$IPTF -A FORWARD -i eth4 -s 0/0 -o venet0 -d 192.168.1.0/24 -j ACCEPT
```

venet0 in host have ip 192.168.1.1:

```
1: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
    link/void
    inet 192.168.1.1/24 brd 192.168.1.255 scope global venet0
```

and in VEs:

```
venet0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
    inet addr:192.168.1.101 P-t-P:192.168.1.101 Bcast:192.168.1.255 Mask:255.255.255.0
```

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
192.168.1.0	0.0.0.0	255.255.255.0	U	0	0	0	venet0
0.0.0.0	192.168.1.1	0.0.0.0	UG	0	0	0	venet0

With that config i can ping from VEs public ip on host and from host ip on VEs, but if i want ping world don't work.

In iptables filter table on forward chain i saw incoming packet from VEs but the packet are not going to nat table:

```
Chain POSTROUTING (policy ACCEPT 0 packets, 0 bytes)
  pkts bytes target    prot opt in     out     source          destination
   0    0 SNAT      all  --  *      eth4    192.168.1.0/24  0.0.0.0/0      to:80.48.115.12
Chain POSTROUTING (policy ACCEPT 0 packets, 0 bytes)
```

pkts	bytes	target	prot	opt	in	out	source	destination
0	0	SNAT	all	--	*	eth4	192.168.1.0/24	0.0.0.0/0 to:80.48.115.12

PS. In /etc/modules.conf i have:

```
options ip_conntrack ip_conntrack_enable_ve0=1
```

What i have done wrong ?
