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Subject: Re: NAT doesn't seem to work

Posted by [duswil](#) on Tue, 08 Aug 2006 02:09:17 GMT

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```
[root@hn net]# cat /proc/sys/net/ipv4/conf/eth0/proxy_arp
0
```

```
[root@hn net]# cat /proc/sys/net/ipv4/conf/venet0/proxy_arp
0
```

```
[root@hn net]# cat /proc/sys/net/ipv4/conf/all/proxy_arp
0
```

```
[root@hn net]# iptables -t nat -vnL POSTROUTING
Chain POSTROUTING (policy ACCEPT 0 packets, 0 bytes)
pkts bytes target  prot opt in  out  source      destination
  0    0 SNAT    all  --  *   eth0  172.16.0.0/16  0.0.0.0/0    to:27.16.122.72
```

```
[root@hn net]# route
Kernel IP routing table
Destination  Gateway      Genmask      Flags Metric Ref  Use Iface
172.16.2.1   *           255.255.255.255 UH  0    0    0 venet0
172.16.4.1   *           255.255.255.255 UH  0    0    0 venet0
172.16.2.2   *           255.255.255.255 UH  0    0    0 venet0
27.16.122.129 *          255.255.255.255 UH  0    0    0 venet0
27.16.122.128 *          255.255.255.255 UH  0    0    0 venet0
27.16.122.131 *          255.255.255.255 UH  0    0    0 venet0
27.16.122.130 *          255.255.255.255 UH  0    0    0 venet0
172.16.1.1   *           255.255.255.255 UH  0    0    0 venet0
172.16.3.1   *           255.255.255.255 UH  0    0    0 venet0
172.16.3.3   *           255.255.255.255 UH  0    0    0 venet0
27.16.122.134 *          255.255.255.255 UH  0    0    0 venet0
27.16.122.0  *           255.255.255.192 U  0    0    0 eth0
169.254.0.0  *           255.255.0.0    U  0    0    0 eth0
default     27.16.122.1 0.0.0.0        UG  0    0    0 eth0
```

```
[root@hn ~]# cd /proc/sys/net/ipv4/conf
[root@hn conf]# for i in */*; do echo $i; cat $i; done
all/accept_redirects
0
all/accept_source_route
0
all/arp_announce
0
all/arp_filter
0
all/arp_ignore
0
```

all/bootp\_relay  
0  
all/disable\_policy  
0  
all/disable\_xfrm  
0  
all/force\_igmp\_version  
0  
all/forwarding  
1  
all/log\_martians  
0  
all/mc\_forwarding  
0  
all/medium\_id  
0  
all/proxy\_arp  
0  
all/rp\_filter  
0  
all/secure\_redirects  
1  
all/send\_redirects  
0  
all/shared\_media  
1  
all/tag  
0  
default/accept\_redirects  
1  
default/accept\_source\_route  
0  
default/arp\_announce  
0  
default/arp\_filter  
0  
default/arp\_ignore  
0  
default/bootp\_relay  
0  
default/disable\_policy  
0  
default/disable\_xfrm  
0  
default/force\_igmp\_version  
0  
default/forwarding  
1

default/log\_martians  
0  
default/mc\_forwarding  
0  
default/medium\_id  
0  
default/proxy\_arp  
0  
default/rp\_filter  
1  
default/secure\_redirects  
1  
default/send\_redirects  
1  
default/shared\_media  
1  
default/tag  
0  
eth0/accept\_redirects  
1  
eth0/accept\_source\_route  
0  
eth0/arp\_announce  
0  
eth0/arp\_filter  
0  
eth0/arp\_ignore  
0  
eth0/bootp\_relay  
0  
eth0/disable\_policy  
0  
eth0/disable\_xfrm  
0  
eth0/force\_igmp\_version  
0  
eth0/forwarding  
1  
eth0/log\_martians  
0  
eth0/mc\_forwarding  
0  
eth0/medium\_id  
0  
eth0/proxy\_arp  
0  
eth0/rp\_filter  
1

eth0/secure\_redirects  
1  
eth0/send\_redirects  
1  
eth0/shared\_media  
1  
eth0/tag  
0  
lo/accept\_redirects  
1  
lo/accept\_source\_route  
0  
lo/arp\_announce  
0  
lo/arp\_filter  
0  
lo/arp\_ignore  
0  
lo/bootp\_relay  
0  
lo/disable\_policy  
0  
lo/disable\_xfrm  
0  
lo/force\_igmp\_version  
0  
lo/forwarding  
1  
lo/log\_martians  
0  
lo/mc\_forwarding  
0  
lo/medium\_id  
0  
lo/proxy\_arp  
0  
lo/rp\_filter  
1  
lo/secure\_redirects  
1  
lo/send\_redirects  
1  
lo/shared\_media  
1  
lo/tag  
0  
venet0/accept\_redirects  
1

```
venet0/accept_source_route
0
venet0/arp_announce
0
venet0/arp_filter
0
venet0/arp_ignore
0
venet0/bootp_relay
0
venet0/disable_policy
0
venet0/disable_xfrm
0
venet0/force_igmp_version
0
venet0/forwarding
1
venet0/log_martians
0
venet0/mc_forwarding
0
venet0/medium_id
0
venet0/proxy_arp
0
venet0/rp_filter
1
venet0/secure_redirects
1
venet0/send_redirects
0
venet0/shared_media
1
venet0/tag
0
```

```
[root@hn ~]# ifconfig
```

```
eth0    Link encap:Ethernet  HWaddr 00:0E:0C:83:4A:90
        inet addr:27.16.122.72  Bcast:27.16.122.108  Mask:255.255.255.192
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:386 errors:0 dropped:0 overruns:0 frame:0
        TX packets:387 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:41379 (40.4 KiB)  TX bytes:46938 (45.8 KiB)
```

```
lo      Link encap:Local Loopback
        inet addr:127.0.0.1  Mask:255.0.0.0
```

UP LOOPBACK RUNNING MTU:16436 Metric:1  
RX packets:417 errors:0 dropped:0 overruns:0 frame:0  
TX packets:417 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:36545 (35.6 KiB) TX bytes:36545 (35.6 KiB)

venet0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00  
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1  
RX packets:18 errors:0 dropped:0 overruns:0 frame:0  
TX packets:8 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:2029 (1.9 KiB) TX bytes:1901 (1.8 KiB)

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