
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)
