Subject: *SOLVED* nat not working
Posted by nonamesir on Wed, 14 Feb 2007 01:33:25 GMT
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edit: problem solved, turns out the vm's ip settings were messed up and i had the ips the other way around for the NAT rule

I'm trying to get the VE to communicate with the outside world. here is the vm's info:

```
oot@vm101:~# ifconfig
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:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:0 (0.0 b)  TX bytes:0 (0.0 b)

venet0    Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
          inet addr:127.0.0.1  P-t-P:127.0.0.1  Bcast:0.0.0.0  Mask:255.255.255.255
          UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
          RX packets:404 errors:0 dropped:0 overruns:0 frame:0
          TX packets:318 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:33172 (32.3 KiB)  TX bytes:44637 (43.5 KiB)

venet0:0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
          inet addr:192.168.2.10  P-t-P:192.168.2.10  Bcast:0.0.0.0  Mask:255.255.255.255
          UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1

root@vm101:~# route -N
Kernel IP routing table
Destination     Gateway         Genmask         Flags Metric Ref    Use Iface
192.0.2.1       0.0.0.0         255.255.255.255 UH    0      0        0 venet0
0.0.0.0         192.0.2.1       0.0.0.0         UG    0      0        0 venet0
```

And, on the Host's side, the information is:

```
[root@MyTestBox ~]# ifconfig
eth0      Link encap:Ethernet  HWaddr 00:0C:29:91:38:FB
          inet addr:192.168.0.127  Bcast:192.168.0.255  Mask:255.255.255.0
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:53056 errors:0 dropped:0 overruns:0 frame:0
          TX packets:34999 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
```

RX bytes:68221259 (65.0 MiB) TX bytes:3327550 (3.1 MiB)
Interrupt:17 Base address:0x1400

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:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:0 (0.0 b) TX bytes:0 (0.0 b)

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:366 errors:0 dropped:0 overruns:0 frame:0
TX packets:460 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:50701 (49.5 KiB) TX bytes:36884 (36.0 KiB)

i research the docs and ran this on the host

[root@MyTestBox ~]# iptables -t nat -A POSTROUTING -s 192.168.0.127 -o eth0 -j SNAT --to 192.168.2.10

[root@MyTestBox ~]# iptables -L
Chain INPUT (policy ACCEPT)
target prot opt source destination

Chain FORWARD (policy ACCEPT)
target prot opt source destination

Chain OUTPUT (policy ACCEPT)
target prot opt source destination

The VE can ping the host machine, the host machine can ping google, however the VE can't ping any outside IPs or domain names.