Subject: Cannot access outside LAN
Posted by ExoCranial on Tue, 19 Oct 2010 10:27:36 GMT
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I don't know much about networking, sorry. But I find it better to post here than search for a solution for several months. Yes, my knowledge is that bad. Maybe someone can help with a simple fix?

My laptop is connected to a router (via a switch) and its IP is given by DHCP. The host OS is Debian Lenny with the kernel 2.6.32-5-openvz-amd64.

What I want to start with is to get access outside my virtual LAN. For example, at this moment I am not able to ping google from my VM. I can ping my network cards, but I cannot ping the router (with IP 192.168.1.1) from the VM. Since I use a laptop, I prefer to have my IP given by DHCP to host eth0. I guess my problem has some name server issues.

Iptables are currently uninstalled. I'll configure it later.

My sysctl.conf is following:

Quote:net.ipv4.conf.all.rp_filter=1
net.ipv4.icmp_echo_ignore_broadcasts=1
net.ipv4.conf.default.forwarding=1
net.ipv4.conf.default.proxy_arp = 0
net.ipv4.ip_forward=1
kernel.sysrq = 1
net.ipv4.conf.default.send_redirects = 1
net.ipv4.conf.all.send_redirects = 0
net.ipv4.conf.eth0.proxy_arp=1

host interface:

Quote:mikael@T4220:~$ more /etc/network/interfaces
network interface settings
auto lo
iface lo inet loopback

auto eth0
iface eth0 inet dhcp
mikael@T4220:~$

and then when I run ifconfig in the host I get following:

Quote:T4220:/home/mikael# ifconfig
eth0 Link encap:Ethernet HWaddr 00:17:XX:XX:XX:XX
inet addr:192.168.1.101 Bcast:192.168.1.255 Mask:255.255.255.0
inet6 addr: fe80::217:42ff:fe92:35d8/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1

RX packets:120786 errors:0 dropped:0 overruns:0 frame:0
TX packets:72857 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:172324851 (164.3 MiB) TX bytes:4611498 (4.3 MiB)
Interrupt:16

lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
inet6 addr: ::1/128 Scope:Host
UP LOOPBACK RUNNING MTU:16436 Metric:1
RX packets:2171 errors:0 dropped:0 overruns:0 frame:0
TX packets:2171 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:1596341 (1.5 MiB) TX bytes:1596341 (1.5 MiB)

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: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)

T4220:/home/mikael#

the same things inside my VM gives following:

Quote:root@router:/# more /etc/network/interfaces
This configuration file is auto-generated.
WARNING: Do not edit this file, your changes will be lost.
Please create/edit /etc/network/interfaces.head and /etc/network/interfaces.ta
il instead,
their contents will be inserted at the beginning and at the end
of this file, respectively.
#
NOTE: it is NOT guaranteed that the contents of /etc/network/interfaces.tail
will be at the very end of this file.
Auto generated lo interface
auto lo
iface lo inet loopback
Auto generated venet0 interface
auto venet0
iface venet0 inet static
address 127.0.0.1
netmask 255.255.255.255
broadcast 0.0.0.0
up route add -net 192.0.2.1 netmask 255.255.255.255 dev venet0
auto venet0:0
iface venet0:0 inet static

address 192.168.77.101
netmask 255.255.255.255
broadcast 0.0.0.0
gateway 192.0.2.1

```
root@router:/# ifconfig
lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:16 errors:0 dropped:0 overruns:0 frame:0
          TX packets:16 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:1056 (1.0 KiB)  TX bytes:1056 (1.0 KiB)

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: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)

venet0:0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
          inet addr:192.168.77.101  P-t-P:192.168.77.101  Bcast:0.0.0.0  Mask:255.255.255.255
          UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1

root@router:/#
```

In /etc/vz/vz.conf I got NEIGHBOUR_DEVS=all.

So what else do I need to configure to access internet from my VM?

Thank you!