
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!