
Subject: Help please with setting up networking inside a VE

Posted by [dragos2](#) on Mon, 24 Aug 2009 12:07:56 GMT

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I am running an Ubuntu 8.04 64 bit

```
# uname -a
2.6.24-24-openvz
```

The server has a public IP address and name, and has internet connectivity(I configure it through ssh).

The problem is that I can't get networking to work inside a new VE, for example the precreated ubuntu-8.04-x86

```
vzctl create 777 --ostemplate ubuntu-8.04-x86
vzctl start 777
vzctl set 777 --ip 193.*.* --hostname mydomain.anotherdomain.com --nameserver 193.x.y.z
--save
```

The ifconfig outside the ve:

```
root@deb01:~# ifconfig
eth1  Link encap:Ethernet HWaddr 00:1e:68:04:69:08
      inet addr:193.19.*.* Bcast:193.19.*.* Mask:255.255.255.0
      inet6 addr: fe-----e04:6908/64 Scope:Link
      UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
      RX packets:242768 errors:0 dropped:0 overruns:0 frame:0
      TX packets:123061 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:1000
      RX bytes:337725456 (322.0 MB) TX bytes:9318291 (8.8 MB)
      Interrupt:17

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:1 errors:0 dropped:0 overruns:0 frame:0
      TX packets:1 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:0
      RX bytes:88 (88.0 B) TX bytes:88 (88.0 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:11 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:660 (660.0 B) TX bytes:0 (0.0 B)
```

Inside the VE:

```
root@deb01:/# 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:12 errors:0 dropped:0 overruns:0 frame:0
      TX packets:12 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:0
      RX bytes:600 (600.0 B) TX bytes:600 (600.0 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: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:193.19.*.* P-t-P:193.19.*.* Bcast:0.0.0.0 Mask:255.255.255.255
      UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
```

The sysctl.conf

```
# On Hardware Node we generally need
# packet forwarding enabled and proxy arp disabled
```

```
net.ipv4.conf.default.forwarding=1
net.ipv4.conf.default.proxy_arp=1
net.ipv4.ip_forward=1
```

```
# Enables source route verification
net.ipv4.conf.all.rp_filter = 1
```

```
# Enables the magic-sysrq key
kernel.sysrq = 1
```

```
# TCP Explicit Congestion Notification
```

```
#net.ipv4.tcp_ecn = 0
```

```
# we do not want all our interfaces to send redirects  
net.ipv4.conf.default.send_redirects = 1  
net.ipv4.conf.all.send_redirects = 0
```

Inside the VE there is no internet.

Any suggestions of what to do more ?