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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 ?

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Subject: Re: Help please with setting up networking inside a VE  
Posted by [curx](#) on Mon, 24 Aug 2009 12:34:56 GMT  
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Hi,

your CT (=container) and hostnode share not the same IP, right, ok  
... and your iptables rules set is "clean" not an "firewall" is configured ?

Bye,  
Thorsten

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Subject: Re: Help please with setting up networking inside a VE  
Posted by [dragos2](#) on Tue, 25 Aug 2009 08:37:57 GMT  
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Sorry but I don't understand your reply.

Both container and VE share same public IP.  
Is this wrong ?

Firewall is ufw enabled with ssh open.

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Subject: Re: Help please with setting up networking inside a VE  
Posted by [bithead2](#) on Thu, 27 Aug 2009 14:30:04 GMT  
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The container and VE cannot have the same IP address.

CJ

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