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Subject: IP pooling on new dedicated server  
Posted by [lucianors](#) on Fri, 08 Oct 2010 21:39:38 GMT  
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Hello guys.

I am so sorry if this is a recurrent topic.

I bought a new Debian dedicated server and i received 5 real ip addresses:

66.198.237.165-169

```
netmask 255.255.255.248
broadcast 66.198.237.175
network 66.198.237.160
gateway 66.198.237.161
```

I am running a openvz enabled kernel, and i got the proper tools installed and have setted the sysctl.conf variables.

this is the host's ifconfig output

```
eth0    Link encap:Ethernet  HWaddr 00:27:0e:01:db:e1
        inet addr:66.198.237.165  Bcast:66.198.237.175  Mask:255.255.255.248
        inet6 addr: fe80::227:eff:fe02:dbe1/64 Scope:Link
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:244980 errors:0 dropped:0 overruns:0 frame:0
        TX packets:244481 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:100
        RX bytes:19434946 (18.5 MiB)  TX bytes:19933167 (19.0 MiB)
        Memory:d0600000-d0620000

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:324 errors:0 dropped:0 overruns:0 frame:0
        TX packets:324 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:43617 (42.5 KiB)  TX bytes:43617 (42.5 KiB)

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:44664 errors:0 dropped:0 overruns:0 frame:0
        TX packets:41445 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:8111594 (7.7 MiB)  TX bytes:5382169 (5.1 MiB)
```

I want to allocate the other ips (66.198.237.166-169) to vz machines. I created two VZ containers using OpenVz Web Panel.  
I configured each of them with the same network config of the host (gateway, broadcast, ...).

```
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:36 errors:0 dropped:0 overruns:0 frame:0
      TX packets:36 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:0

venet0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
        -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:5713 errors:0 dropped:0 overruns:0 frame:0
      TX packets:5977 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:0

venet0:0  Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
        -00
      inet addr:66.198.237.167  P-t-P:66.198.237.167  Bcast:66.198.237.175
        Mask:255.255.255.248
      UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
```

interfaces:

```
auto lo
iface lo inet loopback
```

```
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
    up route add default gw 192.0.2.1
```

```
auto venet0:0
iface venet0:0 inet static
    address 66.198.237.167
    netmask 255.255.255.248
    broadcast 66.198.237.175
    network 66.198.237.160
    gateway 66.198.237.161
```

The problem is that this configuration is very unstable so far. At first, when i created the vz containers i couldn't ping the assignated ip from outside, then i have to reboot the container twice to get it working. I keep loosing them times to times. They get lost when i reboot the host machine too.

I would appreciate any help.

Thank you

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