

---

Subject: openvz instance can't assign or keep an IP address

Posted by [3y3d0l](#) on Mon, 22 Mar 2010 22:10:05 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Have an Openvz machine with 4 instances running on it, 3 of them with no issues. Within the past few days, one of the 4 instances stopped responding to pings, upon logging into the instance and doing an ifconfig, saw -

```
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: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  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:10995 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:554192 (541.2 KiB)  TX bytes:0 (0.0 b)
```

notice the lack of the IP address.

When I run vzlist on the parent machine, the instance is listed normally with an IP address showing -

```
[root@bertha sbin]# vzlist
CTID    NPROC STATUS IP_ADDR    HOSTNAME
101     91 running 216.19.223.160 smtp-160.getnet.net
102     74 running 216.19.223.161 smtp-161.getnet.net
103     61 running 216.19.223.162 smtp-162.getnet.net
104      8 running 216.19.223.26  cache2.getnet.net
```

If I restart the instance, it seems to restart normally -

```
[root@bertha sbin]# vzctl restart 103
Restarting container
Stopping container ...
Container was stopped
Container is unmounted
Starting container ...
Container is mounted
Adding IP address(es): 216.19.223.162
Setting CPU units: 59787
Configure meminfo: 1216150
```

Set hostname: smtp-162.getnet.net  
File resolv.conf was modified  
Container start in progress...

I can remove the IP address using vzctl -

```
[root@bertha sbin]# vzctl set 103 --ipdel 216.19.223.162 --save
Deleting IP address(es): 216.19.223.162
Saved parameters for CT 103
```

However when I try to re-add the IP address the following error occurs -

```
[root@bertha sbin]# vzctl set 103 --ipadd 216.19.223.162 --save
Adding IP address(es): 216.19.223.162
SIOCADDRT: Network is unreachable
Saved parameters for CT 103
```

After adding the IP address again, despite the error, the IP address does show up if I run 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: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  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:148 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:7760 (7.5 KiB)  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:216.19.223.162  P-t-P:216.19.223.162  Bcast:216.19.223.162
        Mask:255.255.255.255
        UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
```

But it isn't functional and disappears following a restart of the instance.

I can add the same IP address to another VPS and it works fine, and trying to add or change the IP address on the non-functioning VPS has the same results.

The other instances on the same machine, including a brand new one that I created so I could test with the same IP addresses all function fine, so there has to be something specific to this instance

causing the issue. Has anyone run into something similar? Any suggestions for what I should look for on the malfunctioning instance? I would really rather avoid having to redo everything on a new VPS if possible.

---

---

Subject: Re: openvz instance can't assign or keep an IP address

Posted by [Reverse Internet](#) on Tue, 13 Apr 2010 05:39:34 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Reverseinternet.com has recently launched reverse IP address lookup service that can find other websites hosted on the same IP. You can also cross-reference websites based on Google Analytics and Google AdSense IDs.

---