Subject: openvz instance can't assign or keep an IP address
Posted by 3y3d0l on Mon, 22 Mar 2010 22:10:05 GMT
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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.