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Subject: network differences between Virtuozzo and OpenVZ

Posted by [galaxy](#) on Sun, 14 Feb 2010 04:15:08 GMT

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I need to move a container from Virtuozzo to OpenVZ. When I moved the container over, all looked well, however I could not reach any IP's of the container on the OpenVZ node, however it works fine with Virtuozzo.

In both cases, the HW (hardware node) only has a private IP address on the physical interface. The containers may have either private, public or both.

Here's the configuration:

Virtuozzo HW:

IP: 10.0.0.21

Gateway: 10.0.0.2

additional static route added in /etc/init.d/network for VPN:

```
/sbin/route add -net 10.1.2.0 netmask 255.255.255.0 gw 10.0.0.254
```

Inside Virtuozzo container:

IP: Hundreds of them in public space

GATEWAY="191.255.255.1"

(I'm not sure why the gateway is set to that, but VZ set that up)

On the OpenVZ HW node:

IP: 10.0.0.22

Gateway: 10.0.0.2

same static route above is added

Inside the OpenVZ container:

Same IP's, Gateway seems to be set to 192.0.2.1 (but again I did not set that).

Note that from the hardware node (in both cases), I can ping all the public addresses. But if I go to another host with only public IP's, I can only ping the ones on Virtuozzo, but none of them on OpenVZ.

So what are the differences between networking in Virtuozzo and OpenVZ?

I thought I could just rsync over the VE from /vz/private/root/101 on Virtuozzo (while mounted) to the OpenVZ node to /vz/private/101 and copy the 101.conf file from /etc/sysconfig/vz-scripts/101.conf

What am I missing?

Thanks in advance...

EDIT: One thing I forgot to mention is that this USED to work with an older version of OpenVZ. I just realized that I totally rebuilt the server and put all newer software on it. The prior version that worked was when Fedora Core 1 was out.

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Subject: Re: network differences between Virtuozzo and OpenVZ

Posted by [galaxy](#) on Mon, 15 Feb 2010 16:13:53 GMT

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Well, this was easier than expected, however not documented well at all.

Essentially all I had to do was edit /etc/vz/vz.conf

change the following:

```
VE_ROUTE_SRC_DEV="eth0"
```

```
NEIGHBOUR_DEVS=all
```

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