
Subject: OpenVZ and Virtuozzo
Posted by [catbones](#) on Wed, 30 May 2007 01:04:59 GMT
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Hello,

Okey, at this point, I've tried everything and still no luck.

I'm pretty sure it something I'm missing configuring the network. I've tried to use OpenVZ and Virtuozzo. I get the same results with both.

My problem, I install VZ, create the VE with OS, etc.. enter the one of the extra IPs, I got with the server (example: 70.22.201.192 - came as extra available ip with the server), setup a hostname, have it auto boot, and restart the VE. Everything is fine at this point, the VE starts, I can enter it using VZCTL ENTER 101.

Now I can't ssh into it using the IP, if I set something out of the blue, like 10.1.111.0.

Yes than I can ssh into it... now if I ssh into the VE from within the HN, I can look at the dirs, etc.. I just can't ping anything out or in. If I try to install cpanel, well nothing.

Anyone have a clue what I am missing.

Subject: Re: OpenVZ and Virtuozzo
Posted by [kir](#) on Wed, 30 May 2007 01:26:50 GMT
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Perhaps you haven't enabled IP forwarding? What does
cat /proc/sys/net/ipv4/ip_forward
shows? Should be 1.

Subject: Re: OpenVZ and Virtuozzo
Posted by [catbones](#) on Wed, 30 May 2007 02:13:43 GMT
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Thanks, tried that and it comes back with "1" as enabled.

I'm thinking maybe Im not entering the OpenVZ Kernel but the regular OS Kernel...

Subject: Re: OpenVZ and Virtuozzo
Posted by [ugob](#) on Wed, 30 May 2007 02:35:14 GMT
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uname -a

Subject: Re: OpenVZ and Virtuozzo
Posted by [Ashley](#) on Wed, 30 May 2007 07:18:45 GMT
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If you had entered the normal kernel it would not even load/start the vps.

Have you made sure you are setting the correct nameservers for the VPS, also do you have a firewall started, on the host node run service iptables stop.

Then try.

Subject: Re: OpenVZ and Virtuozzo
Posted by [catbones](#) on Wed, 30 May 2007 13:44:18 GMT
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Hi,

Thank you to everyone for helping!

I will try all of the above tips, as for the nameservers, I think I am using the correct ones.

Regarding correct Kernel, after installing OpenVZ, I just reboot the machine and than get the prompt again. Do I need the concole to select which kernel to use at boot up of the machine ?

Thanks again!

Subject: Re: OpenVZ and Virtuozzo
Posted by [rickb](#) on Wed, 30 May 2007 16:44:30 GMT
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```
#cat /etc/grub.conf
```

paste it here and we will tell you.

Subject: Re: OpenVZ and Virtuozzo
Posted by [catbones](#) on Wed, 30 May 2007 17:08:49 GMT
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```
title CentOS (2.6.18-8.1.3.el5.028stab033.1)
    root (hd0,0)
    kernel /vmlinuz-2.6.18-8.1.3.el5.028stab033.1 ro root=LABEL=/ console=tty0
console=ttyS1,19200n8
    initrd /initrd-2.6.18-8.1.3.el5.028stab033.1.img
```

```
title CentOS (2.6.9-55.ELsmp)
    root (hd0,0)
    kernel /vmlinuz-2.6.9-55.ELsmp ro root=LABEL=/ console=tty0 console=ttyS1,19200n8
    initrd /initrd-2.6.9-55.ELsmp.img
title CentOS (2.6.9-55.ELhugemem)
    root (hd0,0)
    kernel /vmlinuz-2.6.9-55.ELhugemem ro root=LABEL=/ console=tty0 console=ttyS1,19200n8
    initrd /initrd-2.6.9-55.ELhugemem.img
title CentOS (2.6.9-55.EL)
    root (hd0,0)
    kernel /vmlinuz-2.6.9-55.EL ro root=LABEL=/ console=tty0 console=ttyS1,19200n8
    initrd /initrd-2.6.9-55.EL.img
title CentOS-4 i386 (2.6.9-42.ELsmp)
    root (hd0,0)
    kernel /vmlinuz-2.6.9-42.ELsmp ro root=LABEL=/ console=tty0 console=ttyS1,19200n8
    initrd /initrd-2.6.9-42.ELsmp.img
title CentOS-4 i386-up (2.6.9-42.EL)
    root (hd0,0)
    kernel /vmlinuz-2.6.9-42.EL ro root=LABEL=/ console=tty0 console=ttyS1,19200n8
    initrd /initrd-2.6.9-42.EL.img
```

Subject: Re: OpenVZ and Virtuozzo
Posted by [rickb](#) on Wed, 30 May 2007 17:11:40 GMT
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There should be more above those lines.

If there isn't, don't reboot your server..

Subject: Re: OpenVZ and Virtuozzo
Posted by [catbones](#) on Wed, 30 May 2007 17:39:15 GMT
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Hello,

Actually there is. I don't think its a problem with Kernel, as I can create the VE and set ips, nameservers, etc... I can even enter the VE from the HN. The only think I can't do, is Ping anything from within VE, nor can I install cPanel if I wanted to.

When I do try to ping something from within the VE I entered into, all I get is blank space, looks like its waiting. Than I get no errors, just comes back to prompt.

Any ideas?

```
=====
# grub.conf generated by anaconda
#
# Note that you do not have to rerun grub after making changes to this file
# NOTICE: You have a /boot partition. This means that
#         all kernel and initrd paths are relative to /boot/, eg.
#         root (hd0,0)
#         kernel /vmlinuz-version ro root=/dev/sda2
#         initrd /initrd-version.img
#boot=/dev/sda
default=0
timeout=20
#splashimage=(hd0,0)/grub/splash.xpm.gz
hiddenmenu
title CentOS (2.6.18-8.1.3.el5.028stab033.1)
    root (hd0,0)
    kernel /vmlinuz-2.6.18-8.1.3.el5.028stab033.1 ro root=LABEL=/ console=tty0
console=ttyS1,19200n8
    initrd /initrd-2.6.18-8.1.3.el5.028stab033.1.img
title CentOS (2.6.9-55.ELsmp)
    root (hd0,0)
    kernel /vmlinuz-2.6.9-55.ELsmp ro root=LABEL=/ console=tty0 console=ttyS1,19200n8
    initrd /initrd-2.6.9-55.ELsmp.img
title CentOS (2.6.9-55.ELhugemem)
    root (hd0,0)
    kernel /vmlinuz-2.6.9-55.ELhugemem ro root=LABEL=/ console=tty0 console=ttyS1,19200n8
    initrd /initrd-2.6.9-55.ELhugemem.img
title CentOS (2.6.9-55.EL)
    root (hd0,0)
    kernel /vmlinuz-2.6.9-55.EL ro root=LABEL=/ console=tty0 console=ttyS1,19200n8
    initrd /initrd-2.6.9-55.EL.img
title CentOS-4 i386 (2.6.9-42.ELsmp)
    root (hd0,0)
    kernel /vmlinuz-2.6.9-42.ELsmp ro root=LABEL=/ console=tty0 console=ttyS1,19200n8
    initrd /initrd-2.6.9-42.ELsmp.img
title CentOS-4 i386-up (2.6.9-42.EL)
    root (hd0,0)
    kernel /vmlinuz-2.6.9-42.EL ro root=LABEL=/ console=tty0 console=ttyS1,19200n8
    initrd /initrd-2.6.9-42.EL.img
```

Subject: Re: OpenVZ and Virtuozzo
Posted by [catbones](#) on Wed, 30 May 2007 18:09:40 GMT
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Hello,

Another update. Looks like I can't even ping the HN from within the VE.

Serious help needed

Subject: Re: OpenVZ and Virtuozzo
Posted by [rickb](#) on Wed, 30 May 2007 18:30:25 GMT
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```
*HN# vzctl set XX --ipdel all --save; vzctl set XX --ipadd x.x.x.x --save; ifconfig; route -n; iptables -L -n; iptables -L -n -t nat; cat /proc/sys/net/ipv4/ip_forward
```

```
*VE# ifconfig
```

```
--
```

run these in seperate terminals:

```
VE# ping 4.2.2.1
```

```
*HN# tcpdump -nvvv -p icmp
```

```
--
```

Paste the output of the commands starting with * and we should be able to see the networking problem.

Subject: Re: OpenVZ and Virtuozzo
Posted by [catbones](#) on Wed, 30 May 2007 19:02:07 GMT
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Thanks for the help in advance.

```
=====
[root@server1 /]# vzctl set 101 --ipdel all --save; vzctl set 101 --ipadd 75.126.166.16 --save;
ifconfig; route -n; iptables -L -n; iptables -L -n -t nat; cat /proc/sys/net/ipv4/ip_forward
Deleting IP address(es): 75.126.166.16
Adding IP address(es):
Saved parameters for VE 101
Adding IP address(es): 75.126.166.16
Saved parameters for VE 101
eth0   Link encap:Ethernet HWaddr 00:30:48:5F:17:BC
       inet addr:10.11.166.194 Bcast:10.11.166.255 Mask:255.255.255.192
```

inet6 addr: fe80::230:48ff:fe5f:17bc/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:2472 errors:0 dropped:0 overruns:0 frame:0
TX packets:2046 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:434333 (424.1 KiB) TX bytes:177055 (172.9 KiB)
Interrupt:58 Base address:0x6000

eth1 Link encap:Ethernet HWaddr 00:30:48:5F:17:BD
inet addr:75.126.141.122 Bcast:75.126.141.127 Mask:255.255.255.248
inet6 addr: fe80::230:48ff:fe5f:17bd/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:15047 errors:0 dropped:0 overruns:0 frame:0
TX packets:13154 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:1481735 (1.4 MiB) TX bytes:1916905 (1.8 MiB)
Interrupt:225

eth1:0 Link encap:Ethernet HWaddr 00:30:48:5F:17:BD
inet addr:75.126.166.16 Bcast:75.126.166.255 Mask:255.255.255.0
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
Interrupt:225

eth1:1 Link encap:Ethernet HWaddr 00:30:48:5F:17:BD
inet addr:75.126.166.17 Bcast:75.126.166.255 Mask:255.255.255.0
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
Interrupt:225

eth1:2 Link encap:Ethernet HWaddr 00:30:48:5F:17:BD
inet addr:75.126.166.18 Bcast:75.126.166.255 Mask:255.255.255.0
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
Interrupt:225

eth1:3 Link encap:Ethernet HWaddr 00:30:48:5F:17:BD
inet addr:75.126.166.19 Bcast:75.126.166.255 Mask:255.255.255.0
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
Interrupt:225

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:64 errors:0 dropped:0 overruns:0 frame:0
TX packets:64 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:7195 (7.0 KiB) TX bytes:7195 (7.0 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:30 errors:0 dropped:0 overruns:0 frame:0
TX packets:10 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:2027 (1.9 KiB) TX bytes:832 (832.0 b)
```

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
75.126.166.16	0.0.0.0	255.255.255.255	UH	0	0	0	venet0
75.126.141.120	0.0.0.0	255.255.255.248	U	0	0	0	eth1
10.11.166.192	0.0.0.0	255.255.255.192	U	0	0	0	eth0
75.126.166.0	0.0.0.0	255.255.255.0	U	0	0	0	eth1
169.254.0.0	0.0.0.0	255.255.0.0	U	0	0	0	eth1
10.0.0.0	10.11.166.193	255.0.0.0	UG	0	0	0	eth0
0.0.0.0	75.126.141.121	0.0.0.0	UG	0	0	0	eth1

Chain INPUT (policy ACCEPT)

```
target prot opt source destination
```

Chain FORWARD (policy ACCEPT)

```
target prot opt source destination
```

Chain OUTPUT (policy ACCEPT)

```
target prot opt source destination
```

Chain PREROUTING (policy ACCEPT)

```
target prot opt source destination
```

Chain POSTROUTING (policy ACCEPT)

```
target prot opt source destination
```

Chain OUTPUT (policy ACCEPT)

```
target prot opt source destination
```

1

```
[root@server1 /]# vzctl enter 101
```

```
entered into VE 101
```

```
[root@vps101 /]# 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
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:1 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:0 (0.0 b) TX bytes:55 (55.0 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:75.126.166.16 P-t-P:75.126.166.16 Bcast:75.126.166.16 Mask:255.255.255.255
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1

=====

=====
[root@vps101 /]# ping 4.2.2.1
PING 4.2.2.1 (4.2.2.1) 56(84) bytes of data.
got signal 15
 exited from VE 101
[root@server1 ~]# tcpdump -nvvv -p icmp
tcpdump: listening on eth0, link-type EN10MB (Ethernet), capture size 96 bytes

0 packets captured
0 packets received by filter
0 packets dropped by kernel
[root@server1 ~]#

=====

There you go.

Subject: Re: OpenVZ and Virtuozzo
Posted by [rickb](#) on Wed, 30 May 2007 19:08:47 GMT
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it looks like your HN and VE both have the address of 75.126.166.16 , is this correct? since the HN and VE are different "devices" on the network, only one should have a given ip address.

Subject: Re: OpenVZ and Virtuozzo
Posted by [catbones](#) on Wed, 30 May 2007 19:10:19 GMT
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Hi,

Actually no, the 75.126.166.16 is one of the free addresses I received when getting the HN. The HN has a different ip.
