
Subject: OpenVZ on Fedora Core 5 (networking question)
Posted by [Aleksandar](#) on Tue, 25 Apr 2006 12:49:32 GMT
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Hello,

after installing and successfully running one OpenVZ VPS I wasn't able to ping or ssh to the VPS. After analyzing a little bit I came to the following:

- 1) host venet0 isn't configured even after `vzctl start 101`
- 2) venet0 in the guest (vps) is set to 127.0.0.1

Is this normal ? I've assigned 10.0.0.1 to the VPS and if I manually configure host's venet0 to 10.0.0.2 and guest's venet0 to 10.0.0.1 (through `vzctl exec`) I'm being able to ping and ssh to the vps.

Also, could someone point me to some detailed information about the OpenVZ networking concept ? Is it like vmware (separate interfaces) ? Is it like jail (ethernet aliases) ? The only thing I found about networking was "`vzctl set XYZ --ipadd A.B.C.D`" :)

thanks,
Aleksandar

Subject: Re: OpenVZ on Fedora Core 5 (networking question)
Posted by [dev](#) on Tue, 25 Apr 2006 16:14:39 GMT
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Aleksandr,

Can you please, provide the following information:

1. kernel version you use:

```
# uname -a
```

2. have you started vz service before VPS start?

```
# /etc/init.d/vz restart
```

3. have you enabled ip forwarding?

```
# cat /proc/sys/net/ipv4/ip_forward
```

4. which template have you used for your VPS?

```
# cat /etc/sysconfig/vz-scripts/101.conf
```

5. from host and VPS:

```
# ip a l
```

```
# ip r l
```

Thanks,
Kirill

> Hello,
>
> after installing and successfully running one OpenVZ VPS I wasn't able
> to ping or ssh to the VPS. After analyzing a little bit I came to the
> following:
> 1) host venet0 isn't configured even after `vzctl start 101`
> 2) venet0 in the guest (vps) is set to 127.0.0.1
>
> Is this normal ? I've assigned 10.0.0.1 to the VPS and if I manually
> configure host's venet0 to 10.0.0.2 and guest's venet0 to 10.0.0.1
> (through `vzctl exec`) I'm being able to ping and ssh to the vps.
>
> Also, could someone point me to some detailed information about the
> OpenVZ networking concept ? Is it like vmware (separate interfaces) ? Is
> it like jail (ethernet aliases) ? The only thing I found about
> networking was "`vzctl set XYZ --ipadd A.B.C.D`" :)
>
> thanks,
> Aleksandar
>
>

Subject: Re: OpenVZ on Fedora Core 5 (networking question)
Posted by [Aleksandar](#) on Tue, 25 Apr 2006 17:25:58 GMT
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Hello Kiril,

just to mention that I've installed the `vz*-3.0.0-7` packages and created the vps with them. I couldn't start the yum update process so I tried to get some help on irc. Someone pointed me to the wrong limits which were for `x86_64`, I've corrected them and since then I was able to start pretty much everything. Since the `*-3.0.0-8` packages were released I've updated to them and I used them to write this email.

regards,
Aleksandar

P.S. Don't forget to scroll down :-)

Kirill Korotaev wrote:

> Aleksandr,
>
> Can you please, provide the following information:

```
> 1. kernel version you use:
> # uname -a
>
Linux somehost.somedomain.net 2.6.16-1.2080_FC5.026test007 #1 Mon Apr 3
18:44:34 MSD 2006 i686 i686 i386 GNU/Linux
> 2. have you started vz service before VPS start?
> # /etc/init.d/vz restart
>
# service vz status
OpenVZ is running...
#service vz restart
Stopping OpenVZ: [OK]
Starting OpenVZ: [OK]
Bringing up interface venet0: [OK]
Configuring interface venet0: net.ipv4.conf.venet0.send_redirects = 0 [OK]
```

I've restarted it a lot of times

```
> 3. have you enabled ip forwarding?
> # cat /proc/sys/net/ipv4/ip_forward
>
# cat /proc/sys/net/ipv4/ip_forward
1
```

I actually don't need forwarding for the moment, because I want to be able to ssh to the vps from the hardware node.

```
> 4. which template have you used for your VPS?
> # cat /etc/sysconfig/vz-scripts/101.conf
>
```

The fedora 5 template and I've updated it with yum through internet, I didn't download the tarball.

```
==== BEGIN 101.conf ====
VERSION="2"
```

```
ONBOOT="no"
CLASSID="2"
```

```
# UBC parameters (in form of barrier:limit)
# Primary parameters
AVNUMPROC="40:40"
NUMPROC="65:65"
NUMTCPSOCK="80:80"
NUMOTHERSOCK="80:80"
VMGUARPAGES="6144:2147483647"
# Secondary parameters
KMEMSIZE="3578265:3816816"
TCPSNDBUF="319488:524288"
TCPRCVBUF="319488:524288"
OTHERSOCKBUF="132096:336896"
DGRAMRCVBUF="132096:132096"
```

```
OOMGUARPAGES="6144:2147483647"
```

```
# Auxiliary parameters
```

```
LOCKEDPAGES="32:32"
```

```
SHMPAGES="8192:8192"
```

```
PRIVVMPAGES="22528:24576"
```

```
NUMFILE="1280:1280"
```

```
NUMFLOCK="100:110"
```

```
NUMPTY="16:16"
```

```
NUMSIGINFO="256:256"
```

```
DCACHESIZE="1048576:1097728"
```

```
PHYSPAGES="0:2147483647"
```

```
NUMIPTENT="128:128"
```

```
# Disk quota parameters (in form of softlimit:hardlimit)
```

```
DISKSPACE="1048576:1153434"
```

```
DISKINODES="200000:220000"
```

```
QUOTATIME="0"
```

```
# CPU fair sheduler parameter
```

```
CPUUNITS="1000"
```

```
OFFLINE_MANAGEMENT="yes"
```

```
VE_ROOT="/vz/root/$VEID"
```

```
VE_PRIVATE="/vz/private/$VEID"
```

```
OSTEMPLATE="fedora-core-5-i386-default"
```

```
ORIGIN_SAMPLE="vps.basic"
```

```
HOSTNAME="www.rousse.org"
```

```
IP_ADDRESS="10.0.0.1"
```

```
NAMESERVER="XX.YY.154.19"
```

```
=== END 101.conf ===
```

```
> 5. from host and VPS:
```

```
> # ip a l
```

```
> # ip r l
```

```
>
```

```
Host:
```

```
# ip a l
```

```
2: lo: <LOOPBACK,UP> mtu 16436 qdisc noqueue  
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00  
inet 127.0.0.1/8 scope host lo  
inet6 ::1/128 scope host
```

```
valid_lft forever preferred_lft forever  
4: eth0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000  
link/ether 00:50:bf:d1:f5:84 brd ff:ff:ff:ff:ff:ff  
inet XX.YY.154.19/27 brd XX.YY.154.31 scope global eth0  
inet XX.YY.154.28/27 brd XX.YY.154.31 scope global secondary eth0:0  
inet6 fe80::250:bfff:fed1:f584/64 scope link  
valid_lft forever preferred_lft forever
```

```
6: sit0: <NOARP> mtu 1480 qdisc noop
```

```
link/sit 0.0.0.0 brd 0.0.0.0
5: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
link/void
# ip r l
XX.YY.154.0/27 dev eth0 proto kernel scope link src XX.YY.154.19
169.254.0.0/16 dev eth0 scope link
default via XX.YY.154.1 dev eth0
```

Guest:

```
# vzctl start 101
Starting VPS ...
VPS is mounted
Adding IP address(es): 10.0.0.1
/bin/cp: preserving times for `/etc/sysconfig/network.2701': Function
not implemented
ERROR: Can't copy file /etc/sysconfig/network
Setting CPU units: 1000
Set hostname: www.rousse.org
/bin/cp: preserving times for `/etc/hosts.2710': Function not implemented
ERROR: Can't copy file /etc/hosts
VPS start in progress...
# vzctl exec 101 ip a l
1: lo: <LOOPBACK,UP> mtu 16436 qdisc noqueue
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo
3: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
link/void
inet 127.0.0.1/32 scope host venet0
# vzctl exec 101 ip r l
191.255.255.0/24 dev venet0 scope host
169.254.0.0/16 dev venet0 scope link
default via 191.255.255.1 dev venet0
```

> Thanks,

> Kirill

>

>> Hello,

>>

>> after installing and successfully running one OpenVZ VPS I wasn't

>> able to ping or ssh to the VPS. After analyzing a little bit I came

>> to the following:

>> 1) host venet0 isn't configured even after `vzctl start 101`

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>>

>> Is this normal ? I've assigned 10.0.0.1 to the VPS and if I manually

>> configure host's venet0 to 10.0.0.2 and guest's venet0 to 10.0.0.1

>> (through `vzctl exec`) I'm being able to ping and ssh to the vps.

>>

>> Also, could someone point me to some detailed information about the
>> OpenVZ networking concept ? Is it like vmware (separate interfaces) ?
>> Is it like jail (ethernet aliases) ? The only thing I found about
>> networking was "vzctl set XYZ --ipadd A.B.C.D" :)
>>
>> thanks,
>> Aleksandar
>>
>>

Subject: Re: OpenVZ on Fedora Core 5 (networking question)

Posted by [Santi](#) on Tue, 25 Apr 2006 22:53:01 GMT

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> Hello,
>
> after installing and successfully running one OpenVZ VPS I wasn't
> able to ping or ssh to the VPS. After analyzing a little bit I came
> to the following:
> 1) host venet0 isn't configured even after vzctl start 101
> 2) venet0 in the guest (vps) is set to 127.0.0.1
>
> Is this normal ? I've assigned 10.0.0.1 to the VPS and if I
> manually configure host's venet0 to 10.0.0.2 and guest's venet0 to
> 10.0.0.1 (through vzctl exec) I'm being able to ping and ssh to the
> vps.
>
> Also, could someone point me to some detailed information about the
> OpenVZ networking concept ? Is it like vmware (separate
> interfaces) ? Is it like jail (ethernet aliases) ? The only thing I
> found about networking was "vzctl set XYZ --ipadd A.B.C.D" :)
>

Hello,

I have similar problem with a freshly installed OpenVZ in a Debian
Sarge box, it's described at:

<http://forum.openvz.org/index.php?t=tree&goto=2725>

Additional command outputs:

```
# uname -a  
Linux midori 2.6.8-022stab076-smp #1 SMP Sun Apr 16 16:32:30 CEST  
2006 i686 GNU/Linux
```

```
# cat /proc/sys/net/ipv4/ip_forward
```

```
1
```

```
# ip a l
```

```
2: lo: <LOOPBACK,UP> mtu 16436 qdisc noqueue
```

```
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
```

```
inet 127.0.0.1/8 scope host lo
```

```
4: eth0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
```

```
link/ether 00:05:1c:19:67:f4 brd ff:ff:ff:ff:ff:ff
```

```
inet xxx/19 brd 255.255.255.255 scope global eth0
```

```
6: eth1: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
```

```
link/ether 00:05:1c:03:26:36 brd ff:ff:ff:ff:ff:ff
```

```
inet 192.168.0.210/24 brd 192.168.0.255 scope global eth1
```

```
3: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
```

```
link/void
```

```
# ip r l
```

```
192.168.0.5 dev venet0 scope link src 83.213.134.130
```

```
192.168.0.6 dev venet0 scope link src 83.213.134.130
```

```
192.168.0.0/24 dev eth1 proto kernel scope link src 192.168.0.210
```

```
83.213.128.0/19 dev eth0 proto kernel scope link src xxx
```

```
default via 83.213.128.1 dev eth0
```

Regards!

--

Santi Saez

Subject: Re: OpenVZ on Fedora Core 5 (networking question)

Posted by [dev](#) on Wed, 26 Apr 2006 07:35:18 GMT

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Aleksandr,

can you please apply workaround for FC5 cp problem as described here:

<http://forum.openvz.org/index.php?t=tree&th=405&mid=2355&&rev=&reveal=>

and recheck the networking.

Thanks,

Kirill

> Hello Kiril,

>

> just to mention that I've installed the vz*-3.0.0-7 packages and created

> the vps with them. I couldn't start the yum update process so I tried to

> get some help on irc. Someone pointed me to the wrong limits which were

> for x86_64, I've corrected them and since then I was able to start
> pretty much everything. Since the *-3.0.0-8 packages were released I've
> updated to them and I used them to write this email.
>
> regards,
> Aleksandar
>
> P.S. Don't forget to scroll down :-)
>
> Kirill Korotaev wrote:
>
>> Aleksandr,
>>
>> Can you please, provide the following information:
>> 1. kernel version you use:
>> # uname -a
>>
> Linux somehost.somedomain.net 2.6.16-1.2080_FC5.026test007 #1 Mon Apr 3
> 18:44:34 MSD 2006 i686 i686 i386 GNU/Linux
>
>> 2. have you started vz service before VPS start?
>> # /etc/init.d/vz restart
>>
> # service vz status
> OpenVZ is running...
> #service vz restart
> Stopping OpenVZ: [OK]
> Starting OpenVZ: [OK]
> Bringing up interface venet0: [OK]
> Configuring interface venet0: net.ipv4.conf.venet0.send_redirects = 0 [OK]
>
> I've restarted it a lot of times
>
>> 3. have you enabled ip forwarding?
>> # cat /proc/sys/net/ipv4/ip_forward
>>
> # cat /proc/sys/net/ipv4/ip_forward
> 1
> I actually don't need forwarding for the moment, because I want to be
> able to ssh to the vps from the hardware node.
>
>> 4. which template have you used for your VPS?
>> # cat /etc/sysconfig/vz-scripts/101.conf
>>
> The fedora 5 template and I've updated it with yum through internet, I
> didn't download the tarball.
> === BEGIN 101.conf ===
> VERSION="2"


```
>
> ONBOOT="no"
> CLASSID="2"
>
> # UBC parameters (in form of barrier:limit)
> # Primary parameters
> AVNUMPROC="40:40"
> NUMPROC="65:65"
> NUMTCPSOCK="80:80"
> NUMOTHERSOCK="80:80"
> VMGUARPAGES="6144:2147483647"
> # Secondary parameters
> KMEMSIZE="3578265:3816816"
> TCPSNDBUF="319488:524288"
> TCPRCVBUF="319488:524288"
> OTHERSOCKBUF="132096:336896"
> DGRAMRCVBUF="132096:132096"
> OOMGUARPAGES="6144:2147483647"
> # Auxiliary parameters
> LOCKEDPAGES="32:32"
> SHMPAGES="8192:8192"
> PRIVVMPAGES="22528:24576"
> NUMFILE="1280:1280"
> NUMFLOCK="100:110"
> NUMPTY="16:16"
> NUMSIGINFO="256:256"
> DCACHESIZE="1048576:1097728"
>
> PHYSPAGES="0:2147483647"
> NUMIPTENT="128:128"
>
> # Disk quota parameters (in form of softlimit:hardlimit)
> DISKSPACE="1048576:1153434"
> DISKINODES="200000:220000"
> QUOTATIME="0"
>
> # CPU fair sheduler parameter
> CPUUNITS="1000"
> OFFLINE_MANAGEMENT="yes"
> VE_ROOT="/vz/root/$VEID"
> VE_PRIVATE="/vz/private/$VEID"
> OSTEMPLATE="fedora-core-5-i386-default"
> ORIGIN_SAMPLE="vps.basic"
> HOSTNAME="www.rousse.org"
> IP_ADDRESS="10.0.0.1"
> NAMESERVER="XX.YY.154.19"
> ==== END 101.conf ====
>
```

```

>> 5. from host and VPS:
>> # ip a l
>> # ip r l
>>
> Host:
> # ip a l
> 2: lo: <LOOPBACK,UP> mtu 16436 qdisc noqueue
> link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
> inet 127.0.0.1/8 scope host lo
> inet6 ::1/128 scope host
> valid_lft forever preferred_lft forever
> 4: eth0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
> link/ether 00:50:bf:d1:f5:84 brd ff:ff:ff:ff:ff:ff
> inet XX.YY.154.19/27 brd XX.YY.154.31 scope global eth0
> inet XX.YY.154.28/27 brd XX.YY.154.31 scope global secondary eth0:0
> inet6 fe80::250:bfff:fed1:f584/64 scope link
> valid_lft forever preferred_lft forever
> 6: sit0: <NOARP> mtu 1480 qdisc noop
> link/sit 0.0.0.0 brd 0.0.0.0
> 5: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
> link/void
> # ip r l
> XX.YY.154.0/27 dev eth0 proto kernel scope link src XX.YY.154.19
> 169.254.0.0/16 dev eth0 scope link
> default via XX.YY.154.1 dev eth0
>
> Guest:
> # vzctl start 101
> Starting VPS ...
> VPS is mounted
> Adding IP address(es): 10.0.0.1
> /bin/cp: preserving times for `/etc/sysconfig/network.2701': Function
> not implemented
> ERROR: Can't copy file /etc/sysconfig/network
> Setting CPU units: 1000
> Set hostname: www.rousse.org
> /bin/cp: preserving times for `/etc/hosts.2710': Function not implemented
> ERROR: Can't copy file /etc/hosts
> VPS start in progress...
> # vzctl exec 101 ip a l
> 1: lo: <LOOPBACK,UP> mtu 16436 qdisc noqueue
> link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
> inet 127.0.0.1/8 scope host lo
> 3: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
> link/void
> inet 127.0.0.1/32 scope host venet0
> # vzctl exec 101 ip r l
> 191.255.255.0/24 dev venet0 scope host

```

```
> 169.254.0.0/16 dev venet0 scope link
> default via 191.255.255.1 dev venet0
>
>> Thanks,
>> Kirill
>>
>>> Hello,
>>>
>>> after installing and successfully running one OpenVZ VPS I wasn't
>>> able to ping or ssh to the VPS. After analyzing a little bit I came
>>> to the following:
>>> 1) host venet0 isn't configured even after  vzctl start 101
>>> 2) venet0 in the guest (vps) is set to 127.0.0.1
>>>
>>> Is this normal ? I've assigned 10.0.0.1 to the VPS and if I manually
>>> configure host's venet0 to 10.0.0.2 and guest's venet0 to 10.0.0.1
>>> (through vzctl exec) I'm being able to ping and ssh to the vps.
>>>
>>> Also, could someone point me to some detailed information about the
>>> OpenVZ networking concept ? Is it like vmware (separate interfaces) ?
>>> Is it like jail (ethernet aliases) ? The only thing I found about
>>> networking was "vzctl set XYZ --ipadd A.B.C.D" :)
>>>
>>> thanks,
>>> Aleksandar
>>>
>>>
```

Subject: Re: OpenVZ on Fedora Core 5 (networking question)
Posted by [dev](#) on Wed, 26 Apr 2006 16:26:18 GMT
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Santi,

As replied in private email to you, this helps:

```
midori:~# echo 1 > /proc/sys/net/ipv4/conf/eth1/proxy_arp
midori:~# echo 1 > /proc/sys/net/ipv4/conf/venet0/proxy_arp
midori:~# echo 1 > /proc/sys/net/ipv4/conf/all/proxy_arp
```

I also wonder what host system you have? I didn't find lots of vz scripts in /etc/sysconfig, so I suppose your installation of OVZ is somehow broken or not full?

The same proxy_arp settings should have been automatically setup by vzctl... Strange...

I also replaced you MASQUARADE rules with:

```
# iptables -t nat -A POSTROUTING -s 192.168.0.0/24 -d ! 192.168.0.0/24
-j MASQUERADE
```

i.e. packets coming to 192.168.0.0/24 should not be masquaraded.

Thanks,
Kirill

```
>
>> Hello,
>>
>> after installing and successfully running one OpenVZ VPS I wasn't
>> able to ping or ssh to the VPS. After analyzing a little bit I came
>> to the following:
>> 1) host venet0 isn't configured even after vzctl start 101
>> 2) venet0 in the guest (vps) is set to 127.0.0.1
>>
>> Is this normal ? I've assigned 10.0.0.1 to the VPS and if I manually
>> configure host's venet0 to 10.0.0.2 and guest's venet0 to 10.0.0.1
>> (through vzctl exec) I'm being able to ping and ssh to the vps.
>>
>> Also, could someone point me to some detailed information about the
>> OpenVZ networking concept ? Is it like vmware (separate interfaces) ?
>> Is it like jail (ethernet aliases) ? The only thing I found about
>> networking was "vzctl set XYZ --ipadd A.B.C.D" :)
>>
>
> Hello,
>
> I have similar problem with a freshly installed OpenVZ in a Debian
> Sarge box, it's described at:
>
> http://forum.openvz.org/index.php?t=tree&goto=2725
>
> Additional command outputs:
>
> # uname -a
> Linux midori 2.6.8-022stab076-smp #1 SMP Sun Apr 16 16:32:30 CEST 2006
> i686 GNU/Linux
>
> # cat /proc/sys/net/ipv4/ip_forward
> 1
>
> # ip a l
> 2: lo: <LOOPBACK,UP> mtu 16436 qdisc noqueue
> link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
> inet 127.0.0.1/8 scope host lo
```

```
> 4: eth0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
> link/ether 00:05:1c:19:67:f4 brd ff:ff:ff:ff:ff:ff
> inet xxx/19 brd 255.255.255.255 scope global eth0
> 6: eth1: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
> link/ether 00:05:1c:03:26:36 brd ff:ff:ff:ff:ff:ff
> inet 192.168.0.210/24 brd 192.168.0.255 scope global eth1
> 3: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
> link/void
>
> # ip r l
> 192.168.0.5 dev venet0 scope link src 83.213.134.130
> 192.168.0.6 dev venet0 scope link src 83.213.134.130
> 192.168.0.0/24 dev eth1 proto kernel scope link src 192.168.0.210
> 83.213.128.0/19 dev eth0 proto kernel scope link src xxx
> default via 83.213.128.1 dev eth0
>
> Regards!
>
> --
> Santi Saez
>
>
>
>
>
>
```

Subject: Re: OpenVZ on Fedora Core 5 (networking question)

Posted by [Aleksandar](#) on Fri, 28 Apr 2006 14:09:31 GMT

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Hello Kiril,

it worked !!!

thanks,
Aleksandar

Kirill Korotaev wrote:

```
> Aleksandr,
>
> can you please apply workaround for FC5 cp problem as described here:
> http://forum.openvz.org/index.php?t=tree&th=405&mid= 2355&&rev=&reveal=
> and recheck the networking.
>
> Thanks,
> Kirill
```

```
>
>> Hello Kiril,
>>
>> just to mention that I've installed the vz*-3.0.0-7 packages and
>> created the vps with them. I couldn't start the yum update process so
>> I tried to get some help on irc. Someone pointed me to the wrong
>> limits which were for x86_64, I've corrected them and since then I
>> was able to start pretty much everything. Since the *-3.0.0-8
>> packages were released I've updated to them and I used them to write
>> this email.
>>
>> regards,
>> Aleksandar
>>
>> P.S. Don't forget to scroll down :-)
```

```
>>
>> Kirill Korotaev wrote:
>>
>>> Aleksandr,
>>>
>>> Can you please, provide the following information:
>>> 1. kernel version you use:
>>> # uname -a
>>>
>> Linux somehost.somedomain.net 2.6.16-1.2080_FC5.026test007 #1 Mon Apr
>> 3 18:44:34 MSD 2006 i686 i686 i386 GNU/Linux
>>
>>> 2. have you started vz service before VPS start?
>>> # /etc/init.d/vz restart
>>>
>> # service vz status
>> OpenVZ is running...
>> #service vz restart
>> Stopping OpenVZ: [OK]
>> Starting OpenVZ: [OK]
>> Bringing up interface venet0: [OK]
>> Configuring interface venet0: net.ipv4.conf.venet0.send_redirects = 0
>> [OK]
>>
>> I've restarted it a lot of times
>>
>>> 3. have you enabled ip forwarding?
>>> # cat /proc/sys/net/ipv4/ip_forward
>>>
>> # cat /proc/sys/net/ipv4/ip_forward
>> 1
>> I actually don't need forwarding for the moment, because I want to be
>> able to ssh to the vps from the hardware node.
```

```
>>
>>> 4. which template have you used for your VPS?
>>> # cat /etc/sysconfig/vz-scripts/101.conf
>>>
>> The fedora 5 template and I've updated it with yum through internet,
>> I didn't download the tarball.
>> ==== BEGIN 101.conf ====
>> VERSION="2"
>>
>> ONBOOT="no"
>> CLASSID="2"
>>
>> # UBC parameters (in form of barrier:limit)
>> # Primary parameters
>> AVNUMPROC="40:40"
>> NUMPROC="65:65"
>> NUMTCPSTACK="80:80"
>> NUMOTHERSOCK="80:80"
>> VMGUARPAGES="6144:2147483647"
>> # Secondary parameters
>> KMEMSIZE="3578265:3816816"
>> TCPSNDBUF="319488:524288"
>> TCPRCVBUF="319488:524288"
>> OTHERSOCKBUF="132096:336896"
>> DGRAMRCVBUF="132096:132096"
>> OOMGUARPAGES="6144:2147483647"
>> # Auxiliary parameters
>> LOCKEDPAGES="32:32"
>> SHMPAGES="8192:8192"
>> PRIVVMPAGES="22528:24576"
>> NUMFILE="1280:1280"
>> NUMFLOCK="100:110"
>> NUMPTY="16:16"
>> NUMSIGINFO="256:256"
>> DCACHESIZE="1048576:1097728"
>>
>> PHYSPAGES="0:2147483647"
>> NUMIPTENT="128:128"
>>
>> # Disk quota parameters (in form of softlimit:hardlimit)
>> DISKSPACE="1048576:1153434"
>> DISKINODES="200000:220000"
>> QUOTATIME="0"
>>
>> # CPU fair sheduler parameter
>> CPUUNITS="1000"
>> OFFLINE_MANAGEMENT="yes"
>> VE_ROOT="/vz/root/$VEID"
```

```

>> VE_PRIVATE="/vz/private/$VEID"
>> OSTEMPLATE="fedora-core-5-i386-default"
>> ORIGIN_SAMPLE="vps.basic"
>> HOSTNAME="www.rousse.org"
>> IP_ADDRESS="10.0.0.1"
>> NAMESERVER="XX.YY.154.19"
>> ==== END 101.conf ====
>>
>>> 5. from host and VPS:
>>> # ip a l
>>> # ip r l
>>>
>> Host:
>> # ip a l
>> 2: lo: <LOOPBACK,UP> mtu 16436 qdisc noqueue
>>   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
>>   inet 127.0.0.1/8 scope host lo
>>   inet6 ::1/128 scope host
>>     valid_lft forever preferred_lft forever
>> 4: eth0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
>>   link/ether 00:50:bf:d1:f5:84 brd ff:ff:ff:ff:ff:ff
>>   inet XX.YY.154.19/27 brd XX.YY.154.31 scope global eth0
>>   inet XX.YY.154.28/27 brd XX.YY.154.31 scope global secondary eth0:0
>>   inet6 fe80::250:bfff:fed1:f584/64 scope link
>>     valid_lft forever preferred_lft forever
>> 6: sit0: <NOARP> mtu 1480 qdisc noop
>>   link/sit 0.0.0.0 brd 0.0.0.0
>> 5: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
>>   link/void
>> # ip r l
>> XX.YY.154.0/27 dev eth0 proto kernel scope link src XX.YY.154.19
>> 169.254.0.0/16 dev eth0 scope link
>> default via XX.YY.154.1 dev eth0
>>
>> Guest:
>> # vzctl start 101
>> Starting VPS ...
>> VPS is mounted
>> Adding IP address(es): 10.0.0.1
>> /bin/cp: preserving times for `/etc/sysconfig/network.2701': Function
>> not implemented
>> ERROR: Can't copy file /etc/sysconfig/network
>> Setting CPU units: 1000
>> Set hostname: www.rousse.org
>> /bin/cp: preserving times for `/etc/hosts.2710': Function not
>> implemented
>> ERROR: Can't copy file /etc/hosts
>> VPS start in progress...

```



```
>> # vzctl exec 101 ip a l
>> 1: lo: <LOOPBACK,UP> mtu 16436 qdisc noqueue
>>   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
>>   inet 127.0.0.1/8 scope host lo
>> 3: venet0: <BROADCAST,POINTOPOINT,NOARP,UP> mtu 1500 qdisc noqueue
>>   link/void
>>   inet 127.0.0.1/32 scope host venet0
>> # vzctl exec 101 ip r l
>> 191.255.255.0/24 dev venet0  scope host
>> 169.254.0.0/16 dev venet0  scope link
>> default via 191.255.255.1 dev venet0
>>
>>> Thanks,
>>> Kirill
>>>
>>>> Hello,
>>>>
>>>> after installing and successfully running one OpenVZ VPS I wasn't
>>>> able to ping or ssh to the VPS. After analyzing a little bit I came
>>>> to the following:
>>>> 1) host venet0 isn't configured even after  vzctl start 101
>>>> 2) venet0 in the guest (vps) is set to 127.0.0.1
>>>>
>>>> Is this normal ? I've assigned 10.0.0.1 to the VPS and if I
>>>> manually configure host's venet0 to 10.0.0.2 and guest's venet0 to
>>>> 10.0.0.1 (through vzctl exec) I'm being able to ping and ssh to the
>>>> vps.
>>>>
>>>> Also, could someone point me to some detailed information about the
>>>> OpenVZ networking concept ? Is it like vmware (separate interfaces)
>>>> ? Is it like jail (ethernet aliases) ? The only thing I found about
>>>> networking was "vzctl set XYZ --ipadd A.B.C.D" :)
>>>>
>>>> thanks,
>>>> Aleksandar
>>>>
>>>>
```

Subject: Re: OpenVZ on Fedora Core 5 (networking question)

Posted by [Santi](#) on Fri, 28 Apr 2006 14:39:17 GMT

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Hello Kirill,

Sorry for the delay in the email reply.. :-(

Thanks, with those changes now I can ping VPS from the local network and viceversa!

>
> I also wonder what host system you have? I didn't find lots of vz
> scripts in /etc/sysconfig, so I suppose your installation of OVZ is
> somehow broken or not full?
> The same proxy_arp settings should have been automatically setup by
> vzctl... Strange...

Hardware node it's a Debian Sarge "out of the box", and OpenVZ has been installed following the steps of this howto:

http://www.howtoforge.com/openvz_debian_vps

I don't remember any error at installation time..

>
> I also replaced you MASQUARADE rules with:
> # iptables -t nat -A POSTROUTING -s 192.168.0.0/24 -d !
> 192.168.0.0/24 -j MASQUERADE
>
> i.e. packets coming to 192.168.0.0/24 should not be masqueraded.

Thanks again ;-)

Regards,

--

Santi Saez
