
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"
```

```
NUMTCP SOCK="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

>>

>>