
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"
```

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>
> # 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

```

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> 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
>>>
>>>
```
