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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"
>> 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  
>>>>  
>>>>

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