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Subject: vServer sets venet although it shouldn't  
Posted by [divB](#) on Wed, 08 Apr 2009 10:54:33 GMT  
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Please look at this config:

```
# cat /etc/vz/conf/201.conf | grep -v '^#'  
ONBOOT="no"  
KMEMSIZE="11055923:11377049"  
LOCKEDPAGES="256:256"  
PRIVVMPAGES="65536:69632"  
SHMPAGES="21504:21504"  
NUMPROC="240:240"  
PHYSPAGES="0:2147483647"  
VMGUARPAGES="33792:2147483647"  
OOMGUARPAGES="26112:2147483647"  
NUMTCPSOCK="360:360"  
NUMFLOCK="188:206"  
NUMPTY="16:16"  
NUMSIGINFO="256:256"  
TCPSNDBUF="1720320:2703360"  
TCPRCVBUF="1720320:2703360"  
OTHERSOCKBUF="1126080:2097152"  
DGRAMRCVBUF="262144:262144"  
NUMOTHERSOCK="360:360"  
DCACHESIZE="3409920:3624960"  
NUMFILE="9312:9312"  
AVNUMPROC="180:180"  
NUMIPTENT="128:128"  
DISKSPACE="1048576:1153024"  
DISKINODES="200000:220000"  
QUOTATIME="0"  
CPUUNITS="1000"  
OSTEMPLATE="debian-lenny"  
IP_ADDRESS=""  
NETIF="ifname=eth0,mac=00:18:51:AC:AA:BF,host_ifname=veth201.0,host_mac=00:18:51:6A:B  
9:15"  
# ip addr | grep 112  
#  
# vzctl start 201  
Starting VE ...  
VE is mounted  
Setting CPU units: 1000  
Configure meminfo: 65536  
Configure veth devices: veth201.0  
VE start in progress...  
# vzctl enter 201
```

## 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:2 errors:0 dropped:0 overruns:0 frame:0  
TX packets:2 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:168 (168.0 b) TX bytes:168 (168.0 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: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)

venet0:0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00  
inet addr:192.168.200.112 P-t-P:192.168.200.112 Bcast:0.0.0.0 Mask:255.255.255.255  
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1

## ifconfig -a

eth0 Link encap:Ethernet HWaddr 00:18:51:AC:AA:BF  
BROADCAST MULTICAST MTU:1500 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)

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:4 errors:0 dropped:0 overruns:0 frame:0  
TX packets:4 errors:0 dropped:0 overruns:0 carrier:0  
collisions:0 txqueuelen:0  
RX bytes:336 (336.0 b) TX bytes:336 (336.0 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: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)

venet0:0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00  
inet addr:192.168.200.112 P-t-P:192.168.200.112 Bcast:0.0.0.0 Mask:255.255.255.255

WhereTF does the IP come from?!?!?

At the beginning, I added 192.168.200.112 to the VServer with --ipadd. But then I removed it with --ipdel and added a veth with --addif\_net, as you can see in the config.

I grepped through everything in /etc and /vz but I simply can't find any reference to this \*\*\*\* IP.

Does anybody have an idea where the configured veth devices come from, including the IP?

Maybe I do not understand the concept yet...

Thank you,  
divB

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Subject: Re: vServer sets venet although it shouldn't  
Posted by [maratrus](#) on Wed, 08 Apr 2009 12:51:19 GMT  
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Hi,

check this bug please  
[http://bugzilla.openvz.org/show\\_bug.cgi?id=478](http://bugzilla.openvz.org/show_bug.cgi?id=478)

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Subject: Re: vServer sets venet although it shouldn't  
Posted by [divB](#) on Wed, 08 Apr 2009 13:47:30 GMT  
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Thank you for pointing me.

1st) Is this issue solved already (seems to be open since Feb 2007). Or is it because I'm using Debian lenny?

2nd) I see. But where are the settings stored? Somewhere there must be a file containing "192.168.200.112". And somehow it must be possible to remove it. How? The problem persists on reboots...

Thank you, Regards,  
divB

Subject: Re: vServer sets venet although it shouldn't  
Posted by [divB](#) on Wed, 08 Apr 2009 14:05:21 GMT  
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I think I have found it. It's rather set inside the networking config in the VE itself (and not the host!).

But I do not understand this: Normally the the VE should not be able to assign itself an IP address if it is not set by the host?! This would mean I could just do an "ifconfig venet0:0 192.168.200.113 netmask 255.255.255.0 up" inside my VE and have another IP address?!

And what is exactly the loopback interface inside a VE? Is it lo or is it "venet0"? I ask because venet0 is assigned 127.0.0.1.

This is the file OpenVZ obviously created inside the VE (I even do not understand where the 192.0.2.x come from):

```
# This configuration file is auto-generated.  
# WARNING: Do not edit this file, otherwise your changes will be lost.  
# Please edit template /etc/network/interfaces.template instead.
```

```
# Auto generated interfaces
```

```
auto lo
```

```
iface lo inet loopback
```

```
auto venet0
```

```
iface venet0 inet static
```

```
address 127.0.0.1
```

```
netmask 255.255.255.255
```

```
broadcast 0.0.0.0
```

```
up route add -net 192.0.2.1 netmask 255.255.255.255 dev venet0
```

```
up route add default gw 192.0.2.1
```

```
auto venet0:0
```

```
iface venet0:0 inet static
```

```
address 192.168.200.112
```

```
netmask 255.255.255.255
```

```
broadcast 0.0.0.0
```

Regards,  
divB

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Subject: Re: vServer sets venet although it shouldn't

Posted by [maratrus](#) on Thu, 09 Apr 2009 06:07:26 GMT

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Hello,

Quote:

I think I have found it. It's rather set inside the networking config in the VE itself (and not the host!).

But I do not understand this: Normally the the VE should not be able to assign itself an IP address if it is not set by the host?! This would mean I could just do an "ifconfig venet0:0 192.168.200.113 netmask 255.255.255.0 up" inside my VE and have another IP address?!

No, this configuration file is generated every time VE is starting.

Quote:

WARNING: Do not edit this file, otherwise your changes will be lost.

So, if you bump into the problem described in bug #478 try to start VE and then remove that ip address.

So, in case of venet0 interface you are not permitted to make permanent changes. During the next start process, information will be read from VEs configuration file.

Quote:

And what is exactly the loopback interface inside a VE? Is it lo or is it "venet0"? I ask because venet0 is assigned 127.0.0.1.

Loopback is a loopback interface and venet0 is a venet interface

Assigning 127.0.0.1 to venet0 interface is just a convenient way to treat with networking inside VE. Don't worry, it doesn't break anything.

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