
Subject: VE not accessible by network
Posted by ralf **on** Mon, 02 Jul 2007 13:49:10 GMT
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Well, I am not able to access the VE via network.

Looks like packets from the VE are transmitted to the HN, but there is no connection back from the HN to the VE. I searched quite a long time, and I have no more idea, what the problem is. The HN/VE-box is newly installed and there are no other services.

Any hints or tipps are welcome.

HN's ip xxx.xxx.xxx.72

VE's ip xxx.xxx.xxx.73

Example 1:

====> Trying to ping a host in the same subnet as HN/VE from inside VE:

VE:/root# ping xxx.xxx.xxx.65

PING xxx.xxx.xxx.65 (xxx.xxx.xxx.65) 56(84) bytes of data.

<nothing happens...>

====> I can see the ping-packets going through the HN and I can see the replies on eth0 of HN

HN root ~ # tcpdump -n -i eth0 host xxx.xxx.xxx.73

tcpdump: verbose output suppressed, use -v or -vv for full protocol decode

listening on eth0, link-type EN10MB (Ethernet), capture size 96 bytes

14:19:59.161185 IP xxx.xxx.xxx.73 > xxx.xxx.xxx.65: ICMP echo request, id 35622, seq 1, length 64

14:19:59.161566 IP xxx.xxx.xxx.65 > xxx.xxx.xxx.73: ICMP echo reply, id 35622, seq 1, length 64

14:20:00.161352 IP xxx.xxx.xxx.73 > xxx.xxx.xxx.65: ICMP echo request, id 35622, seq 2, length 64

14:20:00.162206 IP xxx.xxx.xxx.65 > xxx.xxx.xxx.73: ICMP echo reply, id 35622, seq 2, length 64

14:20:01.160989 IP xxx.xxx.xxx.73 > xxx.xxx.xxx.65: ICMP echo request, id 35622, seq 3, length 64

14:20:01.161421 IP xxx.xxx.xxx.65 > xxx.xxx.xxx.73: ICMP echo reply, id 35622, seq 3, length 64

Example 2:

====> Trying to connect the ssh-port of the VE from the HN (or any other host in the subnet)

HN root ~ # telnet xxx.xxx.xxx.73 22

Trying xxx.xxx.xxx.73...

telnet: Unable to connect to remote host: Connection refused

====> but....

HN root ~ # netstat -puln
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address Foreign Address State PID/Program name
tcp 0 0 0.0.0.0:111 0.0.0.0:* LISTEN 6391/portmap
tcp 0 0 0.0.0.0:113 0.0.0.0:* LISTEN 6689/inetd
tcp 0 0 xxx.xxx.xxx.72:22 0.0.0.0:* LISTEN 6699/sshd <== sshd HN
tcp 0 0 xxx.xxx.xxx.73:22 0.0.0.0:* LISTEN 8445/sshd <== sshd VE
tcp 0 0 0.0.0.0:37406 0.0.0.0:* LISTEN 6893/rpc.statd
tcp6 0 0 2001:xxx:xxxx:72:22 ::*: LISTEN 6699/sshd <== sshd HN
udp 0 0 0.0.0.0:32768 0.0.0.0:* 6893/rpc.statd
udp 0 0 0.0.0.0:709 0.0.0.0:* 6893/rpc.statd
udp 0 0 0.0.0.0:111 0.0.0.0:* 6391/portmap

===== some configuration-output from HN and VE

HN root ~ # dpkg -l | grep vz
ii linux-image-2.6.18-028stab035.1-ovz-smp 028stab035.1 OpenVZ - Linux kernel
image for version 2.6.
ii ovzkernel-2.6.18-smp 028stab035.1 OpenVZ - META KERNEL
Package 2.6.18 (028stab
ii vzctl 3.0.16-5ds01 OpenVZ - server virtualization solution - co
ii vzctl-ostmpl-debian 4.0-20070323 OpenVZ - OS Template - Debian 4.0
ii vzquota 3.0.9-1ds040.1 server virtualization solution - quota
tools
HN root ~ # cat /proc/version
Linux version 2.6.18-028stab035.1-ovz-smp (tsd@debian.systs.org) (gcc version 4.1.2 20061115
(prerelease) (Debian 4.1.1-21)) #1 SMP Wed Jun 13 22:08:06 CEST 2007

HN root ~ # ip a l
2: lo: <LOOPBACK,UP,10000> mtu 16436 qdisc noqueue
link/loopback 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: sit0: <NOARP> mtu 1480 qdisc noop
link/sit 0.0.0.0 brd 0.0.0.0
6: eth0: <BROADCAST,MULTICAST,UP,10000> mtu 1500 qdisc pfifo_fast qlen 1000
link/ether 00:0e:0c:36:8b:30 brd ff:ff:ff:ff:ff:ff
inet xxx.xxx.xxx.72/24 brd xxx.xxx.xxx.255 scope global eth0
inet xxx.xxx.xxx.73/24 brd xxx.xxx.xxx.255 scope global secondary eth0:0
inet xxx.xxx.xxx.74/24 brd xxx.xxx.xxx.255 scope global secondary eth0:1
inet6 2001:zzz:zzzz:74/64 scope global

```

    valid_lft forever preferred_lft forever
inet6 2001:zzz:zzzz::73/64 scope global
    valid_lft forever preferred_lft forever
inet6 2001:zzz:zzzz::72/64 scope global
    valid_lft forever preferred_lft forever
inet6 fe80::20e:cff:fe36:8b30/64 scope link
    valid_lft forever preferred_lft forever
8: eth1: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
    link/ether 00:0e:0c:2c:15:1e brd ff:ff:ff:ff:ff:ff
        inet yyy.yyy.yyy.139/29 brd yyy.yyy.yyy.143 scope global eth1
1: venet0: <BROADCAST,POINTOPOINT,NOARP,UP,10000> mtu 1500 qdisc noqueue
    link/void

```

```

HN root ~ # ip r |
xxx.xxx.xxx.73 dev venet0 scope link
yyy.yyy.yyy.136/29 dev eth1 proto kernel scope link src yyy.yyy.yyy.139
xxx.xxx.xxx.0/24 dev eth0 proto kernel scope link src xxx.xxx.xxx.72
172.24.0.0/21 via xxx.xxx.xxx.253 dev eth0
default via xxx.xxx.xxx.254 dev eth0

```

```

HN root ~ # iptables -L
Chain INPUT (policy ACCEPT)
target     prot opt source          destination
Chain FORWARD (policy ACCEPT)
target     prot opt source          destination
Chain OUTPUT (policy ACCEPT)
target     prot opt source          destination

```

```

VE:/root# ifconfig -a
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: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  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:xxx.xxx.xxx.73 P-t-P:xxx.xxx.xxx.73 Bcast:0.0.0.0 Mask:255.255.255.255  
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
```

```
VE:/root# route -n  
Kernel IP routing table  
Destination     Gateway         Genmask        Flags Metric Ref  Use Iface  
192.0.2.1       0.0.0.0        255.255.255.255 UH   0      0      0 venet0  
0.0.0.0         192.0.2.1      0.0.0.0        UG   0      0      0 venet0
```

Subject: Re: VE not accessible by network
Posted by [Andrey Mirkin](#) on Tue, 03 Jul 2007 08:21:25 GMT
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It seems that you have the same IP address inside VE and on HN:

Quote:HN root ~ # ip a |

```
...  
6: eth0: <BROADCAST,MULTICAST,UP,10000> mtu 1500 qdisc pfifo_fast qlen 1000  
link/ether 00:0e:0c:36:8b:30 brd ff:ff:ff:ff:ff:ff  
inet xxx.xxx.xxx.72/24 brd xxx.xxx.xxx.255 scope global eth0  
inet xxx.xxx.xxx.73/24 brd xxx.xxx.xxx.255 scope global secondary eth0:0  
~~~~~  
inet xxx.xxx.xxx.74/24 brd xxx.xxx.xxx.255 scope global secondary eth0:1  
inet6 2001:zzz:zzzz::74/64 scope global  
valid_lft forever preferred_lft forever  
inet6 2001:zzz:zzzz::73/64 scope global  
valid_lft forever preferred_lft forever  
inet6 2001:zzz:zzzz::72/64 scope global  
valid_lft forever preferred_lft forever  
inet6 fe80::20e:cff:fe36:8b30/64 scope link  
valid_lft forever preferred_lft forever
```

VE:/root# ifconfig -a

```
...  
venet0:0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00  
inet addr:xxx.xxx.xxx.73 P-t-P:xxx.xxx.xxx.73 Bcast:0.0.0.0 Mask:255.255.255.255  
~~~~~  
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
```

Subject: Re: VE not accessible by network
Posted by [ralf](#) on Tue, 03 Jul 2007 09:25:44 GMT
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[quote title=Andrey Mirkin wrote on Tue, 03 July 2007 10:21]It seems that you have the same IP address inside VE and on HN:

Yes, I somehow tought, that I have to have a virtuell interface in the HN for every VE. I deleted the virtuell interface and all works fine.

Thanks.
