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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 -pnl

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	3.0.16-5dso1	OpenVZ - server virtualization solution - co
ii	vzctl-ostmpl-debian	4.0-20070323	OpenVZ - OS Template - Debian 4.0
ii	vzquota	3.0.9-1dso40.1	server virtualization solution - quota
tools			

HN root ~ # cat /proc/version

Linux version 2.6.18-028stab035.1-ovz-smp (tsd@debian.sysys.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 00:00:00:00:00:00 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 l
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