
Subject: *SOLVED* VE networking not working properly- details included.

Posted by [HaroldB](#) on Sun, 24 Sep 2006 02:59:43 GMT

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Here is the problem:

Quote:

```
# vzctl enter 1000
entered into VPS 1000
-bash-3.00# traceroute 69.64.46.7
traceroute to 69.64.46.7 (69.64.46.7), 30 hops max, 38 byte packets
 1 203.171.31.140 (203.171.31.140) 0.069 ms 0.032 ms 0.026 ms
 2 203.171.31.140 (203.171.31.140) 0.030 ms !<10> 0.030 ms !<10> 0.026 ms !<10>
-bash-3.00#
```

VPS cannot establish connectivity to the net. Seems packets never leave the HN.
(203.171.31.140 is the IP of the HN)

Here are the details:

HN Kernel:

Quote:

```
Linux digipower.vn 2.6.16-1.2133_FC5.026test015smp #1 SMP Thu Aug 3 18:17:42 MSD 2006
i686 athlon i386 GNU/Linux
```

Utils:

Quote:

```
# rpm -qa | grep vz
vzquota-3.0.8-1
vzctl-3.0.11-1
vzctl-lib-3.0.11-1
vzyum-2.4.0-11
```

HN ifconfig:

Quote:

```
# ifconfig
eth0    Link encap:Ethernet  HWaddr 00:30:48:58:32:80
        inet addr:203.171.31.140  Bcast:203.171.31.191  Mask:255.255.255.192
        inet6 addr: fe80::230:48ff:fe58:3280/64  Scope:Link
        UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
        RX packets:20560 errors:0 dropped:0 overruns:0 frame:0
        TX packets:7406 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:1779178 (1.6 MiB)  TX bytes:920926 (899.3 KiB)
        Interrupt:16
```

```
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:157 errors:0 dropped:0 overruns:0 frame:0
      TX packets:157 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:0
      RX bytes:17282 (16.8 KiB) TX bytes:17282 (16.8 KiB)
```

```
venet0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
        UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
        RX packets:473 errors:0 dropped:0 overruns:0 frame:0
        TX packets:385 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:0
        RX bytes:42870 (41.8 KiB) TX bytes:32997 (32.2 KiB)
```

HN route:

Quote:

route -n

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
203.171.31.180	0.0.0.0	255.255.255.255	UH	0	0	0	venet0
203.171.31.128	0.0.0.0	255.255.255.192	U	0	0	0	eth0
169.254.0.0	0.0.0.0	255.255.0.0	U	0	0	0	eth0
0.0.0.0	203.171.31.129	0.0.0.0	UG	0	0	0	eth0

HN vzlist:

Quote:

vzlist

VPSID	NPROC	STATUS	IP_ADDR	HOSTNAME
1000	18	running	203.171.31.180	-

VPS ifconfig

Quote:

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: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 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
```

```
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:101 errors:0 dropped:0 overruns:0 frame:0
TX packets:122 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:7544 (7.3 KiB) TX bytes:12992 (12.6 KiB)
```

```
venet0:0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
inet addr:203.171.31.180 P-t-P:203.171.31.180 Bcast:203.171.31.180
Mask:255.255.255.255
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
```

VPS route:

Quote:

```
# route -n
```

Kernel IP routing table

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
191.255.255.0	0.0.0.0	255.255.255.0	U 0	0	0	0	venet0
169.254.0.0	0.0.0.0	255.255.0.0	U 0	0	0	0	venet0
0.0.0.0	191.255.255.1	0.0.0.0	UG 0	0	0	0	venet0

Tcpdump on HN for venet0 while VPS is pinging openvz.org:

Quote:

```
# tcpdump -vv -n -i venet0
```

```
tcpdump: WARNING: arptype 65535 not supported by libpcap - falling back to cooked socket
tcpdump: WARNING: venet0: no IPv4 address assigned
tcpdump: listening on venet0, link-type LINUX_SLL (Linux cooked), capture size 96 bytes
10:56:21.535226 IP (tos 0x0, ttl 64, id 0, offset 0, flags [DF], proto: ICMP (1), length: 84)
203.171.31.180 > 69.64.46.7: ICMP echo request, id 40468, seq 0, length 64
10:56:21.965067 IP (tos 0x0, ttl 48, id 25858, offset 0, flags [none], proto: ICMP (1), length: 84)
69.64.46.7 > 203.171.31.180: ICMP echo reply, id 40468, seq 0, length 64
10:56:22.536141 IP (tos 0x0, ttl 64, id 0, offset 0, flags [DF], proto: ICMP (1), length: 84)
203.171.31.180 > 69.64.46.7: ICMP echo request, id 40468, seq 1, length 64
```

Tcpdump on HN for eth0 while VPS is pinging openvz.org:

Quote:

```
[root@digipower ~]# tcpdump -vv -n -i eth0 dst net 69.64.46.7
```

```
tcpdump: listening on eth0, link-type EN10MB (Ethernet), capture size 96 bytes
10:57:26.917824 IP (tos 0x0, ttl 64, id 0, offset 0, flags [DF], proto: ICMP (1), length: 84)
203.171.31.180 > 69.64.46.7: ICMP echo request, id 42772, seq 0, length 64
10:57:27.919136 IP (tos 0x0, ttl 64, id 0, offset 0, flags [DF], proto: ICMP (1), length: 84)
203.171.31.180 > 69.64.46.7: ICMP echo request, id 42772, seq 1, length 64
10:57:28.923253 IP (tos 0x0, ttl 64, id 0, offset 0, flags [DF], proto: ICMP (1), length: 84)
203.171.31.180 > 69.64.46.7: ICMP echo request, id 42772, seq 2, length 64
```

Subject: Re: VE networking not working properly- details included.

Posted by [HaroldB](#) on Sun, 24 Sep 2006 03:39:45 GMT

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Hi, I used the network diagnostics script (http://forum.openvz.org/index.php?t=tree&goto=6358&#msg_6358) on this. Results are:

```
# ./test.sh
```

```
? (203.171.31.129) at 00:0A:8A:D8:49:FF [ether] on eth0
```

```
digipower.vn (203.171.31.180) at * PERM PUP on eth0
```

```
Kernel IP routing table
```

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
203.171.31.180	0.0.0.0	255.255.255.255	UH	0	0	0	venet0
203.171.31.128	0.0.0.0	255.255.255.192	U	0	0	0	eth0
169.254.0.0	0.0.0.0	255.255.0.0	U	0	0	0	eth0
0.0.0.0	203.171.31.129	0.0.0.0	UG	0	0	0	eth0

```
Kernel IP routing table
```

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
191.255.255.0	0.0.0.0	255.255.255.0	U	0	0	0	venet0
169.254.0.0	0.0.0.0	255.255.0.0	U	0	0	0	venet0
0.0.0.0	191.255.255.1	0.0.0.0	UG	0	0	0	venet0

```
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:143 errors:0 dropped:0 overruns:0 frame:0
TX packets:179 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:11080 (10.8 KiB) TX bytes:17732 (17.3 KiB)
```

```
tcpdump: WARNING: arptype 65535 not supported by libpcap - falling back to cooked socket
```

```
tcpdump: WARNING: venet0: no IPv4 address assigned
```

```
tcpdump: listening on venet0, link-type LINUX_SLL (Linux cooked), capture size 96 bytes
```

```
[[[ CONTROL C ]]]
```

```
0 packets captured
```

```
0 packets received by filter
```

```
0 packets dropped by kernel
```

```
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:143 errors:0 dropped:0 overruns:0 frame:0
TX packets:179 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:11080 (10.8 KiB) TX bytes:17732 (17.3 KiB)

Subject: Re: VE networking not working properly- details included.
Posted by [HaroldB](#) on Sun, 24 Sep 2006 05:45:08 GMT
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fixed by flushing HN firewall..

moderator, you can delte this thread, its kinda silly..

Subject: Re: VE networking not working properly- details included.
Posted by [John Kelly](#) on Sun, 24 Sep 2006 19:08:58 GMT
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HaroldB wrote on Sun, 24 September 2006 01:45moderator, you can delte this thread, its kinda silly..

Please don't do that.

Vass asked me to write up the network diagnostics script in the wiki. Did the script help you see the problem? I need some feedback to get motivated ...
