
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
        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

```

```

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: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	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

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
```

