
Subject: ping receives no packets, but tcpdump can see them coming in

Posted by [elsdoerfer](#) on Sat, 23 Feb 2013 15:36:30 GMT

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I'm migrating an old Ubuntu OpenVZ instance (Jaunty) to a new CentOS 6.3 host (using vzdump/vzrestore).

Now networking does not work properly. Facts:

- It works just fine if a setup a new OpenVZ instance.
- I can connect INTO the old instance perfectly well, but it cannot connect to the outside.
- It cannot ping the host, nor anything else.
- I've cleared all iptables rules both on host and inside the VE.

ping:

```
root@dolores:/# ping 8.8.8.8
```

```
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
```

```
^C
```

```
--- 8.8.8.8 ping statistics ---
```

```
11 packets transmitted, 0 received, 100% packet loss, time 9999ms
```

```
At the same time within the VE:
```

```
17:49:12.730360 IP dolores > 8.8.8.8: ICMP echo request, id 59701, seq 1, length 64
```

```
17:49:12.735095 IP 8.8.8.8 > dolores: ICMP echo reply, id 59701, seq 1, length 64
```

```
17:49:13.730305 IP dolores > 8.8.8.8: ICMP echo request, id 59701, seq 2, length 64
```

```
17:49:13.735524 IP 8.8.8.8 > dolores: ICMP echo reply, id 59701, seq 2, length 64
```

```
17:49:14.730411 IP dolores > 8.8.8.8: ICMP echo request, id 59701, seq 3, length 64
```

Of course, /sys/devices/virtual/net/venet0/statistics/rx_bytes is updating, and none of the /sys/devices/virtual/net/venet0/statistics/rx_error files make a peep.

What's the deal? Where would I look now?

Some more output in case it helps:

```
root@dolores:/# 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:127.0.0.2 P-t-P:127.0.0.2 Bcast:0.0.0.0 Mask:255.255.255.255
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
RX packets:39652 errors:0 dropped:0 overruns:0 frame:0
TX packets:39398 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:3344760 (3.3 MB) TX bytes:3303115 (3.3 MB)
```

```
venet0:0 Link encap:UNSPEC HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
inet addr:78.46.236.xxx P-t-P:78.46.236.xxx Bcast:0.0.0.0 Mask:255.255.255.255
UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1.
```

```
root@dolores:/# route
Kernel IP routing table
Destination Gateway Genmask Flags Metric Ref Use Iface
default * 0.0.0.0 U 0 0 0 venet0
```

```
root@dolores:/# ip route list table all
default dev venet0 scope link
broadcast 127.255.255.255 dev lo table local proto kernel scope link src 127.0.0.1
local 78.46.236.165 dev venet0 table local proto kernel scope host src 78.46.236.165
local 127.0.0.2 dev venet0 table local proto kernel scope host src 127.0.0.2
broadcast 127.0.0.0 dev lo table local proto kernel scope link src 127.0.0.1
local 127.0.0.1 dev lo table local proto kernel scope host src 127.0.0.1
local 127.0.0.0/8 dev lo table local proto kernel scope host src 127.0.0.1
default dev venet0 metric 1 mtu 1500 advmss 1440 hoplimit 4294967295
unreachable default dev lo table unspec proto kernel metric -1 error -101 hoplimit 255
local ::1 via :: dev lo table local proto none metric 0 mtu 16436 advmss 16376 hoplimit 4294967295
unreachable default dev lo table unspec proto kernel metric -1 error -101 hoplimit 255
```

On the host:

```
[root@olive ~]# route
Kernel IP routing table
Destination Gateway Genmask Flags Metric Ref Use Iface
static.xxx.236. * 255.255.255.255 UH 0 0 0 venet0
78.46.236.xxx * 255.255.255.224 U 0 0 0 eth0
link-local * 255.255.0.0 U 1002 0 0 eth0
default gw-wan2.little- 0.0.0.0 UG 0 0 0 eth0
```

iptables -t nat -L && iptables -t filter -L && iptables -t mangle -L is empty both on host and node (node has no nat table).
