
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).
```