
Subject: TX OVR errors on venet
Posted by [_sgb_](#) on Tue, 17 Sep 2013 08:57:33 GMT
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Hi all,

I'm seeing what looks like intermittent dropped packets on venet0 on the hardware node. What could cause this? Packet TX problems on a virtual interface suggest a resource issue to me, but I'm not seeing any increase in the failcnt on beancounters.

The packets are destined for another container on the same machine. There is no netfilter setup running on any container or on the host node. We haven't introduced any bespoke routing rules.

In the interest of full disclosure, this is a proxmox ve setup and I haven't seen anything like this on my pure OpenVZ nodes, however this machine is more heavily loaded than any other node on our LAN. It's running approximately 25 RHEL5.5 containers.

The issue was noticed when we started to experience SNMP issues - intermittent 'ICMP - Destination Unreachable (Port Unreachable)' in the SNMP conversation, specifically after the 'get-response' packets. I'm not convinced that this is related because the packet drops don't match the ICMP timings.

When the issue was raised with IT, we took the majority of the other containers out of service (they weren't serving anything crucial at the time) in order to reduce the load on the networking stack to see if it made a difference. It doesn't seem to have. We're still experiencing increases in the TX OVR count:

```
root@vzdemo01:~# netstat -i
Kernel Interface table
Iface  MTU Met  RX-OK RX-ERR RX-DRP RX-OVR   TX-OK TX-ERR TX-DRP TX-OVR Flg
eth0   1500 0  38164657  0  0  0  20615000  0  0  0 BMRU
lo     16436 0  3998296  0  0  0  3998296  0  0  0 LRU
venet0 1500 0  127397460  0  0  0  127380657  0  484  0 BOPRU
vibr0  1500 0  37144791  0  0  0  19698118  0  0  0 BMRU
```

```
root@vzdemo01:~# vzctl --version
vzctl version 4.0-4.git.162dded
root@vzdemo01:~# uname -a
Linux vzdemo01 2.6.32-16-pve #1 SMP Mon Oct 22 08:38:13 CEST 2012 x86_64 GNU/Linux
root@vzdemo01:~# free -m
      total    used    free   shared  buffers   cached
Mem:    7936    7856     79      0     437    5515
-/+ buffers/cache:    1903    6032
Swap:   4095     357    3738
root@vzdemo01:~# netstat -an | wc -l
258
```

Any recommendations on troubleshooting steps would be very welcome. I'm considering offloading some checksumming to the physical card but I'd prefer to figure out what's happening before then.

Best regards,

Simon
