
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	0	BMRU
lo	16436	0	3998296	0	0 0	3998296	0	0	0	0	LRU
venet0	1500	0	127397460	0	0 0	127380657	0	484	0	0	BOPRU
vmbro	1500	0	37144791	0	0 0	19698118	0	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
