
Subject: Outbound networking failure

Posted by [iowissen](#) on Wed, 14 Mar 2012 06:28:41 GMT

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sorry if this is more of a Xen problem.

we are running openvz in Xen PVs (kernel 2.6.18-194.3.1.el5.028stab069.6xen), and occasionally the network of a PV, as well as the PV's hosted containers, at a virtual interface is lost. sometimes restarting the network can solve the problem but in most cases we have to restart the PV. the PVs another virtual interface was working and other PVs and the HV keeps working.

detailed observation through tcpdump at the trouble time shows:

1. the inbound traffics can be delivered correctly through eth0 of the PV until venet0;
2. it looks the venet0 is also correctly functioned because TCP sync may get response from container and this sync ack can be seen at venet0;
3. but at the eth0 of PV, we only have seen the TCP sync request towards the containers while the sync ack is missing, thus TCP state of the container's application remains SYNC_RECV
4. if ping the PV, at the eth0, we only have seen the ICMP echo requests but the replies are missing.

we didn't encounter the same problem when those openvz stuffs were running over physical machine instead of xen.

does anyone have any hints or ideas? thanks a lot in advance.

- maoke
