

Daniel Lezcano <dlezcano@fr.ibm.com> writes:

> Hi,
>
> as suggested Rick, I added the Service Demand results to the matrix.

A couple of random thoughts in trying to understand the numbers you are seeing.

- Checksum offloading?

You have noted that with the bridge netfilter support disabled you are still seeing additional checksum overhead. Just like you are seeing in the routing case.

Is it possible the problem is simply that etun doesn't support checksum offloading, while your normal test hardware does?

- Tagged VLANs?

Currently you have tested bridging and routing to get the packets to a network namespace. Could you test tagged vlans?

I'm just curious if we have anything in the network stack today that will multiplex a NIC without measurable overhead.

- Without NETNS?

We should probably see if we can setup the same configuration we are testing without network namespaces (just multiple interfaces on the same machine) and see if we can still measure the same overhead. Just to confirm the overhead is not a network namespace related thing.

I know we can configure the same case with bridging and I am fairly confident that we will see the same overhead without network namespaces.

Of the top of my head I am insufficiently clever to think how we could configure the routing case without network namespaces, although we might be able to force it and if so it would be interesting to measure.

I will work to get the etun setup races fixed and to fix whatever

obvious feature deficiencies it has (like no configurable MTU support) and see if I can get that pushed upstream. That should make it easier for other people to reproduce what we are seeing.

Eric

Containers mailing list

Containers@lists.linux-foundation.org

<https://lists.linux-foundation.org/mailman/listinfo/containers>
