2022-02-09 ViNePerf Agenda and Minutes

Attendees

Sl. No	Topic	Presenters	Notes
1	Development Update		Work in Progress: 1. Qemu. 2. Extracting NIC details from the deployed pod. It is straightforward for pci-id/nic-names, but get tricky with socketfiles. Socketfiles are different for memif and virtio_user. 3. Tgen+Deployment and Node-Port configuration: automation. 4. Results collection from vinperf-pod (on console results) - To decide whether the test is completed or not and collection results in PROX case.
2	2-weeks Off		No meeting for next 2 weeks. Next meeting 2nd March 2022. Will be available to run tests.
3	Kubernetes Dataplane Benchmarking - PROX and T-REX		- Prox: - VPP – Unidirectional & Bidirectional – 5 topologies - OVS – Unidirectional & Bidirectional – 5 topologies - Trex: - VPP – 3 topologies. - net_memif and dummy isn't supported. - OVS – - Current: virtio_user0 - Error: virtio_user not supported. **TODO**: - Poor performances in some scenarios* - Start writing the explanations- Whys? - Highlight issues with Traffic Generators* (Multi-core with prox) - Run TRex with BSwLV - PROX-OVS with multi-cores should work. - Increase test-duration to pickup transients (64) - Run: Bi-Di + Prox + VPP + 64Bytes (_with Luc_) - Need to come-up with 'golden-configuration' – What is right configuration that will give best-performance (CNI technology – vswitches). - separate core for each PMD - More cores to VPP (topology 4 and 5) – Already the max (8 cores)… so, no use.. - To Check: - More cores for trex (in Pod defn. file, add resources) – Daniele to test. - More cores for prox is not working*** - Increase queues (Not sure if it is possible). Memif (vpp) and vhostuser(ovs) – "Sridhar to check" - Swap node – configuration? (Check with Luc).