Integrating DPPD-Prox with ViNePerf for Openstack and Kubernetes Dataplane Benchmarking

Intern

Accepted: Shubhank Saxena

Tasks

Sl. No.	Task	Week	Support from ViNePerf Team	Work Progress
1	Familiarize Vineperf, Traffic generators, results and configures	1		Understood ViNePerf, PROX and various configuration files and envs
2	Understanding TGens through DPPD-Prox Deploy, Config, Run-Test and Collect-Result	1.5	Point to right documentation, and Demo.	Ran a basic configuration of PROX Setup everything on Node-5
3	Automation of 1. collecting prox details from Openstack. 2. Running the test 3. Collecting the results	1.5	Minimal-VinePerf Tool - configuration + results , 5-Apis they should follow (1-config, 3-tests, 1-results)	Generated config files using templating engine and separated necessary configurations from vineperf to run basic tests
4	Automation of 1. collecting prox details from Kubernetes. 2. Running the test 3. Collecting the results	1.5		
5	Testing for 3 and 4	1.5		
6	Integrate with VinPerf - 5-Apis	1.5		
7	Test with ViNePerf	1.5		
8	Submit Patch, Document + Buffer	1		
9	Knowledge Transfer, Handoff	1		