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

Internship Projects/Mentors

Title	Integrating DPPD-Prox with ViNePerf for Openstack and Kubernetes Dataplane Benchmarking
Status	APPROVED
Difficulty	MEDIUM

Description

This work aims to integrate DPPD-PROX traffic generation tool with ViNePerf for both openstack and Kubernetes dataplane benchmarking.

The integration includes the ability to support various Standards based testcases.

Additional Information

https://github.com/opnfv/samplevnf/tree/master/VNFs/DPPD-PROX

https://wiki.anuket.io/display/HOME/The+Architecture

Hosting Repo: "https://gerrit.opnfv.org/gerrit/vineperf"

Learning Objectives

Testing Standards and Specification.

Test Methodologies.

Test-automation.

Expected Outcome

Use ViNePerf to run different standards-based tests on both Openstack an Kubernetes, with DPPD-Prox traffic generation tool.

Relation to LF Networking

This project will be part of Anuket ViNePerf.

This project will be executed in collaboration with Anuket SampleVNF project.

Education Level

Undergraduate

Skills

Python

Future plans

Include other opensource traffic-generators.

Preferred Hours and Length of Internship

Part-Time

Mentor(s) Names and Contact Info

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