

Baremetal Benchmarking

- Through VSPERF Containers.
 - Automated Deployment and Test-control
- Through X-Testing.
- Combination of Both
 - If X-testing does not support “setup” of DUT and T-Gen.
- This is VSPERF is good at Designed For.
- VSPERF is the ONLY OPTION.
 - Fine-Grained Control
 - Multiple TGENs.
 - Multiple Vswitches.
 - Metrics and Analytics.
- Working with OPNFV-Airship Team to Include invoking of VSPERF test soon after the BM-provisioning (Drydock).

Performance Testing

- Users have alternatives
 - NFVBench
 - Yardstick
 - PROX.
 - Openstack – Shaker, VMTP, etc.
- How its (Post-Deployment Performance Testing) done with VSPERF?
 - Deploy the Traffic-Generator VMs on Openstack – Many Tools available.
 - Using Openstack API
 - VSPERF does not have any support for Openstack APIs – WIP (Student-Volunteer Project)
 - **Vendor-Scripts for virtual Traffic-Generator (Spirent/Ixia) present too.**
 - Get the access information (IPs) of (deployed) Traffic-Generator
 - Use it as part of vsperf configuration
 - Run VSPERF in “trafficgen-only” Mode.
- Why VSPERF
 - Any ‘popular’ Traffic-Generator:
 - Opensource and Commercial
 - T-Rex, MoonGen.
 - Spirent, Ixia, Xena
 - No Other framework can do this.
 - Standards driven Tests - TST009 Support of Binary Search with Loss Verification.
 - Metrics Collection and Analysis – Live Results from 3 Traffic-Generator to analyse Binary-Search.