Automating Test-tools deployment in Openstack and Kubernetes

Intern

Accepted: Shreya Gupta

Tasks

Sl. No	Task	Weeks	Support from the Team	updates from Intern
1	Understand ViNeperf, Tools, Traffic generators, testbed, topologies, etc.	1	Knowledge sharing sessions.	Had an understanding session with Sridhar.
2	Deployment Topology Listing and Analysis ☐ Networking Specific ☐ Non-Networking (Compute and Storage)	1	Use cases Discussion	
3	Interface Design ☐ User Input - Display, File-format, etc. ☐ Output - Display, File-format, etc.	1	Design Feedback	
4.	Implementation of user-interface (Web)	1		
5	Create all the Heat-templates for the above topologies and test the templates (manual deployment)	1	Access to Openstack	
6	Create all the pod descriptor files for the above topologies and test the descriptor files. (manual deployment)	1	Access to Cluster.	Successfully able to deploy a simple helm chart for the hello world program. This helped me grasp the important concepts of Helm. Now trying to work on the specific tasks for VinePerf.
7	Automate 5 and 6. Use it as a backend for (4)	2		Working on a python script to automate the process of deployment of charts to cluster and print all the important deployment details
8	Thorough testing of tool	1		
9	Integrate the Tool to ViNePerf. 1. ViNePerf to Consume the output file from the tool	2		
10	Submit the patch, Knowledge-Sharing and Handoff	1		