Pre and Post Deployment Validation for Airship 2.0

Internship Projects/Mentors

Title	Pre and Post Deployment Validation for Airship 2.0
Status	APPROVED
Difficulty	HIGH

Description

This work includes:

1. Pre-Deployment Software Delivery validation for Airship 2.0.
2. Post-Deployment Software Delivery Validation for Kubernetes.

The validation will be done against PDF 2.0

Additional Information

Existing works:

Pre-Deployment Validation: https://github.com/opnfv/cirv-sdv/tree/master/sdv/docker/sdvconfig

Post-Deployment Validation: https://github.com/opnfv/cirv-sdv/tree/master/sdv/docker/sdvstate

Treasuremap for 2.0: https://github.com/airshipit/treasuremap/tree/v2.0

PDF 2.0: https://github.com/opnfv/cirv-sdv/tree/master/sdv/pdf

Hosting Repo: "https://gerrit.opnfv.org/gerrit/cirv-sdv"

Learning Objectives

Automated configuration and deployment validation.

Interacting with deployed openstack and kubernetes environments.

Expected Outcome

Two Tools

1. Pre-Deployment manifest validation
2. Post-Deployment configuration validation

Relation to LF Networking

Anuket CIRV-SDV

Anuket Airship

Education Level

Undergraduate

Skills

Basics of Openstack and Kubernetes

Strong in Python

Future plans

Enhanced to include more use-cases with PDF 2.0

Preferred Hours and Length of Internship

Part-Time

Mentor(s) Names and Contact Info

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