

# 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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