

A background graphic featuring a network of blue lines connecting yellow circular nodes, set against a dark blue gradient background.

# LFN Mentorship Project Presentation

August 2020

# SDV-STATE VALID

- › **Introduction**

- › **Name:** Parth Yadav
- › **Location:** Noida, India
- › **University:** University of Delhi, India
- › **Mentor(s):** Sridhar Rao
- › **LFN Project:** OPNFV

# SDV-STATE VALID

- › **Project Description:** SDV State Validation Tool is an automated, installer-manifest-agnostic testing tool for performing quick status check of cloud software deployment and collecting necessary failure details.
- › Some of the objectives of this project are:
- › Defining standard checks for a successful cloud-software-delivery
- › Promote Adoption of PDF
- › Make debugging cloud more easier and automated

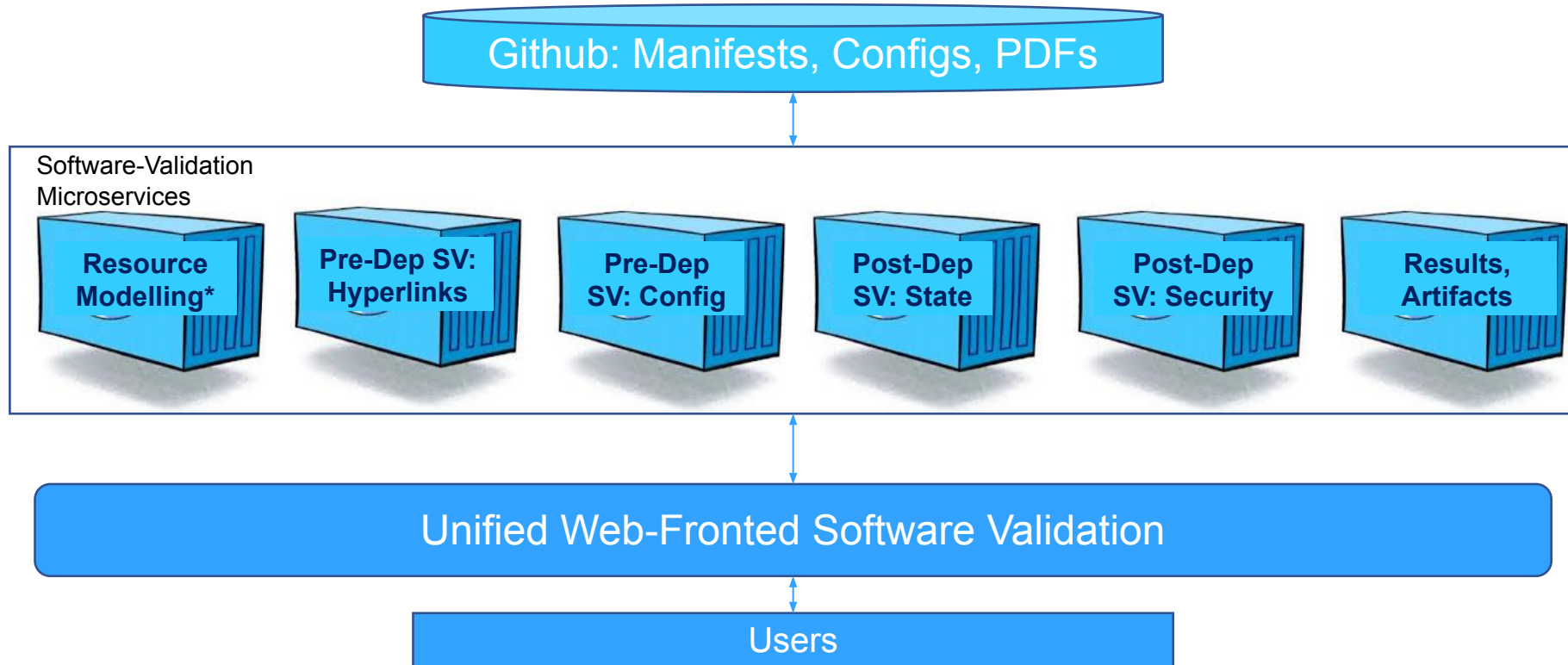
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- › **Project Objectives:** State Validation Tool
  - › Understand Airship Deployment
  - › Develop framework of State Validation tool with support for User-friendly CLI, Dockerized, Proper Result Reporting Format and Logging, TestAPI, extensible artifacts storage system, etc.
  - › Develop State Validation checks for Airship Installer

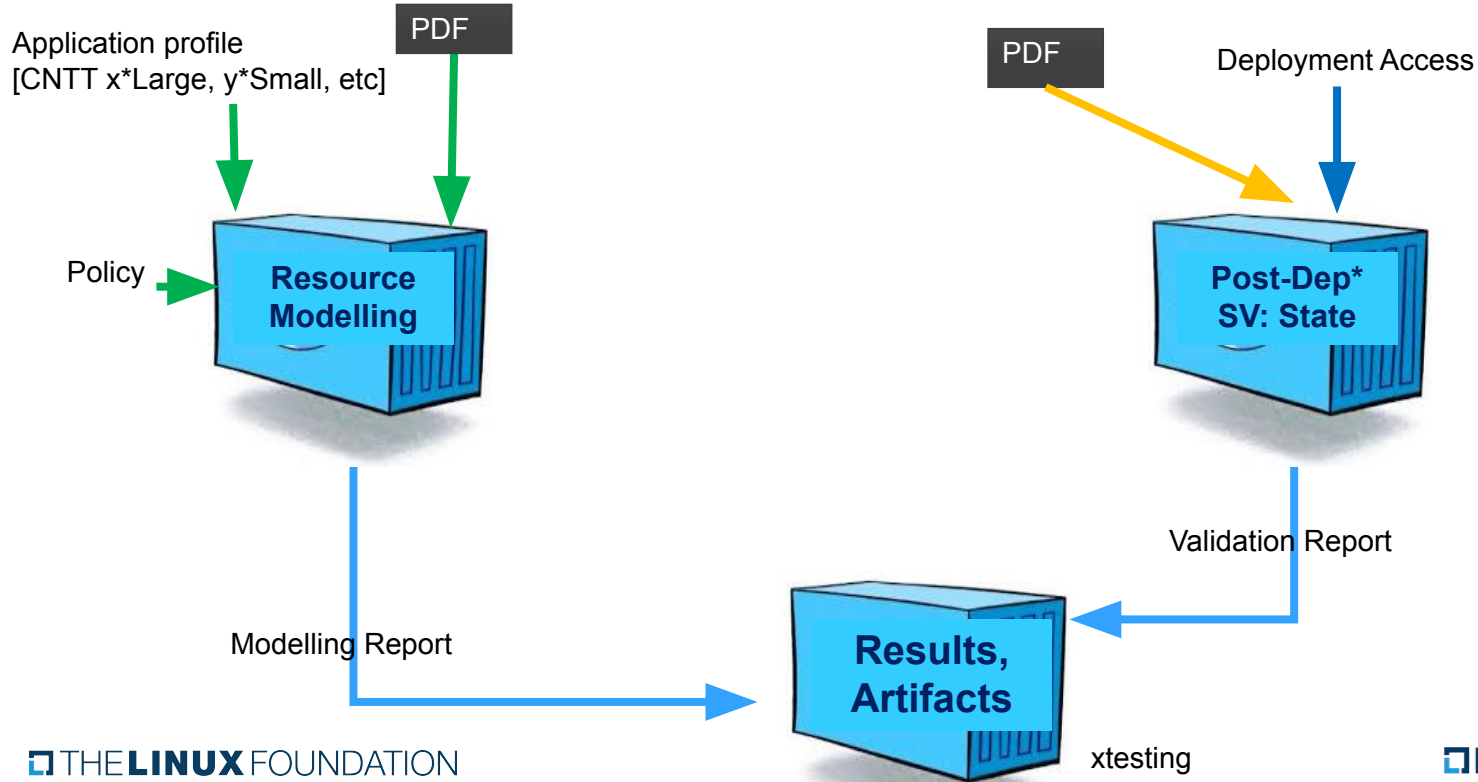
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- › **Project Deliverables:**
  - › State Validation Tool Framework
  - › Airship deployment checks
  - › Web-UI for Resource Modelling Tool in CIRV

# Big Picture



# Big Picture



# SDV-STATE VALID

- › **Project Execution & Accomplishments:**
- › Working with Airship deployments on POD 10 & 15
- › Presented at LFN June Virtual Event
- › Feedback on PDF 2.0 work
- ›



# SDV-STATE VALID

- › **Project Output or Results:**
- › [\[Gerrit cirv-sdv repo\] folders: sdvstate and sdvmodel](#)
- › Demo

# SDV-STATE VALID

- › **Recommendations for future work:**
  - › Extend support for more Installers in community
  - › Add support for Xtesting
  - › Present State Validation checks to CNTT
  - › Support for Web-UI
  - › Support for Plugin based model for 3rd Party Commercial Installers Deployment Validation
- 
- › PDF-UI

# SDV-STATE VALID

- › **Insights Gained:**
- › Installer components & Airship Installer, Openstack-helm, PDF, TestAPI, etc.
- › Team work

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THANK YOU!

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