

Common NFVI Telco Taskforce

*OPNFV PDF >> Airship Manifest
Translation*

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 THE **LINUX** FOUNDATION



Challenge Description (high-level)

- › **Challenge:** Mediate PDF YAML format files to Airship 1.0 YAML format files
- › OPNFV Uses a normalized YAML schema called Physical Descriptor Format (aka PDF) to describe NFVI physical topology
- › Airship uses a YAML schema for its manifests, which describe the physical as well as the rest of the full-stack

Reference Material

- › PDF PPT (PDF-report.pdf):
<https://wiki.opnfv.org/download/attachments/32015111/PDF%20-report.pdf?version=1&modificationDate=1545245644000&api=v2>
- › PDFs in Git for PODs:
<https://git.opnfv.org/pharos/tree/config/pdf>
- › EPIC for PDF to Airship 1.0 mediation:
<https://jira.opnfv.org/browse/AIRSHIP-14>.
- › Jira (Airship Installer):
<https://jira.opnfv.org/browse/AIRSHIP-14> (tooling)
- › Github (CNTT): <https://github.com/cntt-n/CNTT/issues/525>
(tooling)
- › Github (CNTT): <https://github.com/cntt-n/CNTT/issues/526>
(ensure evolution of PDF to fit the need of CNTT RI)

Guidelines

- › Objective is produce an executable that will take the PDF source file as an argument and emit the appropriate Airship 1.0 manifest file
- › Can use language of your choice
- › Should run on a small machine, directly from bash
- › PDF is monolithic
- › AS manifest produces a directory tree of YAML files (identify the relevant file)

Backup