Common NFVI Telco Taskforce

Reference Model Chapter 9: Operations, Administration & Management (OA&M)

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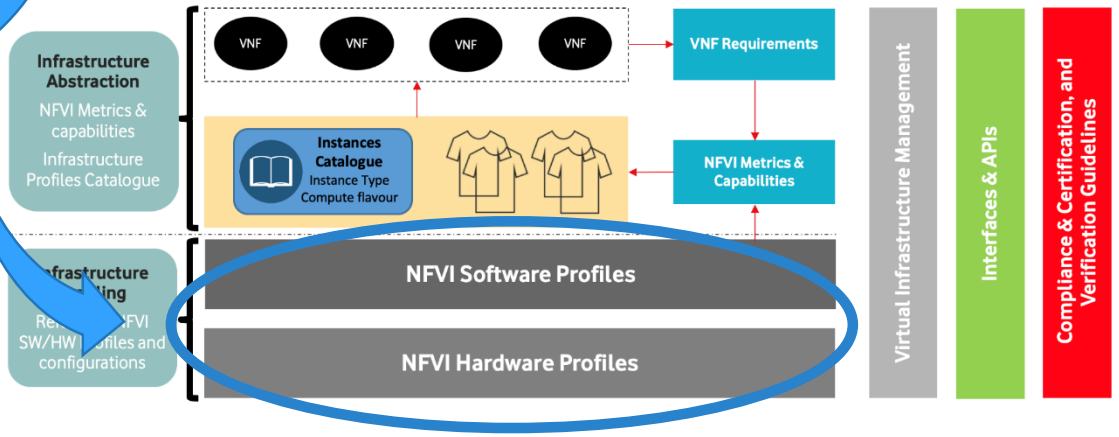
THE LINUX FOUNDATION

GSMA

Operations, Administration & Management

You are HERE!

...and HERE!

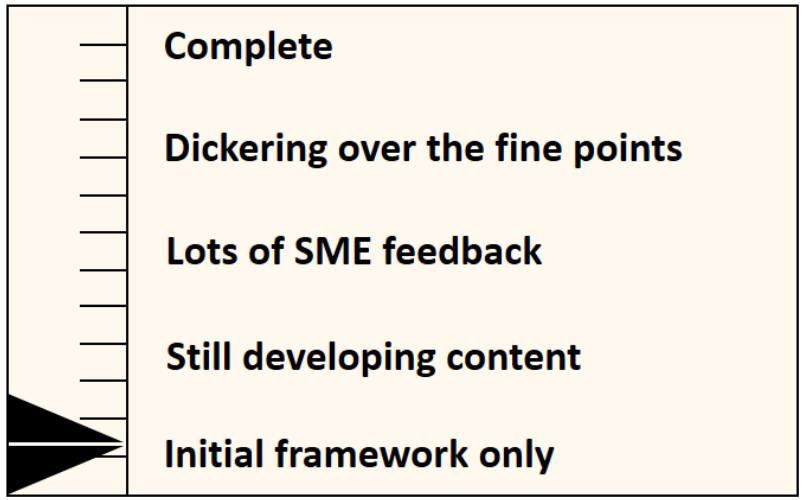


OA&M: Outline and Maturity

9.2 Draft Chapter Outline

- System management and maintenance utilities.
- Service Assurance requirements/capabilities.
- Backup and Restore
- Disaster Recovery
- Documentation / User, and Installation Guide requirements
- Best Practices Guide

Bogo-Meter rating



This Chapter is not MVP for CNTT Release 1

OA&M Chapter Purpose

1. Ensure platform is usable and considers Operations

2. Deployment and lifecycle management

* Footnote text

Infra OA&M Purpose (1 of 3)

The purpose of this chapter is to ensure the infra is:
- supportable / maintainable by Operations
- includes direct Ops group input
- Includes requirements identified for operation and maintenance of the infra, after it is built and deployed (i.e. in production)

Telco infra is by definition, HA/non-stop, so this chapter ensures requirements related to maintaining the infra w/o the need to take it out of service or impact the VNFs and without using excessive human labor, are addressed.

It will also identify any exceptions and related assumptions

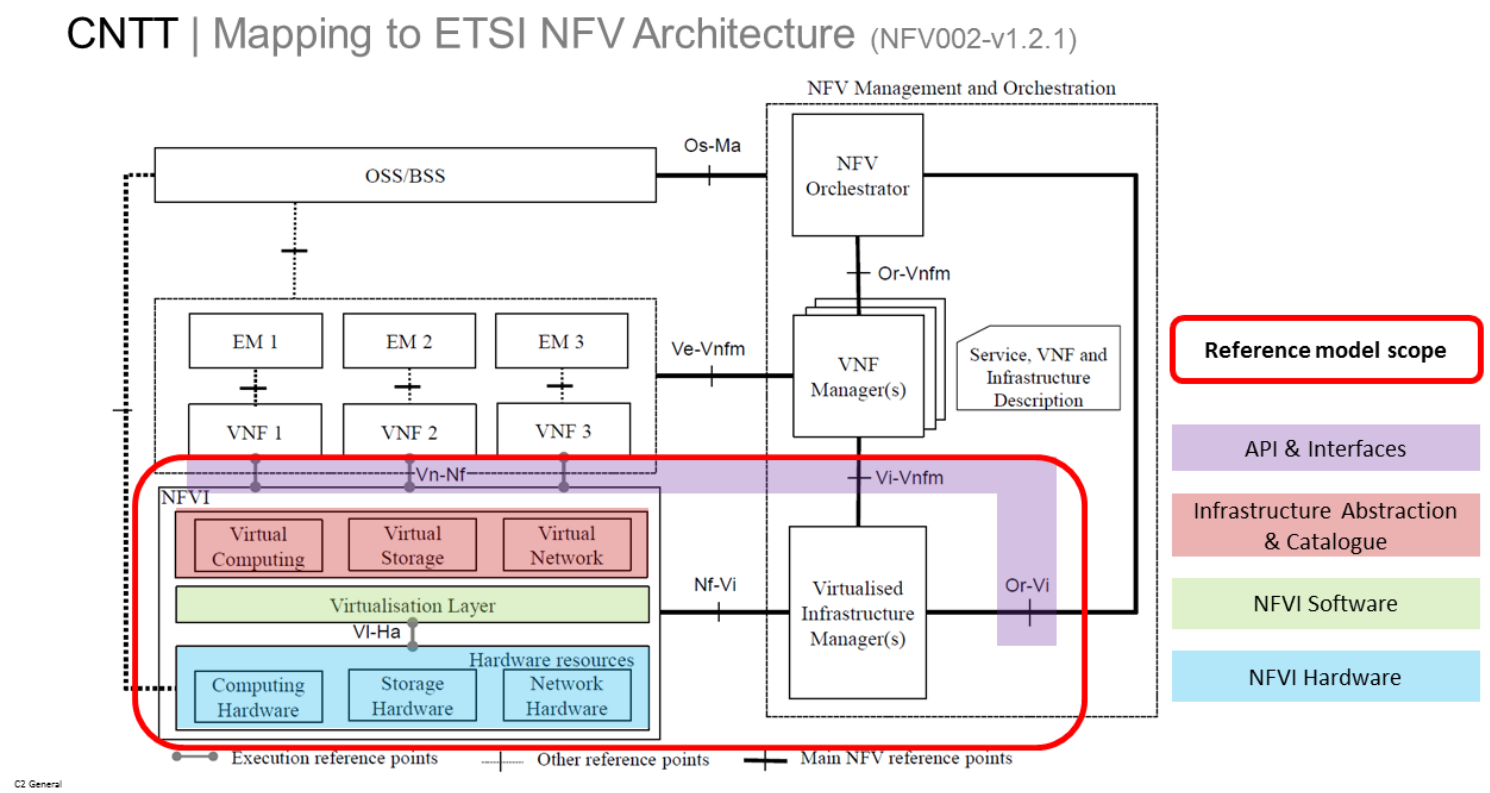
Infra OA&M Purpose (2 of 2)

- System management and maintenance utilities
- Service Assurance requirements/capabilities
- Backup and Restore
- Disaster Recovery
- Documentation / User, and Installation Guide requirements
- Best Practices Guide

* Footnote text

Infra OA&M Purpose (3 of 3)

- Deployment & Lifecycle Management of NFVI + VIM



* Footnote text

Infra OA&M::Your Input (1 of 2)

1. Action - Connect work done on alarm correlations w/ONAP Holmes? PTL synergies with CNTT) for Service Assurance
JB Ch. 9 discussion.

2. Action - Use case: i want to updat my VIM, how do I take into account my VNF availability level? What is standard way to host, including downtime. As part of lifecycle management OA&M.
JB Ch. 9 discussion.
[GO]: Use Fenix for host maintenance

3. Moved to Chapter 1

4. Lifecycle of VNF(strike this) and NFVI (VIM). This should be covered in Chapter 09
JB VNF is for ONAP. NFVI (VIM) is Ch. 9 scope. Add explicit points of clarification in that Orchestrator is agnostic (Ch. 1).

Infra OA&M::Your Input (2 of 2)

5. Define the best practice around service assurance & service performance monitoring. ie. Is the NFV-O expected to perform these functions or would the traditional NMS, service performance tools still take care of these (which means VNF would send metering data/heartbeats directly by-passing NFV-O?)

6. MT-NFVI component upgrade and scaling
JB OK. Ch. 9. need to discuss addressing data capture for this: get's into reference architecture vs. implementation, telemetry

7. MT-NFVI measurements and Threshold Crossing alerts

8. [PB] Shall we explicitely call here (mention, specify) the use of CI/CD / GitOps technologies for LCM of the NFVI ? Or only the characteristics and expected results of the use of CI/CD (example: for frequent upgrades). Any other work at LFN (XCI work?) that could/should be leveraged ?
JB: Implementation chooses what is the best to use.

Infra O&M::More Input

* Footnote text

Thank You!