

Common NFVI Telco Taskforce

***Day 2 - Reference Model Chapter 7:  
APIs***

Mark Shostak, AT&T

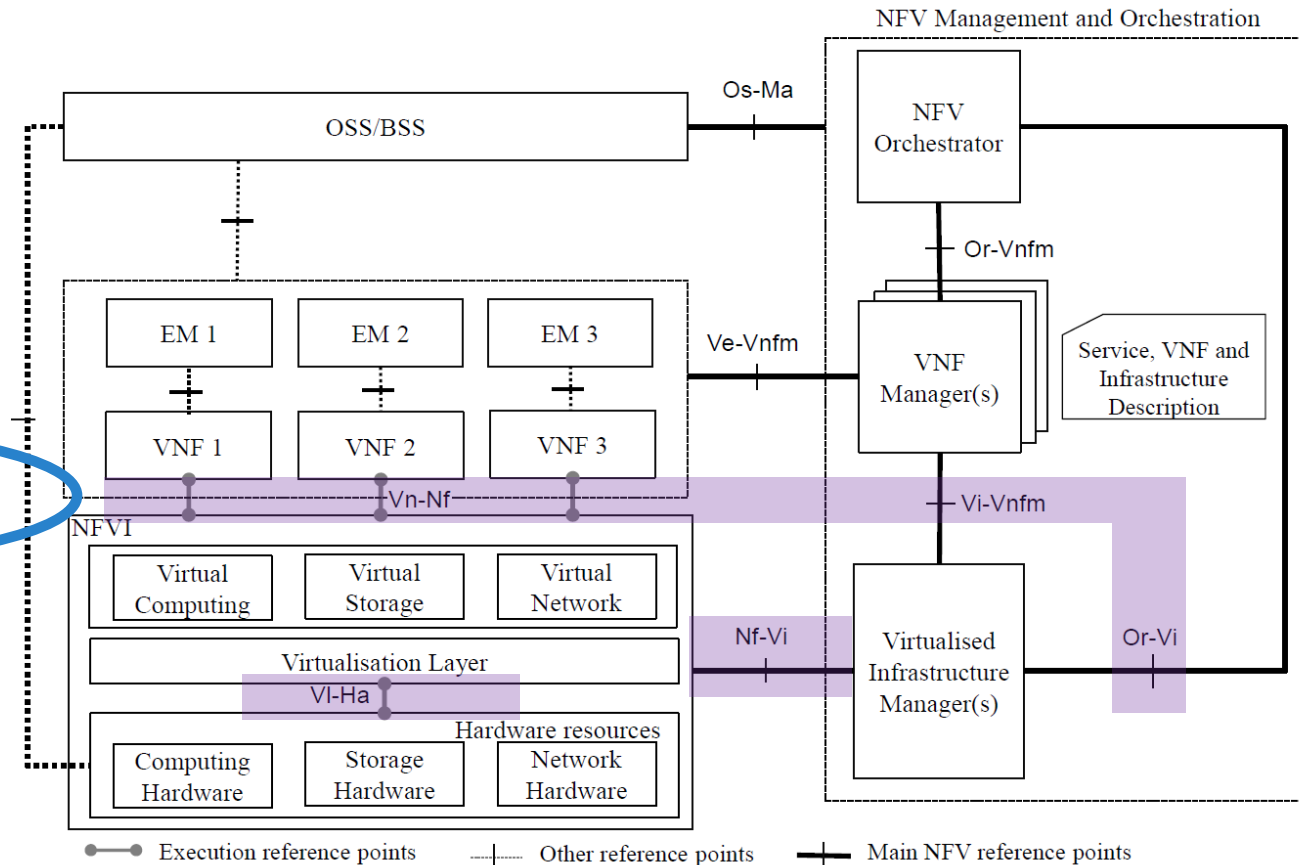
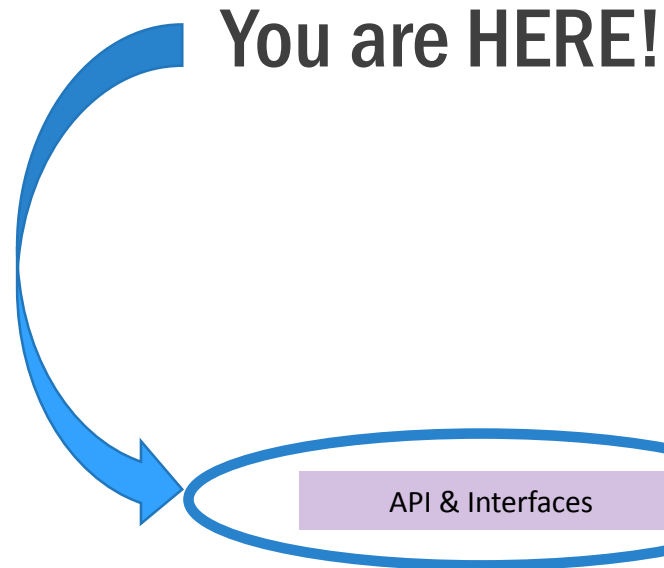
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# Application Programming Interfaces (API)

You are **HERE!**

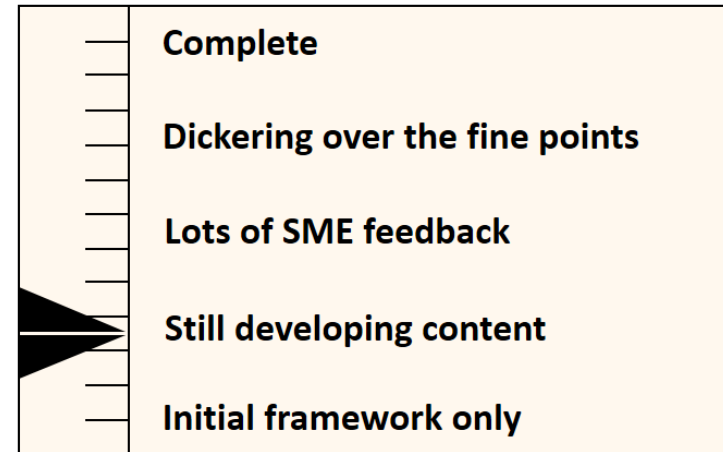


# APIs: Outline and Maturity

## Table of Contents

- 7.1 Infra related APIs.
- 7.2 NFVI APIs.
  - 7.2.1 Tenant Level APIs.
- 7.3 Supporting Enabler Service APIs (not-MVP).
  - 7.3.1 NTP, DNS, etc.
  - 7.3.2 Licensing and imaging connectivity.
- 7.4 Acceleration Interfaces and APIs (not-MVP).
- 7.5 Tool functionalities needed (not-MVP).
  - 7.5.1 Categorized (not specifically named).
  - 7.5.2 Policies and Security related primarily.
  - 7.5.3 If embedded in VM.
- 7.6 Cloud agnostic (not-MVP).
- 7.7 IPL (Reference Model component only) (not-MVP).

## Bogo-Meter rating



# Key Tenet

From Sections 1.3 – Principles

***All APIs utilised must be standard and open  
to facilitate interoperability and  
component substitution***

# APIs::Your Input (1 of 2)

1. Defining acceleration interfaces.  
JB Ch. 7 & 3.
2. Discovery of resources?
3. Service chain management is key.
4. Impact of Infra-related APIs on VNF developer, e.g. do they even need them and why? needs explanation.
5. APIs: Recognize and act when there is conflict between "standards/open" and "interoperable".
6. Need to work with the industry to come up with standard interfaces for Hardware Acceleration.

ETSI NFV has done a lot of work in this area: IFA002, IFA018 and IFA019 are the documents

[G0]: We should utilise implemented solutions+1

# APIs::Your Input (2 of 2)

7. The APIs of concern would be heavily dependent on the scope as per defined in reference architecture by CNTT. Untill that is defined, we would not know if we are missing any relevant APIs. LSO & SDN controller related APIs should be considered (but of course dependent on the scope of the reference architecture).

JB Ch. 7.

9. CNTT should also identify gaps in the intergration architecture and callout any missing or existing interfaces that have not been standardised. Subsequently, work with the relevant SDOs to define these APIs or have these standardized where possible.

JB need transition plan in Ch. 1, 7 for existing interfaces that already exist.

10. [PW] Some of the details in figure 7-2 should be moved to the reference architecture.

JB. Ch. 7.

# APIs::More Input

- Enabler Services APIs

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# Thank You!