



Overview and ongoing work of TMForum

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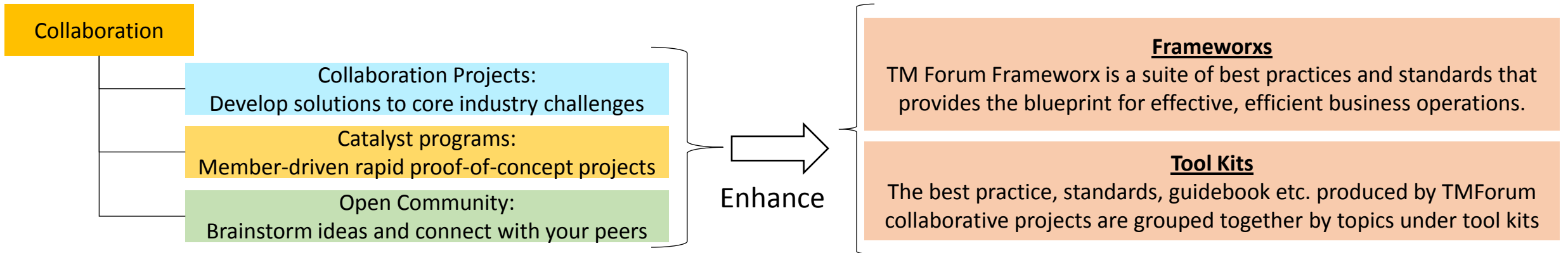
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Agenda

- Overview of TMForum
- Ongoing TMForum projects to address SDN/NFV Challenges
- Mapping : TMForum E2E Architecture with ONAP
- TMForum Open APIs suite mapping with ONAP
- TMForum work which can bring value to ONAP

Overview of TMForum

TMForum provides the ecosystem for Collaborative R&D.



Frameworkxs

eTOM: Map of business processes required to run an efficient, effective and agile digital enterprise.

TAM: Map of applications providing a common language and means of identification for buyers and suppliers across all software application areas.

SID : standard definitions for all the information that flows through the enterprise and between service providers and their business partners.

Integration Framework: Integration Framework provides a complete set of standards to integrate existing legacy end to end management applications as well as the platform services of tomorrow.

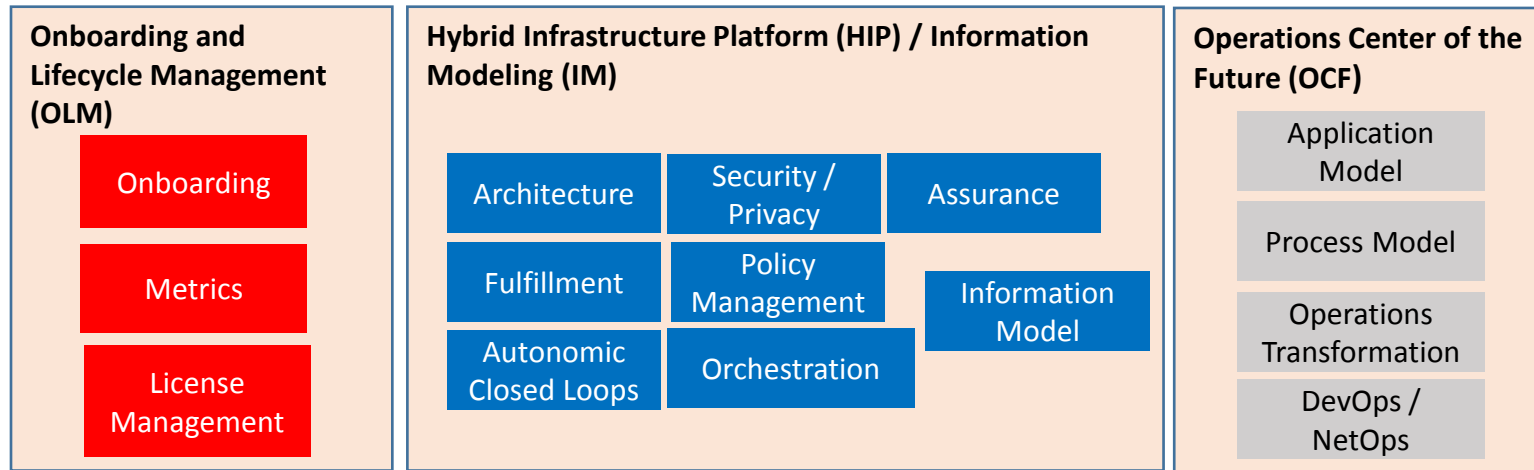
Open APIs: TM Forum's Open API program is a global initiative to enable end to end seamless connectivity, interoperability and portability across complex ecosystem based services.

Framework Metrics: Industry-agreed view of the standard, quantifiable metrics a Digital Services enterprise requires to run its business

CurateFx Ecosystem Design: CurateFx gives users an unmatched set of step-by-step blueprints, graphical decision tools, ecosystem visualization maps, and collaborative capabilities to define, design and enable partner-centric digital services.

Ongoing TMForum projects to address SDN/NFV Challenges

ZOOM (Zero-touch Orchestration, Operations & Management) Project



Hybrid Infrastructure Platform:

Hybrid infrastructure Platform(HIP) is to apply the platform concept and catalysts learning to resource management, thus:

- Reducing time to on board new technology
- Enabling innovation and differentiation from suppliers.
- Whilst reducing integration friction (cost / time) in adopting new technologies.

Open APIs

TM Forum's Open API program is a global initiative to enable end to end seamless connectivity, interoperability and portability across complex ecosystem based services.

Open API suite which is a set of standard REST based APIs enabling rapid, repeatable, and flexible integration among operations and management systems, making it easier to create, build and operate complex innovative services.

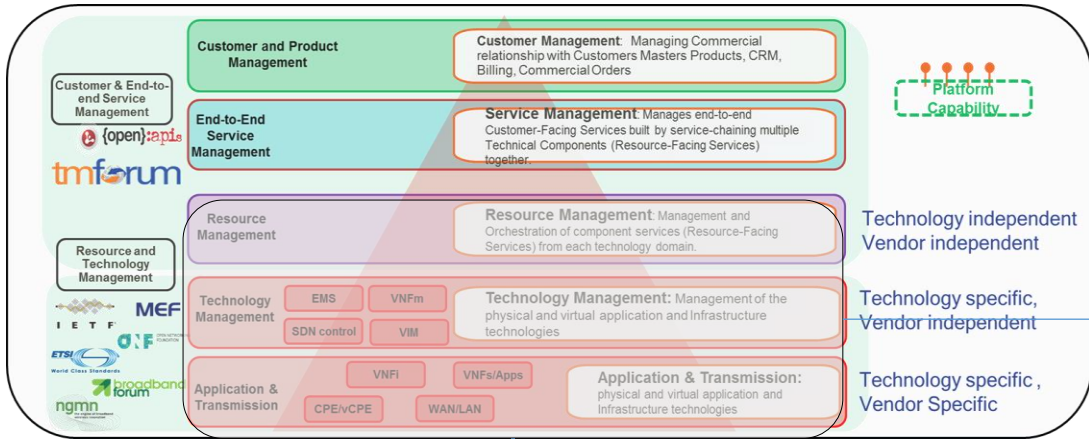
TM Forum REST based APIs are technology agnostic and can be used in any digital service scenario, including B2B value fabrics, Internet of Things, Smart Health, Smart Grid, Big Data, NFV, Next Generation OSS/BSS and much more.

Open API Manifesto:

To date, 28 of the world's leading service providers and technology ecosystem participants have signed the Open API Manifesto publicly demonstrating their endorsement of TM Forum's suite of Open APIs. Community of over 23k Professionals 400 companies & 2000 users

Mapping : TMForum E2E Architecture with ONAP

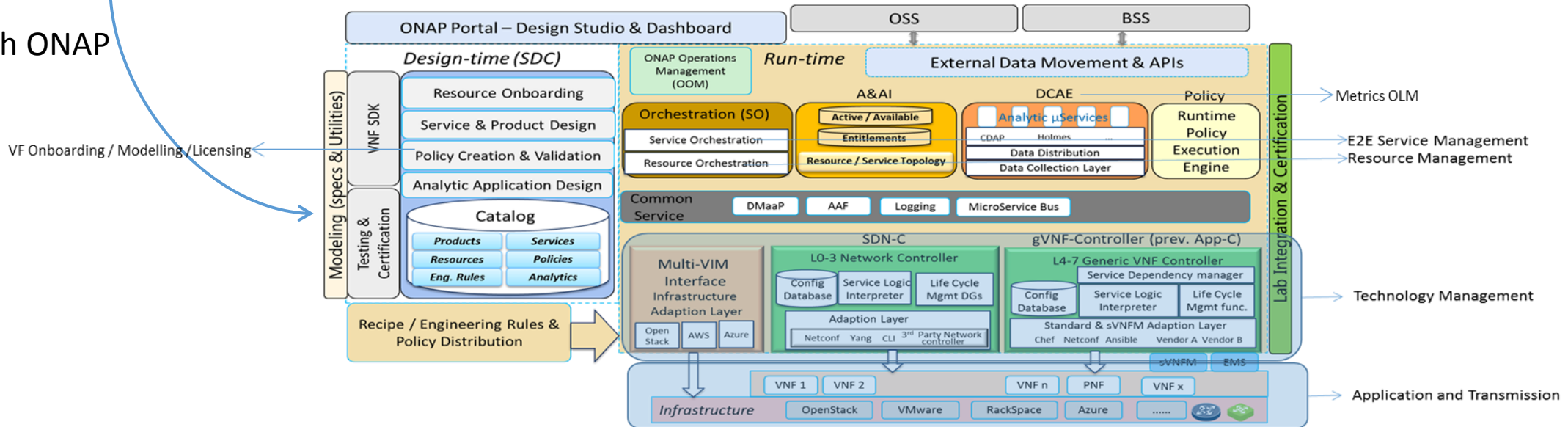
TMForum E2E Layered architecture



Platform capability driven through Open APIs

Focus area of Hybrid Infrastructure Platform (HIP)

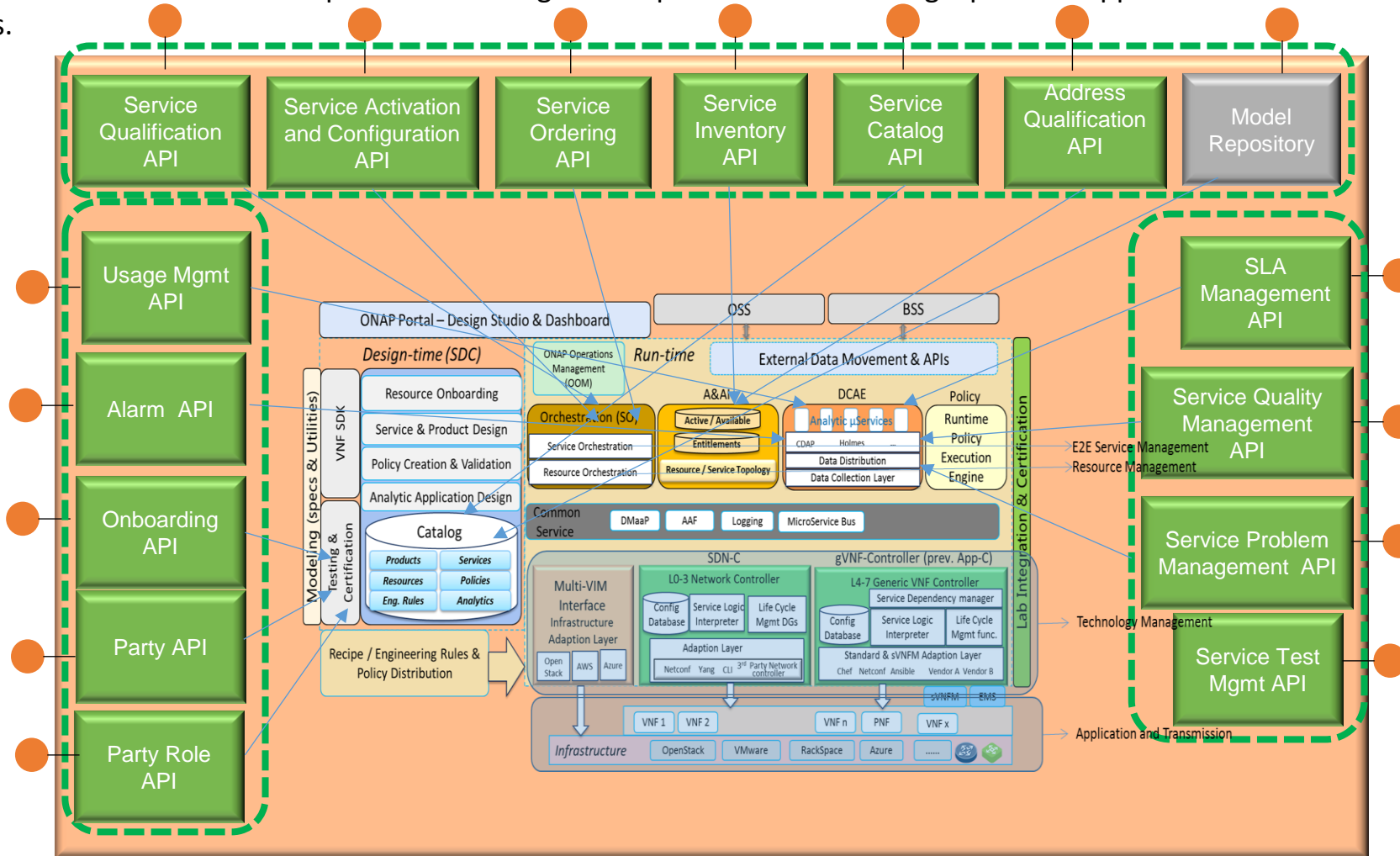
Mapping with ONAP architecture



TMForum APIs suite mapping with ONAP

TMForum Open API:

TMForum Open APIs is suite of 40+ REST based open APIs enabling service providers in delivering a practical approach to seamless end-to-end management of complex digital services.



TMForum work which can bring value to ONAP future releases

1. Open APIs
2. Adoption of HIP architecture blue print, including the concept of E2E Service Management.
3. VF Package (Non functional Meta Data Onboarding and Lifecycle Management)
 - License Management (IG1143)
4. Reuse the Catalog model
5. SID model for Inventory modeling