

Next Generation Orchestration Platform Data Sheet

Dimetis OpsNGN is a carrier-grade, fluid next generation OSS orchestration platform for hybrid networks supporting legacy, Software Defined Networks (SDN) and Network Functions Virtualized (NFV). Using a true *Dynamic Inventory* model, OpsNGN provides Communication Service Providers (CSPs) with service and network agility, life cycle service automation (including deploy, scale, heal and terminate), service assurance, and the power to scale up and out in a multi-vendor environment.

OpsNGN is the natural evolution of Dimetis BOSS LINK Manager® (end-to-end hardware-agnostic configuration system) and fully integrates with existing OSS/BSS systems and other orchestrators. OpsNGN provides a 3-layer orchestration approach:

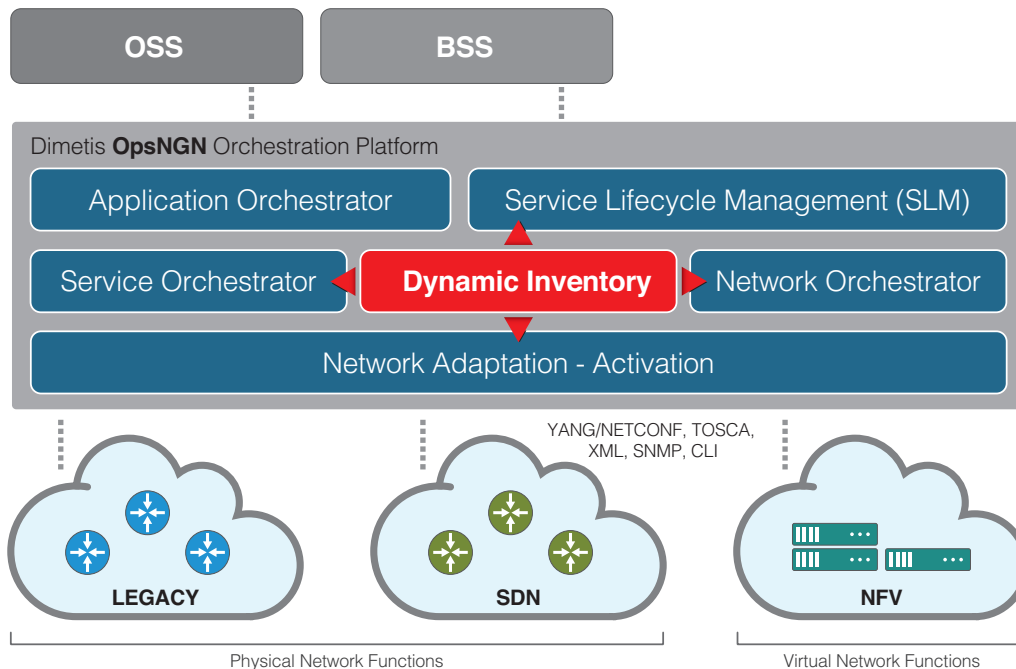
- 1. Application Orchestration** — Coupling between legacy OSS environments and Dimetis OpsNGN to federate all network and service data required for composing network and service configurations without a lengthy and expensive systems integration approach.
- 2. Service Orchestration** — Delivers a seamless end-to-end configuration of services over multi-layer, multi-domain, heterogeneous network infrastructures.
- 3. Network Orchestration** — Allows for highly scalable, parallel network configuration transaction operations for maintaining the network.

BUSINESS BENEFITS

- Preservation of service revenue & reduce service delivery times
- Creation of new revenue-generating services
- Improved quality of services
- Less human errors and less repetitive manual work
- Vendor independence and future-proof with one tool to manage software & hardware

Dynamic Inventory

Inventory integrity is at the very core of a successful migration to virtualized networks. Using Dimetis's year's of experience in inventory discovery technology, OpsNGN has been developed to provide real-time and stateful resource management to reconcile the "as-built" with the "as-designed" network and service inventory.



ETSI Management and Orchestration (MANO) Reference Model

OpsNGN has incorporated the ETSI MANO model into the next gen OSS platform to manage NFV Orchestrator, VNF Manager(s), EMS functionality and integration to exposed VNFs.

- Service aware across VIM and PIM domains
- Automated context-aware scripting for faster service delivery
- Supports for vCPE, SD-WAN, EVPN, dynamic service assurance and analytics

Dimetis OpsNGN - GUI / Example Screenshots

Sample Screenshot

- Alarms (tabular view)
- Graphical Network View
- Inventory Details
- Notification (tabular view)
- Root Cause Analysis (RCA)



OpsNGN Feature	Benefit
Multi-Layer Orchestration Applications, Services & Networks	Two layers of abstraction to quickly model network & services. Drag-and-drop service modeling eliminates the need for any coding.
Dynamic Inventory	Full featured network & service inventory always in sync with the network for inventory integrity & accurate service design.
Discovery - Equipment, Network & Service	Easy brownfield deployment - Detailed network & service visualization with drill-down capability to quickly deliver operations intelligence to the end user.
Service Life Cycle Management (SLM)	The SLM feature gives the operator a full 360° view of service from inception to decommissioning.
Automated Network and Service Upgrade	Effortless control of service & network migration for technology refresh.
Service Provisioning	Service design-assign based on real-time knowledge of a network's physical & logical resources to reduce/eliminate order fall-out & order-to-cash cycle.
Intuitive Full-Featured UI and Customer Self-Service Portal	Expose application capabilities to internal & external users with full Access Control List (ACL) function.
Network Interfaces	Support for NETCONF/YANG, SNMP, Telnet, CORBA, TOSCA & supports CLI communication with the network.
Fault and Root Cause Analysis	Leveraging Dimetis OpsNGN native network event collection, interpretation & root cause analysis - Operators can quickly assess customer impact.
Service Creation Suite	<ul style="list-style-type: none"> • Network Adapter Development Kit • Technical Activation/Workflow Engine • Services Policies • GUI Workflow • Device Configuration Management

About Dimetis

Dimetis is a leading company in managing hybrid networks over the last 25 years with various projects in the telecom and broadcast OSS domains. Dimetis global installed base of customers include such operators as AT&T, A1 Telekom (former Telekom Austria), AboveNet, GlobeCast France, Hibernia (USA + Europe), Telstra Australia, and Telenor Norkring Norway. OpsNGN has been tested and evaluated in several Proof-of-Concepts (PoCs) with global Tier-1 service providers.

Dimetis is a member of the TMF, IETF, ETSI NFV, EBU bodies, which are dedicated to defining functional requirements and standards for the next generation networks and emerging architectures.

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