COMARCH

REAL-TIME OSS
- SDN/NFV ORCHESTRATION
If providing innovative services and a seamless digital experience give your company its competitive edge, don’t let rising operational costs or network limitations impede your ability to shine among CSPs and OTT players.

After years of extensive proofs of concepts in the area of SDN/NFV in relation to telecommunication networks, now is the time to address real needs and benefits arising from software-defined networking (SDN) and network function virtualization (NFV).

Adoption of engineering processes to support domain controllers allows further automation of fulfillment and assurance processes, and thus significant cost reductions for operations.

The ability to manage and orchestrate virtual and physical network functions in one system reduces the complexity of adopting new technology and enables support for innovative telecom service offers for customers.

The Comarch OSS solution provides a consistent platform that can be used for the provisioning and management of services over VNFs, PNFs and SDN-controlled telecom networks. Acting as “controller of controllers” Comarch real-time OSS provides comprehensive end to end orchestration of complex multi-domain topologies.
SDN/NFV SUPPORT IN COMARCH OSS

Comarch OSS as a Closed-loop Solution for Hybrid Network Management

NEXT GENERATION SERVICE ORCHESTRATION

A catalog-driven orchestration platform that enables simplified yet powerful end to end service delivery to customers, over the virtualized and non-virtualized parts of the network.

- Based on the TM Forum SID model (CFS-RFS-R).
- Supports service decomposition, free-style combining and orchestration.
- ETSI NFVO extended with support for PNFs, multi-domain orchestration and manual tasks.
- Support for dynamic service chaining and service lifecycle management.

INTEGRATED VNF AND PNF MANAGEMENT

Comarch offers a model-driven resource management portfolio with integrated support for VNFs and PNFs, allowing gradual evolution towards NFV.

- Single integrated resource catalog and inventory that can manage VNFs, PNFs and NFVI resources or delegate parts of the model to a lower level system.
- Framework integration between service and resource inventory enables automation fulfillment and assurance processes.
- Generic VNF manager implementation for handling VNF lifecycle, including VNF scaling and healing. Ability to integrate with vendor-specific VNF managers
- VNF onboarding through ETSI-compliant descriptors. VNF customization through Comarch Console GUI.
- OpenStack integration.
SDN

Consistent SDN and legacy network management, thanks to a flexible design framework which enables rapid process adaptation and handover of functions to the SDN Controller.

- SDN technology acts as a “controller of controllers” enabling end to end service orchestration and management.
- Comarch Configuration Management module for vendor-agnostic, model-driven network reconfiguration supporting a wide range of network technologies and devices.
- Simultaneous support for PNFs and VNFs in a single system (Comarch OSS) provides the foundation for network slicing.

FAULT, PERFORMANCE AND SERVICE QUALITY MANAGEMENT FOR SDN/NFV

Next Generation Service Assurance monitors the impact of physical hardware failures on VMs, VNFs and, ultimately, the customer, and automates the process of resolving problems.

- Fault and KPI monitoring for OpenStack and OpenDaylight. Correlation of VNF and NFVI resource alarms and KPIs.
- Comarch Fault, Performance and Service Quality Management monitor virtualized and non-virtualized network functions, triggering VNF healing and scaling to provide the best possible customer experience at peak load times.
- Tight integration with domain controllers, real-time event handling and reaction, and correlation of domain related alarms into service oriented management.

ABOUT COMARCH

Since 1993, Comarch’s specialist telco solutions business unit has worked with some of the biggest telecoms companies in the world to transform their business operations. Our industry-recognised telco OSS and BSS solutions help telecoms companies streamline their business processes and simplify their systems to increase business efficiency and revenue, as well as to improve the customer experience and help telcos bring innovative services to market. Comarch’s telco solutions customers include Telefónica, Deutsche Telekom, Vodafone, KPN and Orange.

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