

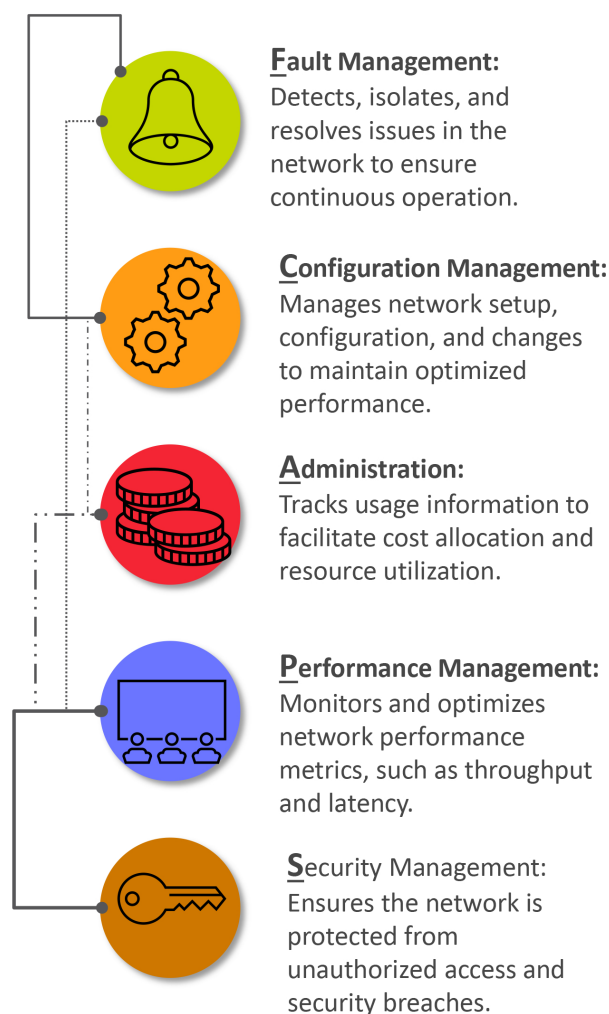
PON Evo™ SDN Management and Control Platform

Software Defined Network (SDN) Management

The PON Evo™ SDN Management and Control platform is CommScope's solution for remotely controlling OLTs, ONTs, and all CommScope Optical Line Termination (OLT) hardware components. The SDN Management and Control platform supports the onboarding and integration of third-party OLTs to provide maximum flexibility, OPEX reduction, and reduced operational complexity in multi-vendor environments.

A Simplified Networking Management Experience

The PON Evo SDN Management and Control platform provides operational efficiency via such features as centralized Alarm Management, Reporting, Job Scheduling, Access Control, Zero-Touch Configuration (ZTC), and Zero-Touch Provisioning (ZTP). The platform includes a management-level Graphical User Interface (GUI). Virtualization and slicing capabilities are available to support differentiated and innovative business models to provide comprehensive coverage across all pillars of the FCAPS framework.



A Complete Management Portfolio

CommScope PON Evo is a modular, scalable, and multi-user SDN Management and Control platform that provides a centralized view of a network composed of multi-technology devices, enabling efficient and effective management of network resources aligned with the operator's business goals.

Equipped with a suite of GUI applications, the SDN Management and Control platform offers essential network management features, including provisioning, maintenance, and monitoring, covering all FCAPS functionalities (Fault, Configuration, Administration, Performance, and Security). Integration with third-party management and information systems is enabled through a standardised set of northbound interfaces (NBI).

With modular and scalable package delivery, the SDN Management and Control platform is customizable to meet each client's specific needs across diverse markets and business requirements.

The platform's architecture is based on software-defined networking (SDN), offering virtualized views of the network domain that it controls and manages, which can be exposed to other SDN controllers or applications through APIs.

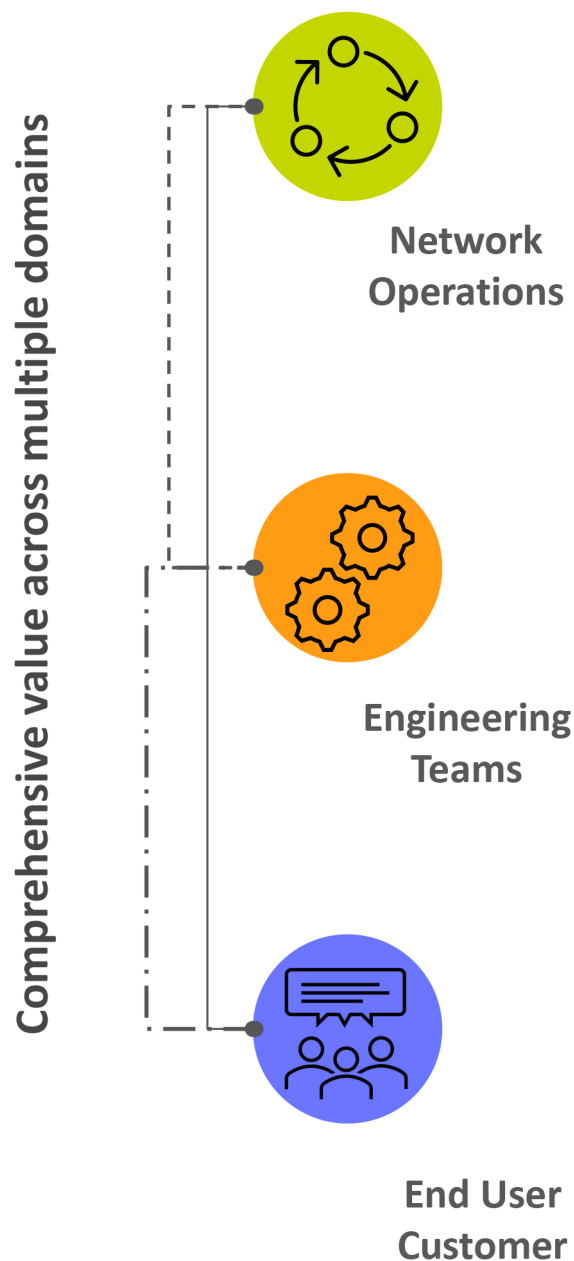
BUSINESS BENEFITS

The SDN Management and Control platform provides several key business benefits, ranging from single-technology, single-user, low-processing requirements to high availability, geo-redundancy, and multi-technology management scenarios. It significantly reduces operational costs and boosts efficiency by enabling real-time, end-to-end service provisioning across network infrastructure, facilitating rapid detection of network faults and QoS degradation.

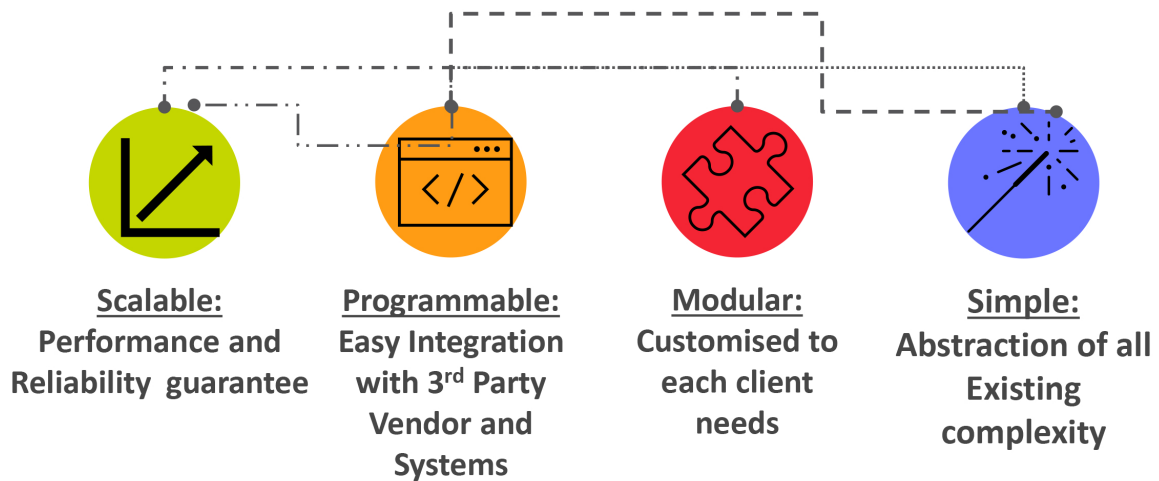
Key business benefits include:

- Complete management and control of multi-technology and multi-service provisioning.
- Seamless integration and programmability through external and standardized interfaces Application Programming Interfaces (APIs) that cover all FCAPS dimensions; the APIs offer a high-level abstraction of the underlying network resources, allowing OSS and other external applications or higher hierarchy SDN controllers to effectively "program the network."
- Flexible scripting capabilities for massive operations, tailored to offer easier and faster processes based on client needs.
- OPEX reduction through simplified network operations.

- Scalable solution suitable for various network deployment scenarios.
- User-friendly interface with an attractive and easy-to-navigate GUI.

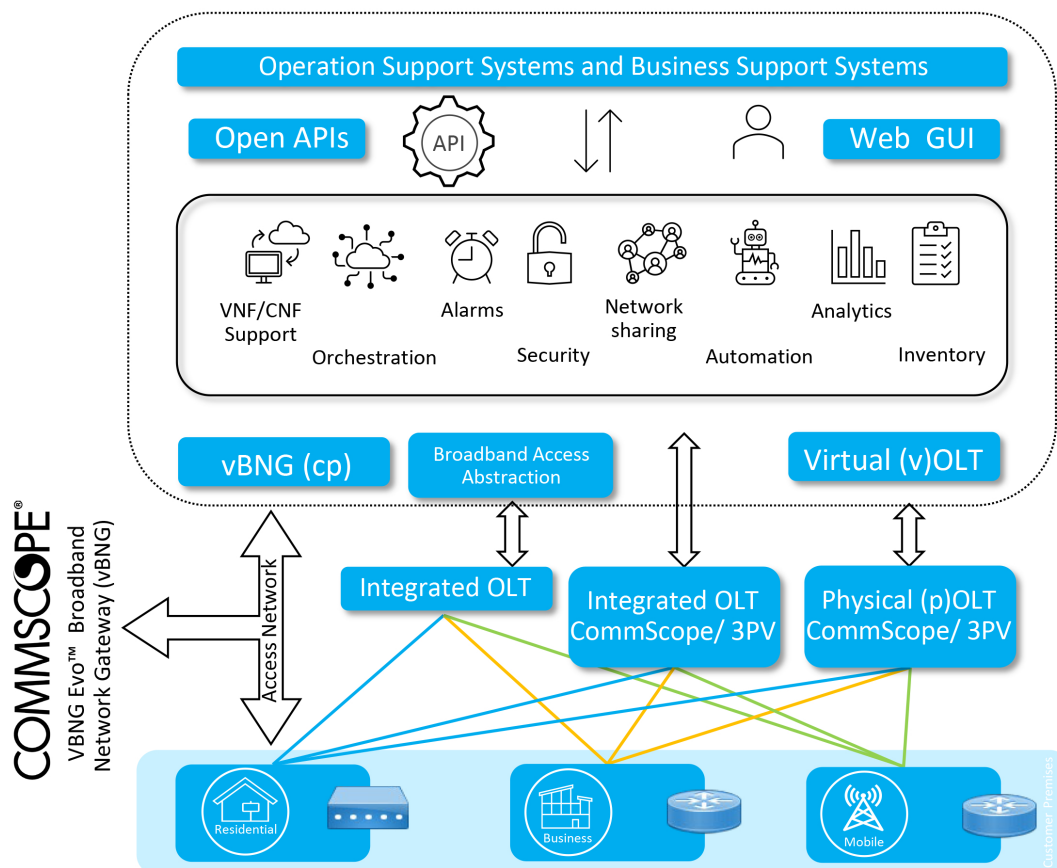


KEY DIFFERENTIATORS



SOLUTION ARCHITECTURE

The SDN Management and Control platform is composed of various applications and components, as illustrated below, which work together to deliver a comprehensive management experience. It simplifies and abstracts the Network Elements, providing numerous services and a complete set of tools that can be accessed by higher-level applications, such as OSS or external SDN applications. A GUI interface allows operators direct access to CommScope Evo, enabling user-friendly provisioning and monitoring of all managed resources.



ENHANCE XPON SOLUTIONS WITH THE SDN MANAGEMENT AND CONTROL PLATFORM



Open API

Open API—Enables programmability and Automation processes. Fast and simple Integration with Northbound OSS/BSS.



VNF/CNF Support

Support for disaggregated network elements extends Virtual Containerized network functions with flexibility and agility.



Orchestration

Support for OSS and other external applications or hierarchical SDN controllers to “program the network” through orchestration via APIs.



Automation

Closed loop operations for carrier-class management of large scale deployments; Improved network efficiency and responsiveness.



Analytics

Network components metric monitoring, including outside plant Environmental monitoring, ensuring optimal network operation.



Alarms

Network components metric monitoring, including outside plant Environmental monitoring, ensuring optimal network operations.



Network Sharing

Infrastructure sharing amongst “Virtual Network Operators” in alignment with new optimized business models.



Inventory Mgt

Together with Alarm management, maintains up-to-date network component history, supporting more efficient operations by tracking, in real time, the status of network elements.



Security

All capabilities of the SDN Management and Control platform are executed with highly granular authentication control protocols to ensure only authorised users can access specific functions.

CommScope pushes the boundaries of communications technology with game-changing ideas and ground-breaking discoveries that spark profound human achievement. We collaborate with our customers and partners to design, create and build the world's most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow. Discover more at commscope.com

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