

# Provisioning

24th of June 2021

## Why be complicated when it can be simple?

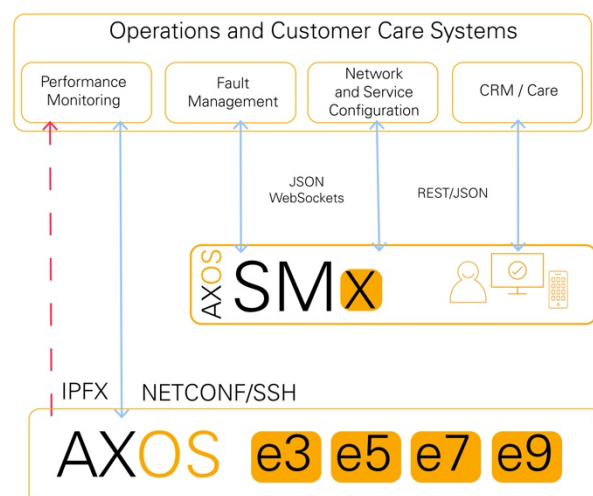
There is a real opportunity for service providers to simplify their OSSs by taking a highly automated and dynamic approach to service operations. API-based approaches have long since become mainstream and are used in countless networks. This supports increased automation and highly dynamic operational processes, which now extend from the OSS into the cloud control domain. Automation is key and by automating the manual back-office integration functions, service providers can significantly reduce time-to-market.

BN offers Calix's Services Management Connector (SMx), a provisioning module that integrates very easily into the existing system landscape via REST/JSON.

This environment focuses on flexibility and serviceability to enable rapid service creation, service deployment automation and operational scaling.

Whether through industry standards or abstracted REST/JSON northbound interfaces, SMx dramatically simplifies and streamlines your operations and accelerates your time-to-market capabilities in the areas of:

- OSS back-office integration
- Service delivery
- Performance management
- Alarm management
- Inventory management



## Simple, fast and error-free!

Customers who have migrated from traditional hardware-centric solutions to Software Defined Access solutions from Calix (AXOS) can now, thanks to SMx, not only commission the OLTs easily and efficiently but also activate the ONTs remotely in seconds. Thanks to the global ONT and registration ID, all services can now be pre-provisioned without knowing the OLT name or ONT serial number. This reduces the time to commission individual customers from minutes to seconds.

SMx provides a comprehensive set of management and control functions required to run Calix AXOS. The service provisioning and management functions are designed to take advantage of the AXOS anyPHY and anyPON architecture to enable platform and PHY neutral service configuration using service templates that abstract platform and technology to provide a simple, consistent workflow for copper and fibre systems.

## This and much more is at your disposal!

CONFIGURATION MANAGEMENT	PERFORMANCE MANAGEMENT
Node discovery and Network configuration	Real time statistics
Service administration and provisioning	Node, port service performance
Bulk configuration changes	Collection scheduling (Y.1731*)
Software management and upgrades	Reporting*
Configuration backup and restore	
ACCOUNTING	SECURITY
Logging and reporting	User and group management
Usage data collection scheduling (IPFIX*)	Reporting
	Secure NBI/SBI communications

## Integration into existing system landscape

AXOS SMx Connector is a cloud-ready element and network management software application that leverages an Open Daylight (ODL) SDN controller infrastructure to provide a robust development and service normalisation environment that is extensible to new applications and enables rapid integration with other open platforms. You can use SMx to connect the AXOS platform to existing operational systems or fill in the missing pieces of your SDN orchestration platform.

