

FAST FACTS Calix Management System

UNIFIED ACCESS MANAGEMENT

As communications service providers (CSPs) launch new advanced services and transform their networks from ATM and copper to Ethernet and fiber, they face complex new management challenges. As these dramatic changes are pushing the limits of their operational infrastructures, heightened competition and regulatory change are forcing CSPs to operate more efficiently and bring new products to market faster. The Calix Management System (CMS) directly addresses these challenges, providing the tools to rapidly create and deliver high margin broadband service bundles while automating operational tasks, simplifying provisioning, and bringing greater efficiency to the Calix Unified Access portfolio.*

CMS PROFILE

Hundreds of CSPs globally manage their networks with CMS.

- Uniformly provisions and manages broadband services across both fiber and copper access networks.
- Scales from hundreds to millions of subscribers.
- Provisions both commercial business services and residential triple-play bundles.
- Integrates with 20 leading OSS applications.

MONETIZES BROADBAND SERVICES

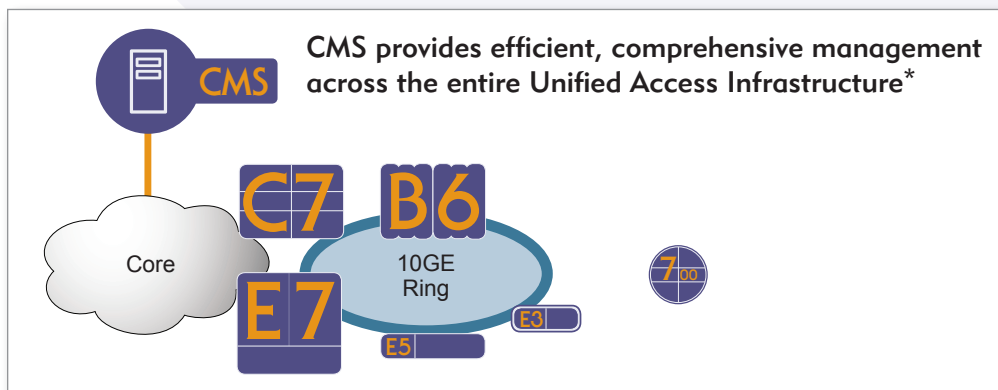
CMS provides a rich suite of GUI driven utilities that allow bundling of services to broadband subscribers. CSPs can create tiered offerings using CMS service templates. Customer service representatives can use these templates to quickly pre-provision new subscribers uniformly over copper or fiber.

AUTOMATES OPERATIONAL TASKS

CMS automates common tasks that must be performed on a routine basis, including firmware upgrades, network configuration backups, and inventory and performance data collection. CMS also offers Metro Ethernet provisioning wizards to automate and simplify provisioning of Ethernet virtual connections (EVCs), and monitors SLAs per EVC.

INTEGRATES LOGGING AND REPORTING

CMS offers a variety of inventory and performance reporting tools. CMS collects inventory information on every device in the network, allowing capacity planning, resource optimization, and broadband expansion. CMS also logs performance data per interface, node, and region – allowing business planners to see trends and proactively allot capacity for new service offerings.



*The B6 ESAN is currently being integrated into CMS

CMS – A CORNERSTONE OF CALIX ADVANTAGE

CMS is bundled into Calix Advantage, a comprehensive program that offers one low monthly fee that includes complete unified management across the Calix Unified Access portfolio,* access to software upgrades, and world-class customer support. This mitigates escalating OPEX costs by eliminating the concept of right-to-use (RTU) fees per subscriber and service. Included in this one low fee are:

- Unlimited user licenses and login capabilities for all CMS users
- 7x24 technical support for the entire Calix network and infrastructure
- New CMS software releases and feature enhancements
- Unlimited access to new firmware upgrades and features for B-Series, C-Series, E-Series, and P-Series
- 5-year warranty for all Calix products deployed in the service infrastructure (1 year on P-Series)

CMS INCREASES SERVICE VELOCITY AND REVENUE GENERATION

Video Service Management. CMS employs a suite of video management tools that enable the rapid deployment of IPTV and RF overlay services. Video services are activated on fiber and copper interfaces with the click of a button. CMS also provides a set of service assurance tools that enable the provider to quickly isolate video delivery issues to the subscriber interface or the network. IPTV reports can be used to determine optimal channel lineups or to define local ad insertion packages.

MEF Service Management. CMS delivers Ethernet Private and Virtual Private services per the MEF standard (9, 14) specifications. CMS enables service providers to create EVCs visually to deploy E-Line, E-LAN, and E-Tree services. Service creation is as simple as point-and-click to add a UNI to the EVC with the quality of service requested. Once the service is delivered, CMS provides the data collection and reporting needed to meet business SLAs.

Fiber Access Service Management. CMS delivers a broad suite of service delivery and assurance tools that focus on fiber access. These tools work with the 700GX/GE family of GPON and Active Ethernet capable ONTs across SFU, SBU, and MDU applications. CMS activates residential and business video, data, and voice services from a single screen.

Mobile Backhaul Service Management. CMS provisions the 700GX/GE ONTs to carry traffic from cellular base stations over Ethernet or legacy T1s. Not only can Ethernet and T1 services be configured from the same user interface, but migrating from T1 to Ethernet can be as simple as activating the Ethernet interface and de-activating the T1 interface with a click of a button. For services delivered over T1, CMS provides the interface for initiating loopbacks. In addition, CMS provides Ethernet and T1 real-time performance reporting for diagnosing problems and ensuring SLA compliance.

CMS in the Back Office. The CMS architecture is highly scalable and standards-based, allowing integration with industry leading service activation and assurance OSS platforms. Integration with back office systems maximizes operational efficiency by minimizing swivel chair operations and the inherent errors these operations introduce.

UNIFIED MANAGEMENT – A STRATEGIC IMPERATIVE

Today's CSPs face a myriad of complex network, operations, and business challenges. Unified management enables CSPs to rapidly react to these changes, leveraging the full resources of the Calix Unified Access portfolio to improve operational efficiency and bring new advanced services to market.*

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