

# CatenaView™ EMS

## Software for all Broadband Access Products



**CatenaView EMS is a carrier-class Element Management System (EMS)** for managing the voice, data, and video services of Ciena's CNX-5™ Broadband DSL System and CNX-5Plus™ Modular Broadband Loop Carrier from a central Network Operations Center (NOC). Central operation greatly simplifies network management and reduces capital

and operational costs. Remote service activation enables service providers to respond quickly to demands for broadband services.



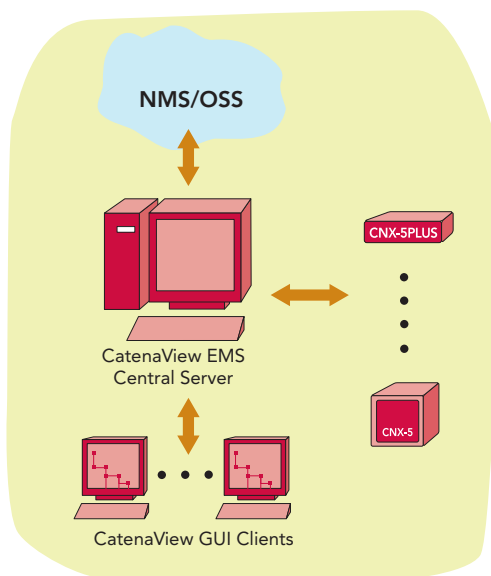
The CatenaView EMS GUI modules are accessible from the main tool bar

CatenaView EMS provides full Fault, Configuration, Accounting, Performance, Security (FCAPS) and Operation, Administration, Maintenance, and Provisioning (OAM&P) functionality. An easy-to-use Graphical User Interface (GUI) client provides access to template-based bulk provisioning or pre-provisioning of components to enable rapid service activation without the need for additional hardware or costly field service calls.

CatenaView EMS architecture scales easily to tens of thousands of managed lines and features multi-threading to provide concurrent processing of simultaneous network events. For small networks, the CatenaView EMS can be deployed

in a standalone configuration with all components installed on a single platform. For larger or rapidly growing networks, the CatenaView EMS can be deployed with the GUI clients on separate PC or Sun™ workstations.

CatenaView EMS offers unified network management by integrating smoothly with other Network Management Systems (NMSs) and Operations Support Systems (OSSs). Automated, flow-through provisioning, alarm monitoring, and performance monitoring is enabled through CatenaView CORBA or TL1 northbound gateways. The gateways can reside on the CatenaView Central Server or on a separate Sun workstation.



Distributed configuration for large or growing networks

### Features & Benefits

- **Full FCAPS and OAM&P Functionality**—comprehensive fault, configuration, performance, maintenance and user account management, plus network inventory searches
- **Scalable Architecture**—effectively manage multiple elements and thousands of lines. Flexible configuration options suitable for any size network.
- **OSS and NMS Integration**—consolidation of broadband services management for easy integration via CORBA or TL1
- **Remote Service Activation**—rapidly provision services remotely from a central NOC through templates
- **Unified Management of Broadband Access Systems**—comprehensive management of CNX-5 Broadband DSL System and CNX-5Plus