

NetComplete® EtherASSURE™ Element Management System (EMS)

For network interface devices including the JMEP SFProbe®

The NetComplete EtherASSURE EMS provides highly-scalable capabilities for state-of-the-art PacketPortal® JMEP SFProbes and QT-600 test probes.

EtherASSURE EMS provides the fault, configuration, administration, inventory, performance, and security functions needed to enable a truly effective EMS. Used with the comprehensive suite of EtherASSURE performance monitoring and test and turn-up applications, it enables advanced testing and troubleshooting and provides enhanced monitoring capabilities for service level agreements (SLAs).

The EMS enables remotely configuring, feature licensing, and maintaining QT-600 test probes and JMEP SFProbes. It features a Northbound interface for fault management, and includes circuit import for performance monitoring configuration, enabling easy integration into OSSs to efficiently map into the operator's business practices.

EtherASSURE EMS also provides mediation functions for flexible and scalable deployment models as well as secure communication, synchronization, and PM collection from JDSU elements.

Key Benefits

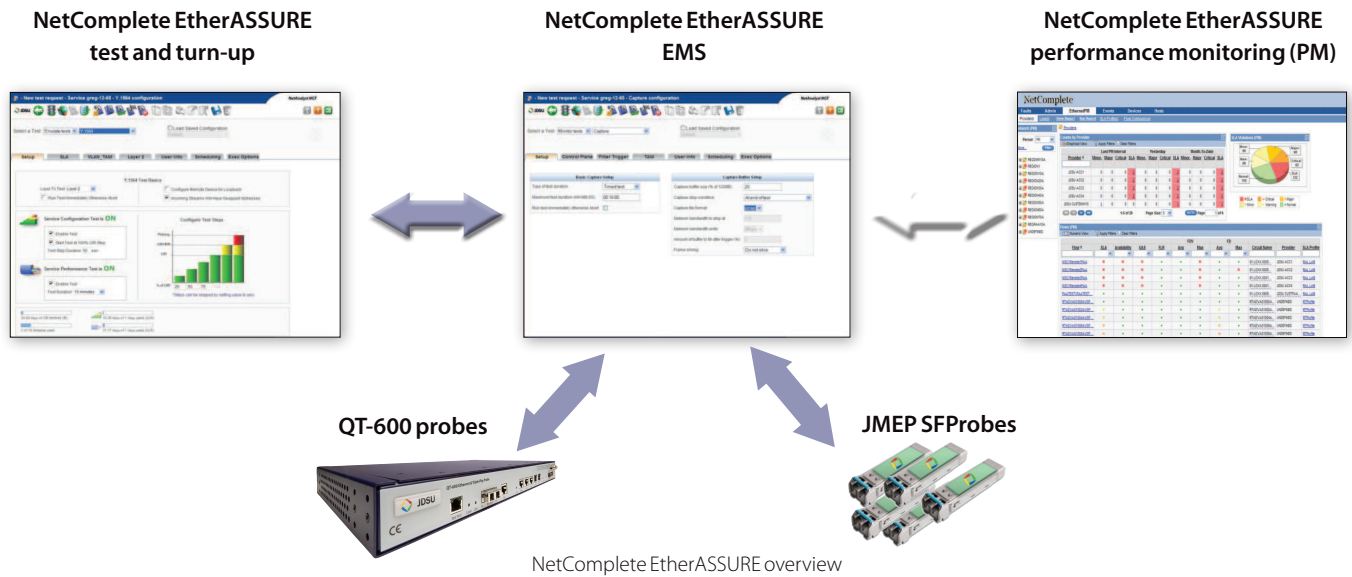
- Scalable to control, configure, and manage QT-600 test probes and JMEP SFProbes
- Integrated with the full suite of EtherASSURE performance monitoring and test and turn-up applications

Key Features

- Intuitive web interface lets multiple users remotely access probes
- Client-server architecture manages up to 50,000 elements
- Flexible interfaces for automated device and circuit configuration
- Supports SNMP Northbound interfaces to integrate with other operating support systems (OSS)

Applications

- Assurance for Ethernet mobile backhaul and business services
- Service activation testing for 3G, 4G, and LTE small cells
- SLA reporting with end-to-end performance monitoring
- Throughput monitoring for network optimization
- Remote test and troubleshooting support



Specifications

Product Supported
JMEP SFProbes
QT-600-2/10 test probes
General
Intuitive web client
Centralized element
Centralized remote configuration of JMEP for PM and test parameters
Efficient feature enablement through license management of JMEP
Circuit import for JMEP and PM flow configuration
Robust time synchronization support via NTP, 1588v2, PPS
Secure data communication with JMEP for management and PM collection
Scalable mediation function for efficient deployment
Support geographically diverse deployment of mediation functions for network deployment efficiency
Functionality
Discovery of JDSU network elements
Performance data retrieval
Event and alarm collection and aggregation
Inventory reports
Storage of equipment configuration in a database
Centralized software upgrades
Client-Server architecture
A single NetComplete EtherASSURE EMS instance can manage different devices in different networks
Supports multiple-user operation using a single server

Security
Customizable user groups with role-to-action mapping
Robust security authentication and authorization
Password security and password change enforcement
Secure communication with the OSS
Protocols
SNMPv2 for integration with third-party OSS
JDSU SOCP for communicating with JMEP SFProbes
Operating Systems
RedHat® Linux/x86
Solaris 10



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