

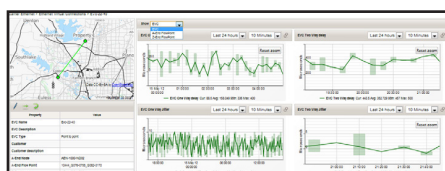


shaping tomorrow with you

# NetOmnia™ Ethernet Assurance

## Next-Generation SLA Management for Ethernet Networks

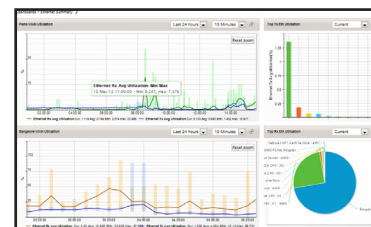
Ethernet Service Summary Views



Configurable SLA Monitoring, Reporting and Notification

Name ▾	Service type	Conformance interval	Recurrence
<a href="#">Ethernet Gold</a>	EVC	Daily	Daily
<a href="#">Ethernet Platinum</a>	EVC	Monthly	Daily
<a href="#">Ethernet Silver</a>	EVC	Daily	Daily

Configurable Ethernet Dashboards



### Overview

NetOmnia™ Ethernet Assurance is a standards-compliant solution that provides unprecedented visualization and SLA monitoring of Ethernet services to ensure and improve customer experience.

With off-the-shelf, multivendor support, NetOmnia Ethernet Assurance can be deployed and configured quickly to discover Ethernet services and begin monitoring and reporting on the health and status of customer services.

Ethernet Assurance provides configurable monitoring and visualization of service quality metrics such as availability, delay, jitter and frame loss as well as the ability to create and monitor custom-defined metrics. SLA reports can be delivered to customers on a scheduled basis to provide a differentiated service to improve customer retention and increase sales.

### Business Value

- **Improves customer experience** through guaranteed network performance and verifiable SLA conformance reporting
- **Reduces operations costs** through decreased administration and faster time to market support of new vendors and services
- **Increases revenue** through improved SLA compliance and reduced customer churn

### Differentiators

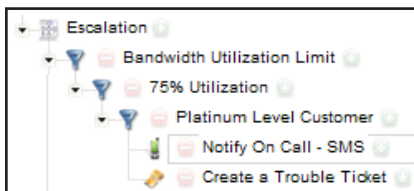
- Standards compliant  
ITU-T Y.1731  
IEEE 802.1ag  
MEF
- Off-the-shelf multivendor support
- End-to-end service maps
- Easier SLA conformance administration and reporting
- Service discovery  
Logical interfaces  
EVCs  
VLANs
- Configurable KPIs & KQIs
- Customer portals
- Configurable dashboards
- Testing and diagnostics—continuity check, loopback, etc.

# Configurable End-to-End Ethernet Services Assurance

## Next-Generation Visualization to Improve Network Performance

### NetOmnia Cable Ethernet advantages

- Discovery of end-to-end Ethernet services
- Multivendor Quality of Service (QoS) management and visualization of Ethernet services
- Off-the-shelf support for thousands of metrics and performance reports, KPIs and KQIs
- Customer portals for service transparency and improved customer experience
- SLA management—conformance monitoring and reporting
- Service quality measurements—availability, frame loss/delay, frame delay variation/jitter, frame loss ratio
- Service and customer impact can be automatically prioritized and have automations and notifications invoked to support SLA adherence
- Performance and alarm events related in real-time to customers
- Auto-generated, dynamic, interactive network maps
- Configurable dashboards
- Scalable to support any size network

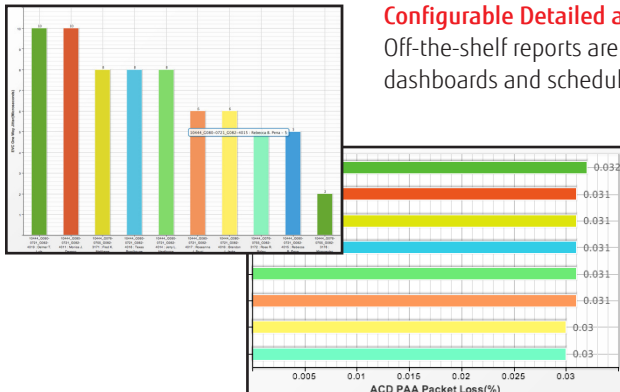
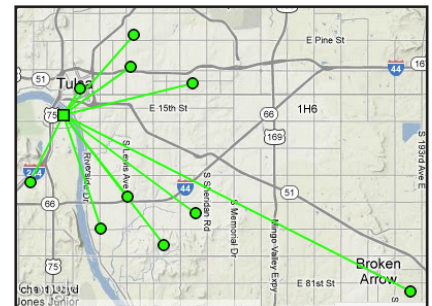


### Configurable SLAs

NetOmnia SLA Manager allows administrators to easily create, track and report on contractual SLAs.

### Layer 2 Discovery and Topology Mapping

NetOmnia discovers EVC and VLANs and dynamically maps these for an interactive user experience, updating alarm status and performance threshold crossings with drill-down, zoom and pan capabilities.



### Configurable Detailed and Top-N Reports

Off-the-shelf reports are easily configurable; can be added to dashboards and scheduled for generation and delivery.

# Comprehensive Multivendor Performance Assurance and SLA Management

NetOmnia is the next generation in service assurance and service quality management. This modular software suite can dramatically improve network performance, Service-Level Agreement (SLA) conformance, and customer experience. NetOmnia offers a single solution for managing any infrastructure: network, systems, applications, facilities and security.

## Low Maintenance, Dynamic, Technology-Independent

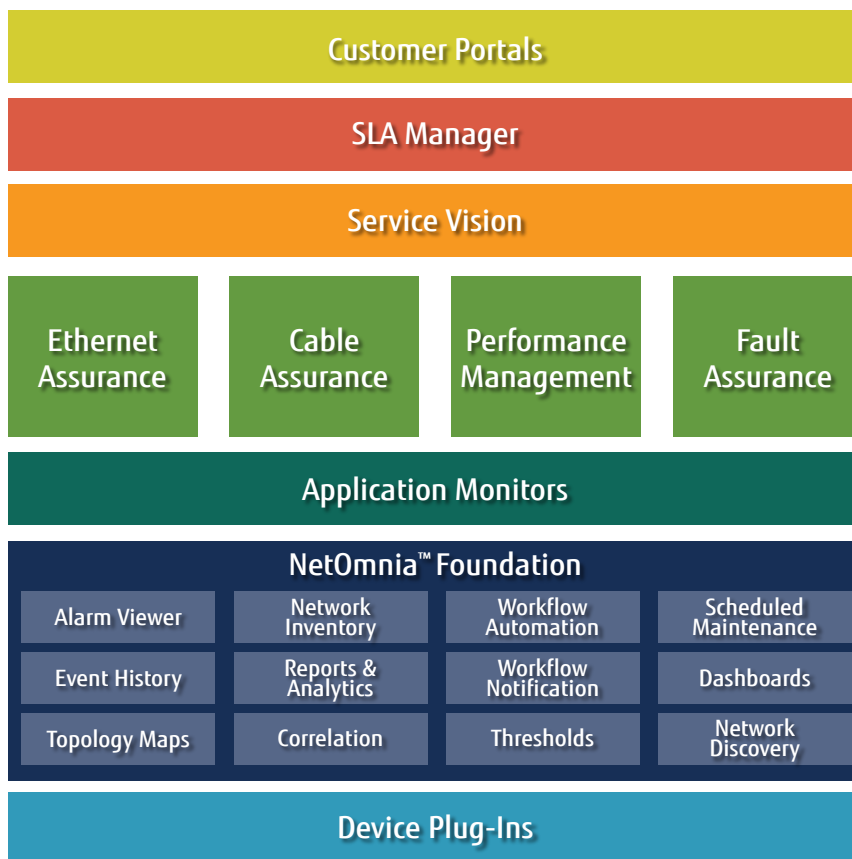
NetOmnia deploys rapidly and can be maintained and extended without programming or advanced training. The system also offers unprecedented scalability to manage any size network. End-to-end services can be automatically discovered and kept current to monitor Key Performance Indicators (KPIs) and automate notifications based on configurable thresholds. Network operations technicians can configure a custom service assurance solution to view, monitor and report on network health and performance in real time.

With NetOmnia, service providers experience:

- Dramatically lower solution deployment times
- Reduced ongoing configuration, customization and maintenance workload
- Simplified advanced configuration via unique point-and-click GUI interface
- Easy modification of system rules on-the-fly
- Increased productivity with minimal training
- Standard, no-maintenance Web browser access

## NetOmnia Modules

- **SLA Manager** – SLA creation based on service quality and availability; conformance period; and warning and violation notifications
- **Service Vision** – Self-maintaining auto-discovery and mapping of network services topology from a variety of sources, regardless of vendor
- **Ethernet Assurance** – Monitoring and visualization of quality metrics such as availability, delay, jitter, frame loss, and custom-defined metrics
- **Cable Assurance** – Comprehensive monitoring of the cable broadband infrastructure from CMTS to cable modem/MTA with core-to-customer passive network mapping and high-speed polling to identify issues in seconds
- **Performance Management** – Real time configuration of polling, thresholds, automations and notifications to meet the changing needs of today's dynamic networks
- **Fault Management** – Alarm monitoring of every device in the network, regardless of vendor, technology or protocol



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