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shaping tomorrow with you

NetOmnia™ Cable Assurance Broadband Monitoring for Cable MSOs
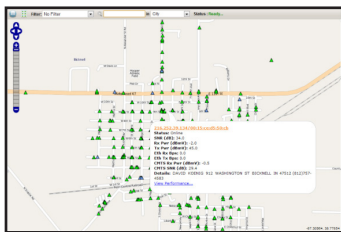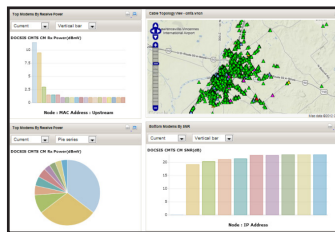
Next-Generation Performance Monitoring for Cable Networks
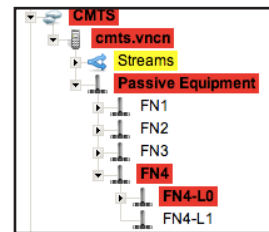
Auto-generated Customer Maps with Mouse-over for Device Health

Real-time Service Quality Integrated with Subscriber Information

Configurable Dashboards

Passive Network Correlation

Overview

NetOmnia™ Cable Assurance provides comprehensive monitoring of the cable broadband infrastructure from CMTS to cable modem/MTA with mapping of the core-to-customer passive network and high-speed polling to identify network issues in seconds.

With Cable Assurance, service providers dramatically improve network performance and customer experience with a solution that provides unprecedented network visualization and customer impact reports.

Cable Assurance improves network performance by allowing users to drill down from reports into network and neighborhood maps to quickly see all issues in a particular location to identify if a customer issue is unique or affecting a larger area. Integration with subscriber data and on-demand customer diagnostics also improves network performance and customer experience to reduce churn and operations costs.

Business Value

- **Improves customer experience** by identifying outages in seconds to speed repairs
- **Reduces operations costs** through decreased troubleshooting, truck rolls and administration
- **Increases revenue** with the ability to roll out new services quicker

Differentiators

- DOCSIS 3.0 support

- Improves network reliability and service quality for high-speed data and VoIP services

- Monitors key performance metrics to improve customer experience

- Passive cable infrastructure mapping and correlation identifies outages in seconds

- Customer and service-centric visualization provides immediate notification of affected customers
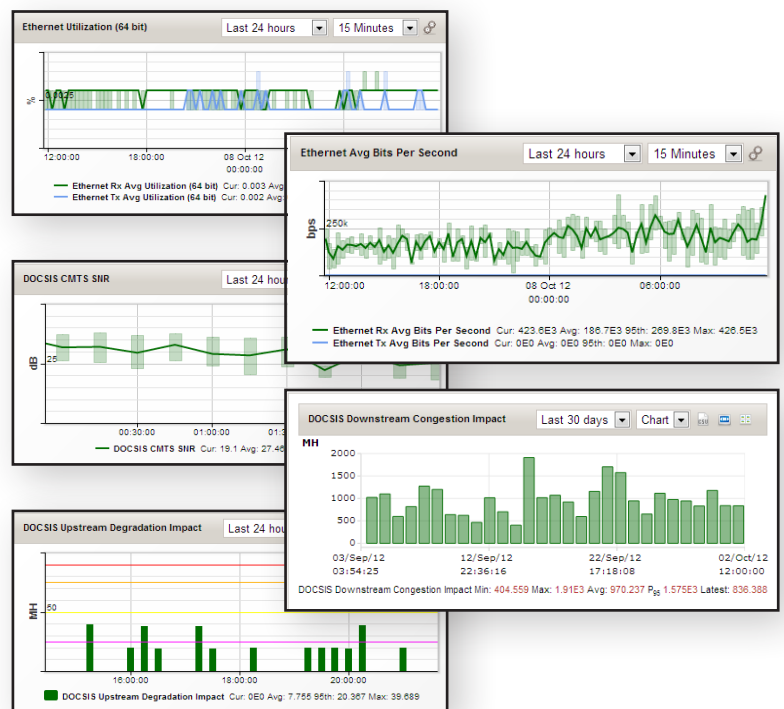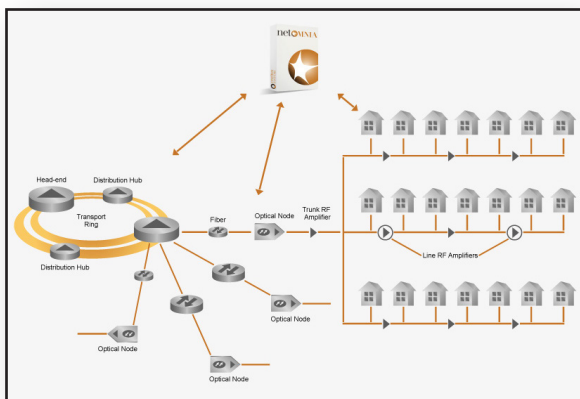
- Configurable dashboards

- Seamlessly integrates with the NetOmnia suite of solutions

- Scalable to any size network

Cable Network Monitoring and Troubleshooting Made Easy

NetOmnia Cable Assurance Advantages

- DOCSIS 3.0 support
- Monitors every cable device in the network, regardless of vendor
- Passive network mapping and high-speed polling enable NetOmnia to diagnose outages in as little as 15 seconds
- Drill down to map views of subscriber neighborhood, performance metrics and alarms to quickly troubleshoot issues
- Congestion/degradation metrics to prioritize potential issues based on impacted customer experience
- Interactive device and stream performance views show receive power, transmit power, Signal-to-Noise Ratio (SNR), Ethernet transmit/receive rates and more
- Integrated with subscriber data from billing or provisioning systems for consolidated views
- Configurable performance metrics and thresholds
- Event enrichment removes the need for swivel-chair lookups to troubleshoot issues and determine affected customers
- Integrated reporting engine provides configurable detailed, top-N and summary reports
- Auto-generated, dynamic, interactive network maps require no administration

Real-time Performance Charts including Bandwidth
Utilization, Congestion, Worst Offenders

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.

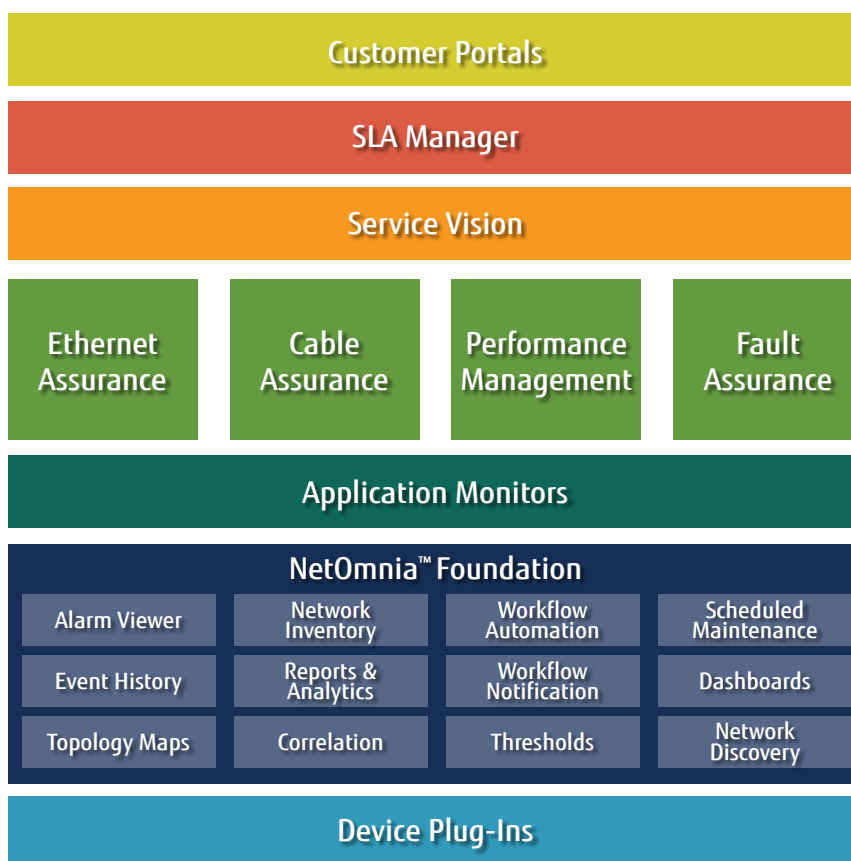## Low Maintenance, Dynamic, Technology-Independent

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

Customer Portals

SLA Manager

Service Vision

| Ethernet Assurance | Cable Assurance | Performance Management | Fault Assurance |

Application Monitors

NetOmnia™ Foundation

Alarm Viewer	Network Inventory	Workflow Automation	Scheduled Maintenance
Event History	Reports & Analytics	Workflow Notification	Dashboards
Topology Maps	Correlation	Thresholds	Network Discovery

Device Plug-Ins

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