



## NetQoS<sup>®</sup> NetVoyant

### Gain Insight into the Source of Device Performance Problems

The network's device infrastructure is responsible for ensuring proper delivery of applications to end users. A Performance-First approach to managing application delivery requires device performance metrics to ensure end users receive optimal service from the network infrastructure.

NetQoS NetVoyant, the device performance management module of the NetQoS Performance Center, provides SNMP-based performance metrics for managing network infrastructure, devices, and applications. These metrics include device status and utilization coupled with application-aware metrics such as jitter, latency, QoS policy utilization, and application discovery for proving the performance of the network infrastructure. NetVoyant's application-aware capabilities include support for Cisco IOS<sup>®</sup> IP Service Level Agreement (IP SLA), Cisco IOS Class Based QoS (CBQoS), and Cisco IOS Network Based Application Recognition (NBAR).

NetVoyant reports allow management, engineering, and operations to provide consistent application service delivery and mitigate the risks of planned or unplanned infrastructure changes. NetVoyant maps present operations with a birds-eye-view of the network and immediately alerts when device service degrades beyond intelligent baselines. Performance scorecards, QoS visibility, and capacity planning reports allow network managers and engineers to understand how the infrastructure is being used alongside trends and projections to plan for future growth.

### How Will NetQoS NetVoyant Help You?

#### Make informed infrastructure investments by understanding the cause of device performance issues

- « Measure traditional application performance as well as VoIP and video quality of experience with Cisco IP SLA
- « Track device availability and utilization against service level goals
- « Validate service provider service level agreements
- « View the status and utilization of all network and server components in real time

#### Reduce MTTR with automatic alerting and Top-N reporting

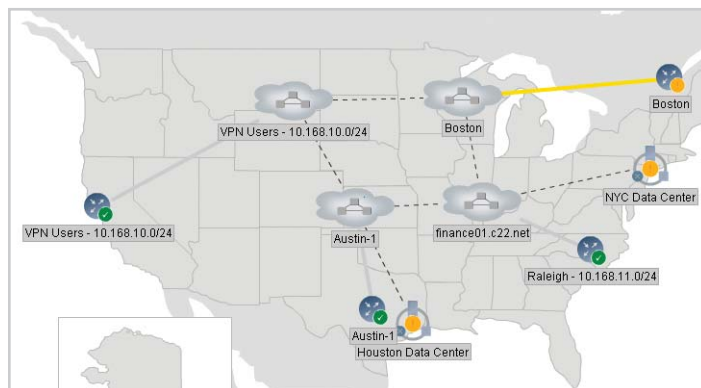
- « Receive immediate notification of device problems through network maps, email, and traps
- « Identify critical infrastructure problems through Top-N exception reports
- « Troubleshoot connectivity issues with ping, trace route, and MIB browser tools

#### Improve IT staff efficiency in managing device performance and avoiding costly outages

- « Graphically compare current device utilization against normal baselines to detect unusual behavior
- « Use fixed or rolling baselines to identify trends over various time periods
- « View historical device utilization reports that include basic trend lines to help predict future capacity requirements

“The NetVoyant approach to network monitoring and control helps us understand what is really happening in our customers’ networks so we can ensure we are providing customers with the best service possible.”

- iLAN Systems

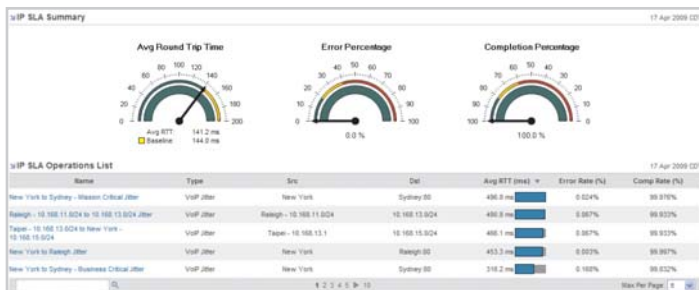


NetQoS NetVoyant presents NOC staff with at-a-glance views of infrastructure connectivity and potential application delivery bottlenecks.



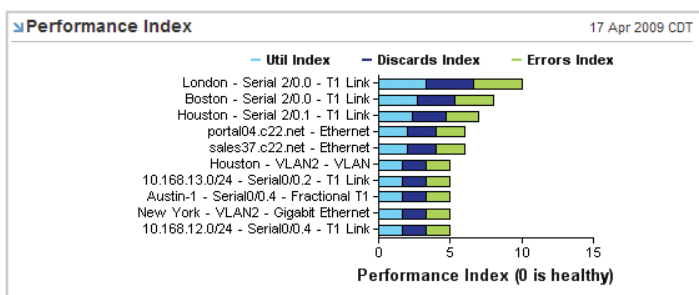
## A Look at NetVoyant

### Qualify the health of network paths with IP SLA



NetVoyant provides a centralized, easy way to configure and report on IP SLA. A simple wizard allows for quick setup and deployment within the same console that reports detailed metrics for any IP SLA-capable Cisco device.

### Reduce MTTR with Top-N Reporting



NetVoyant displays the performance and utilization of your enterprise network infrastructure, bubbling the worst performing components to the top of lists for easy identification.

### Ensure Consistent Application Delivery with CBQoS

| Class   | Pre-98% | Post-98% | Pre-Volume | Post-Volume | Pre-Rate    | Post-Rate   | Pre-Packets | Post-Packets |
|---|---------|----------|------------|-------------|-------------|-------------|-------------|--------------|
| Best Time on Boston - Serial 2/0.0 - T1 Link, In Direction                      | 98.96%  | 98.96%   | 19.33 GB   | 19.33 GB    | 1.79 Mbps   | 1.79 Mbps   | 2.00 M      | 2.00 M       |
| Mission Critical on Boston - Serial 2/0.0 - T1 Link, In Direction               | 100.00% | 91.72%   | 6.39 GB    | 5.30 GB     | 609.95 Kbps | 493.43 Kbps | 8.98 M      | 5.75 M       |
| Best Time on Raleigh - 10.168.13.0/24 - VLAN2 - VLAN, In Direction              | 81.71%  | 81.71%   | 0 Bytes    | 0 Bytes     | 0 bps       | 0 bps       | 29.93 M     | 29.93 M      |
| Mission Critical on Raleigh - 10.168.13.0/24 - Fractional T1 Link, In Direction | 79.04%  | 77.92%   | 4.22 GB    | 4.21 GB     | 390.89 Kbps | 390.12 Kbps | 3.98 M      | 3.98 M       |
| Business Critical on Raleigh Data Center - Serial0/0.3 - T1 Link, Out Direction | 77.79%  | 77.64%   | 12.24 GB   | 12.23 GB    | 1.13 Mbps   | 1.13 Mbps   | 11.78 M     | 11.78 M      |

NetVoyant provides Pre-and-Post CBQoS measurements to help manage policies.

## NetQoS NetVoyant Features

### Device Utilization and Availability

- Track network infrastructure availability and utilization
- Examine key performance indicators in the device infrastructure to ensure current availability and performance are within acceptable limits
- Track device performance against provider service level agreements

### Application-aware Device Performance

- Deploy, collect, and report Cisco IP SLA data for MOS, jitter, and latency statistics
- Visualize QoS policy utilization with Cisco CBQoS
- Identify layer 7 application characteristics with Cisco NBAR

### Capacity Planning

- Report current utilization against intelligent baselines
- Project future network growth with capacity planning trends
- Receive enterprise device status with Top-N reports and topology maps

### Real-time Alerting

- Troubleshoot and diagnose device issues with alarms from performance baselines
- Aggregate alerts into a single event console
- Display alert notifications on NOC-ready device topology maps
- NetQoS anomaly detection capabilities analyze device metrics to profile your network and warn of any changes in behavior

### Custom Reporting

- Report on any SNMP-capable device in the network
- Customize reports by aggregating metrics across multiple data sources
- Build permission sets and groups to segment data across multiple IT organizations



**Request an evaluation of the NetQoS  
Performance Center today at  
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#### NetQoS, Inc.

With customer satisfaction ratings among the highest in the industry, NetQoS is the fastest-growing network performance management company. From financial services to energy to technology to government, over 1000 of the world's largest organizations depend on NetQoS products and services to manage their networks for optimal application performance.

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