



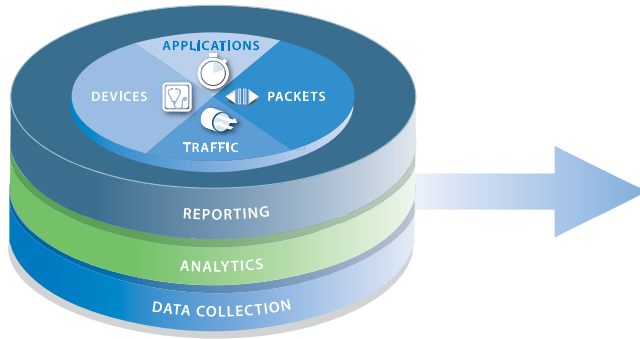
NetQoS® Performance Center

The Complete Network Performance Management Platform

Managing Application Delivery from a Single Console

A Performance-First approach to managing your network for application delivery requires an understanding of the relationship among device infrastructure, network traffic, and application performance.

From a Web-based reporting dashboard, network managers, engineers, and operations personnel can access the right information at the right time. From high-level reports proving application performance to packet-by-packet detail for solving problems faster, NetQoS Performance Center operational workflows provide IT staff with a complete application delivery management system.



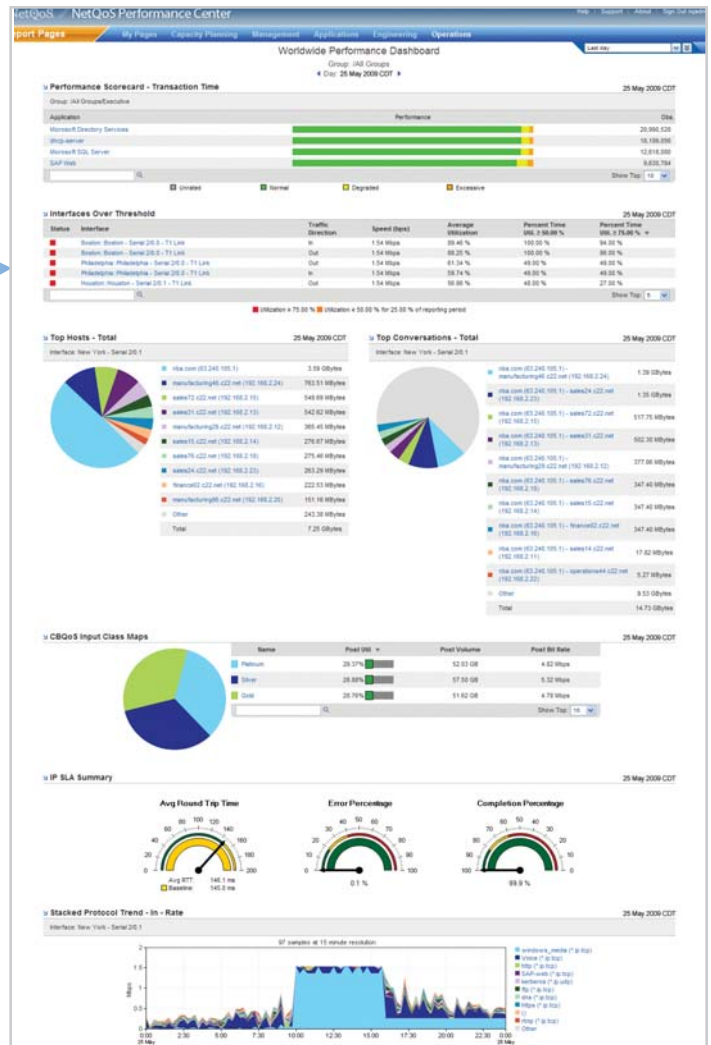
As a platform for integration across multiple data sources, the NetQoS Performance Center allows IT staff to make more informed infrastructure investments, solve problems faster, and pinpoint performance bottlenecks.

With the industry's most comprehensive data collection, analytics, and reporting capabilities, the NetQoS Performance Center provides insight into a wide array of application delivery detail. The NetQoS Performance Center leverages technologies from existing network infrastructure, such as Cisco® IOS® NetFlow, IPFIX, and Cisco NAM, avoiding deployment of any monitoring probes or agents.

To transform data into actionable information, the NetQoS Performance Center analyzes every data packet with intelligent baselines, thresholds, trending, and anomaly detection algorithms, enabling IT staff to quickly isolate performance bottlenecks, plan for the future, and ensure application delivery.

The NetQoS Performance Center is deployed across the world's largest networks, providing a holistic view of application delivery from the integrated NetQoS product modules:

- » NetQoS SuperAgent® for application response times monitoring
- » NetQoS GigaStor® for long-term packet capture and analysis
- » NetQoS ReporterAnalyzer™ for traffic analysis
- » NetQoS NetVoyant® for device performance management
- » NetQoS® Unified Communications Monitor for VoIP and video quality of experience monitoring
- » NetQoS® Trade Monitor for FIX application latency management

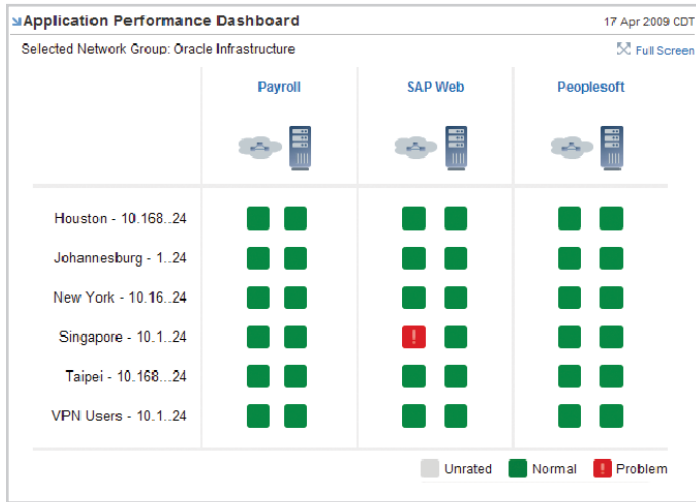


Solve Problems Faster

A large energy company is receiving complaints from staff in Singapore regarding poor application performance when accessing the SAP application hosted in the Houston data center. IT executives are prepared to upgrade the circuit between the two sites at a cost of \$120,000. Network engineering has recently deployed the NetQoS Performance Center to help resolve the issue.

Here's how the NetQoS Performance Center helped:

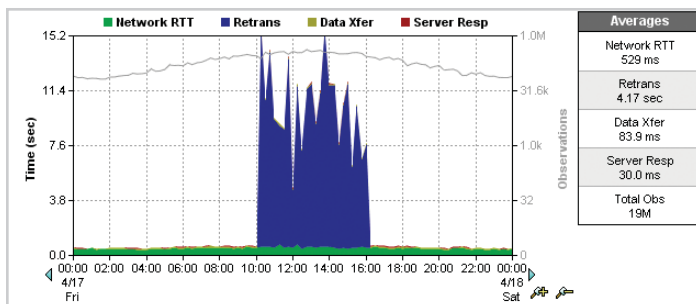
1) The NetQoS Performance Center dashboard alerted the operations team to the performance problem with the Singapore site:



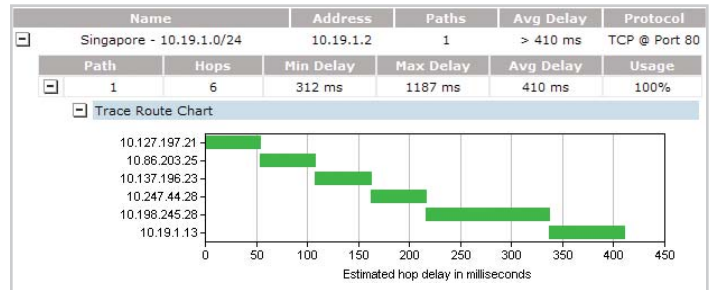
2) The NetQoS Performance Center validated poor performance for the Singapore site and proved the server performance for all SAP servers was normal:



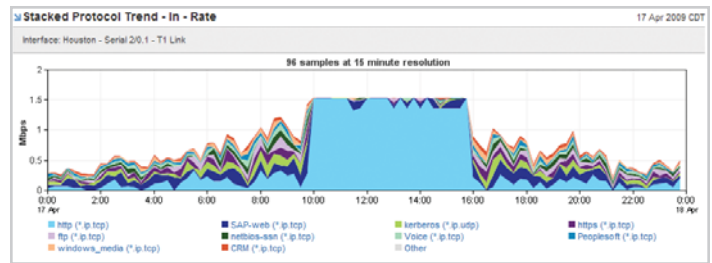
3) The engineering team drilled into the NetQoS Performance Center reports for the Singapore site to verify a large spike in Retransmission Delay during business hours:



4) An automatic investigation was initiated for the Singapore site during the performance degradation, gathering trace route detail and pinpointing a high latency on the 10.198.245.28 network hop:



5) Drilling into the WAN circuits on the hop indicates full saturation from HTTP (web) traffic during business hours:



6) With one click, the IT staff retrieves a conversation mix on the circuit pinpointing multiple users in Singapore accessing the internet proxy server in the United States:



Resolution:

Users in Singapore had re-configured their web browser to the web proxy server in the United States to receive faster access to the internet. The result was proxy server traffic saturating the link between Singapore and Houston during business hours. Network engineering immediately implements a policy to drop all proxy server traffic across the link, restoring normal network performance for the Singapore site. The \$120,000 bandwidth upgrade was completely avoided.

“The ability to go to one place—the NetQoS Performance Center—to obtain all our network performance data makes it that much easier to resolve network performance issues.”

- ESCO Corporation



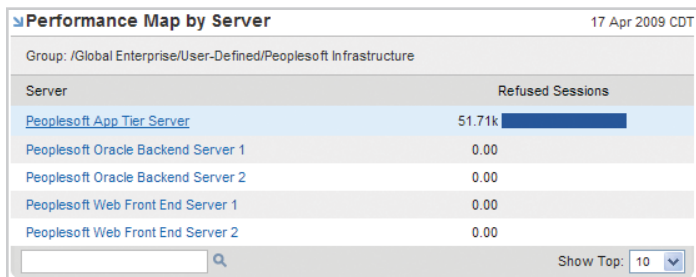
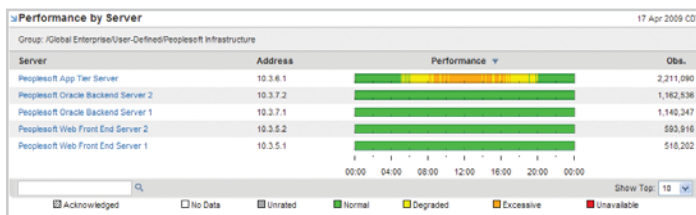
The Right Information for the Right Person

When a global pharmaceutical company wanted to roll-out a PeopleSoft application to new sites, the application group needed to assess infrastructure capacity and make sure it could support a likely increase in usage. They expected a 25 percent increase in use and recommended server and WAN upgrades to support the additional users. Estimated cost: \$175,000.

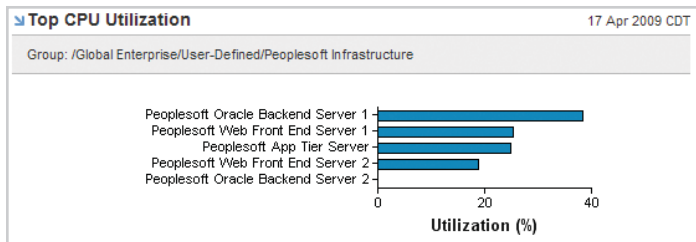
Before seeking approval for the expenditure, they used NetQoS Performance Center to analyze the performance of the existing application servers and make sure they were already operating close to capacity.

Here's how the NetQoS Performance Center helped:

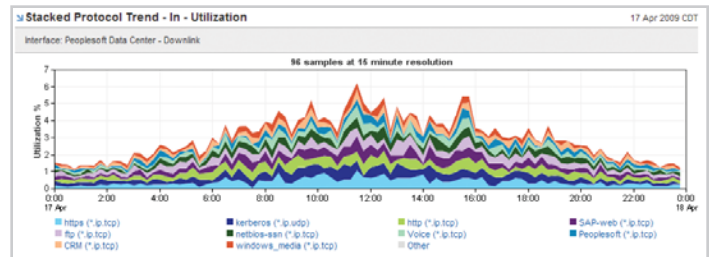
1) The Performance by Server view indicates performance is normal for most of the PeopleSoft infrastructure but indicating a problem with the Application Tier Server:



2) With access to device-level detail, the Top CPU utilization view shows how each PeopleSoft server's CPU cycles are being consumed. All servers are showing low levels of consumption with the exception of the Application Tier:



3) The Stacked Protocol Trend view verifies WAN traffic levels and bandwidth consumption are well below capacity.



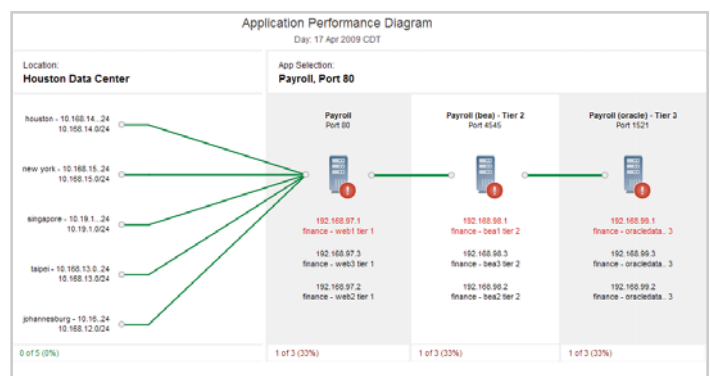
Resolution:

Based on this data, the IT staff determined that the application-tier server was the only component that needed an upgrade. The WAN and additional server upgrades were avoided, saving nearly \$175,000.

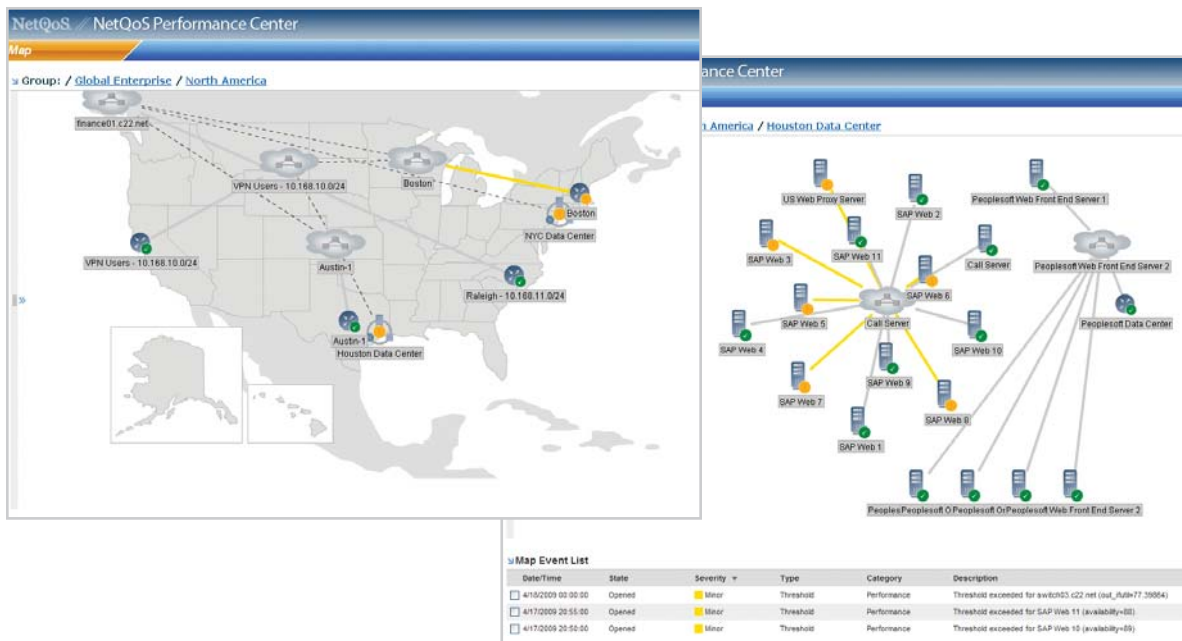
“NetQoS scales to global WANs and delivers the detailed data needed for efficient troubleshooting and capacity planning.”

- Qualcomm Incorporated

The NetQoS Performance Center includes dashboard views that can quickly pinpoint where application delivery problems exist, dramatically improving mean time to repair and problem management.



NetQoS Application Performance Diagrams graphically display the relationships among networks, applications, and server tiers, highlighting which components are experiencing performance degradations and providing click-through capabilities to guide workflow.



The NetQoS Performance Center maps show performance and traditional availability events all in one screen. The maps give users a real-time perspective on the health of the entire IT infrastructure and its effect on application performance. Topology displays and customizable grouping of devices provide context and simple drill-down in helping establish the impact and severity of the events."

Request an evaluation of the NetQoS Performance Center today at www.netqos.com.

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.

NetQoS Global Headquarters

5001 Plaza On The Lake
 Austin, TX, 78746 United States
 Phone: 512.407.9443
 Toll-Free: 877.835.9575
 Fax: 512.407.8629

NetQoS EMEA

1650 Arlington Business Park
 Theale Reading, RG7 4SA
 United Kingdom
 Phone: + 44 (0) 118 929 8032
 Fax: + 44 (0) 118 929 8033

NetQoS APAC

NetQoS Singapore Representative Office
 Level 21, Centennial Tower
 3 Temasek Ave., Singapore 039190
 Phone: + 65 6549 7476
 Fax: + 65 6549 7001

Website: www.netqos.com
 E-mail: sales@netqos.com