

SOLUTION BRIEF: Netscout® Systems and Riverbed®

A Joint Solution by Riverbed and



The combined Riverbed - NetScout solution provides a market-leading product set for application acceleration and network and application performance analysis. The partnership helps enterprises optimize network and application performance by allowing them to accelerate their applications over WANs without any loss of visibility or performance.

Customer Snapshot

A global life sciences company that had been using NetScout for application visibility had a need to move from its distributed Microsoft Exchange implementation to a centralized one. Realizing that remote workers would suffer a degradation in performance, the company chose to implement WAN optimization and application acceleration technology in order to offset these expected performance issues. This customer chose to implement Riverbed's Steelhead appliances not only because of the solution's superior application acceleration technology, but because of Riverbed's integration with NetScout's nGenius Performance Manager. This integration will allow the customer to not only maintain network and application performance visibility, but also assess the success of both the Microsoft Exchange migration and Riverbed deployment.



WAN Optimization - Riverbed RiOS 3.0



NetScout Systems and Riverbed Technology Partnership

NetScout and Riverbed have joined in a strategic partnership to provide customers with pioneering solutions for both network and application performance analysis as well as accelerating application delivery. NetScout is the industry's top provider of solutions for network and application performance monitoring and troubleshooting for use throughout the IT lifecycle. Riverbed is recognized as the leader in complete wide-area data services solutions to accelerate application performance. As a team, Riverbed and NetScout are able to help customers efficiently optimize application and network performance by delivering the broadest, most comprehensive and scalable solution for network and application monitoring, troubleshooting, and acceleration.

Understanding and Improving IT Performance

With enterprises relying more and more on networks and applications to both grow revenue and reduce operating expenditures, they are demanding more comprehensive visibility into performance, better ways of troubleshooting performance faults and degradations, and a wider range of methods of accelerating applications over wide area networks. Riverbed and NetScout offer a range of flexible solutions that allow enterprises to improve performance and visibility across their distributed infrastructure.

nGenius Solution Provides Application and Performance Management

Via its nGenius® Performance Management System, NetScout provides its users with a highly scalable means of proactively preventing network and application faults and degradations, and when problems do occur, of reducing mean time to repair. The combination of NetScout's nGenius Performance Manager, nGenius data sources, and Sniffer® Intelligence modules provides users with a robust mix of reactive and proactive incident and problem management capabilities. Combined with nGenius K2, capabilities are expanded to include service-aware performance management through which issues are tracked and understood in terms of their specific business impact, as reflected by the health of the network-delivered applications and services that are essential enablers for business processes. These solutions go well beyond offerings based solely on SNMP and NetFlow utilizing packet-flow data required for truly granular, in-depth analysis.

Riverbed Steelhead Products

Riverbed Steelhead® appliances and Steelhead Mobile software provide wide-area data services (WDS) to accelerate application performance across the WAN. WDS encompasses several different product categories so that whether an organization is seeking to make the most of its existing investment in WAN bandwidth by reducing traffic, or aims to accelerate the performance of its global applications by addressing latency and chatty protocols, Riverbed offers a solution that can address all aspects of the problem.

This multi-disciplined approach can accelerate application performance across the network, typically by 5 to 50 times and in some cases up to 100 times, and reduce WAN bandwidth utilization by 65% to 95%. These dramatic results allow businesses to leverage their current IT investments to offer LAN-like access to data and applications anywhere throughout the enterprise network, enabling real-time collaboration for users in branch offices and mobile workers worldwide.

An Integrated Solution for Application Acceleration with Visibility

The process of accelerating applications over the WAN and optimizing WAN performance comes with unique challenges. It is essential that WDS technology flexibly and easily integrate with network visibility solutions so that enterprises can get a complete view into how their environment is performing, where performance can be optimized, and what issues users are facing.

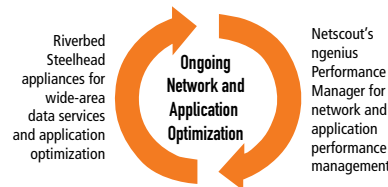
The combination of NetScout and Riverbed not only helps to optimize performance, but also provides comprehensive visibility into performance of networks and applications. NetScout's nGenius Performance Manager provides granular visibility into network performance across locations with or without Riverbed Steelhead appliances, presenting users with an innovative combination for monitoring, troubleshooting, and accelerating network and application performance. The combined solution enables users to:

- Identify WAN segments, branch offices or applications in need of acceleration and optimization
- Troubleshoot and tune the Riverbed implementation to maximize its impact and ensure the success of the deployment
- Quantify the benefits of the Riverbed deployment and justify the investment
- Perform ongoing performance analysis on accelerated and optimized networks and applications

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The combination of the nGenius Performance Management system and Riverbed Steelhead appliances supports an environment of accelerated applications transmitted over the WAN, without any loss in visibility. By implementing nGenius Performance Manager on a network prior to Riverbed deployment, a user can baseline the network to determine which segments and applications require acceleration. Users can use this performance baseline to quantify the results and benefits of application acceleration from a high-level perspective as well as on a per-user, per-application basis. Using this baseline and continuing to evaluate performance post deployment, users are able to see the performance and business impact of using Riverbed's Steelhead solution. Further, the nGenius Solution will provide visibility of the accelerated applications side-by-side with non-accelerated traffic to improve trouble shooting and capacity planning activities. Finally, the nGenius Solution can also be used in an ongoing manner to identify additional WAN segments that would benefit from acceleration.

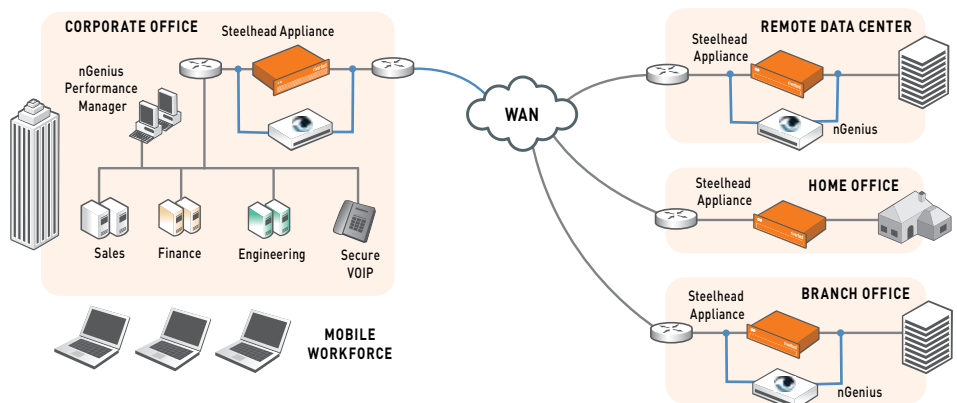
After initial deployment of Steelhead appliances, NetScout's packet-flow technology provides full visibility into performance metrics, including:



- High-level key performance indicators (KPIs), such as response time, errors or jitter
- Application flow data, such as utilization, conversations or top talkers
- Packet-level analysis, such as decodes and bounce diagrams

NetScout's KPI-to-Flow-to-Packet workflow for performing network and application performance analysis allows Riverbed users to monitor performance and troubleshoot even the most difficult or complex network problems.

Deploying the combined NetScout and Riverbed solution allows users to not only take advantage of industry-leading application acceleration technology, but to do so without any loss of ability to both proactively and reactively manage network and application performance.



About NetScout Systems

NetScout Systems provides advanced network and application service assurance solutions that deliver complete visibility into real-time, packet/flow-based operational intelligence. IT operators at the world's largest enterprises, government agencies, and service providers use the Sniffer and nGenius solutions to troubleshoot service degradations faster and more efficiently in order to reduce MTTR. Additional information about NetScout (Nasdaq: NTCT) is available at www.netscout.com.

About Riverbed

Riverbed Technology is the performance leader in wide-area data services (WDS) solutions for companies worldwide. By enabling application performance over the wide area network (WAN) that is orders of magnitude faster than what users experience today, Riverbed is changing the way people work, and enabling a distributed workforce that can collaborate as if they were local. Additional information about Riverbed (Nasdaq: RVBD) is available at www.riverbed.com.

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