

Accelerate and Analyze your Network with Riverbed and OPNET

In today's always-on culture, employees expect reliable, immediate access to networked content, applications, and on-line services. The networked enterprise serves a distributed and mobile workforce along with globally integrated strategic partners and suppliers. This environment presents significant challenges to the IT organization responsible for providing responsive access to systems and services. To meet the demands of the business, they need tools to ensure adequate application performance, including monitoring application response time and network traffic, proactively detecting issues and anomalies, and rapidly troubleshooting performance problems.

OPNET Delivers Visibility into Riverbed Accelerated WAN Environments

Riverbed's Steelhead® appliances accelerate the performance of all TCP based WAN applications by addressing all three bottlenecks to WAN performance. Steelhead appliances optimize both application and transport protocol chattiness, and offer unprecedented bandwidth optimization. These optimizations work in harmony with each other to provide the highest levels of performance improvement. A Riverbed optimized network satisfies users' response time expectations without requiring additional bandwidth.

OPNET's solution offering provides real-time end-user experience monitoring and deep-level troubleshooting of networked applications. OPNET's AppResponse Xpert™ is an end-to-end solution that spans monitoring, measurement, and detection of application performance violations, providing visibility of all transactions and users across the enterprise. OPNET's AppTransaction Xpert™ complements AppResponse Xpert with advanced knowledge about how applications, servers, and networks interact, enabling deep drill-down into application performance problems with actionable results and what-if validation of proposed fixes.

Riverbed Steelhead appliances accelerate applications to provide users with faster performance when accessing applications and data remotely; OPNET monitors and troubleshoots end-user response time of critical applications. Together, Riverbed and OPNET ensure that your network and applications will live up to your users' expectations.

Implement OPNET's AppResponse Xpert and AppTransaction Xpert with Steelhead appliances to:

- Analyze performance prior to Steelhead deployment
- Achieve end-to-end performance monitoring and analysis
- Automatically troubleshoot application performance

Analyze Performance Prior to Steelhead Deployment

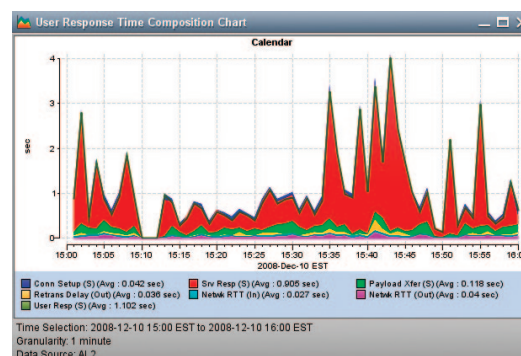
OPNET's AppResponse Xpert enables you to monitor actual response time metrics of a non-accelerated environment in order to baseline your network and determine the best configuration for Steelhead appliances. OPNET's solutions analyze the delay components of an application which saves you time by identifying the most critical applications that would benefit from implementing WAN acceleration technologies and by how much.

- Identify candidate sites and applications for Steelhead deployment
- Baseline performance prior to Steelhead deployment



CASE STUDY

Coty Inc., a leading provider of fragrance and beauty products decided to implement Riverbed Steelhead appliances and OPNET's AppResponse Xpert and AppTransaction Xpert to assist in an IT consolidation effort. "We chose solutions from Riverbed and OPNET in order to scale and manage our network more efficiently," says Steve Kamvissis, Global Network Manager at Coty. "The combined offering enabled us to centralize our video and graphics without the need to acquire additional bandwidth, while gaining the ability to easily monitor and troubleshoot our global users' access to SAP and Oracle. The implementation of the Riverbed and OPNET solution has been effortless and now my team has the time to focus on planning strategic IT projects that impact our business."



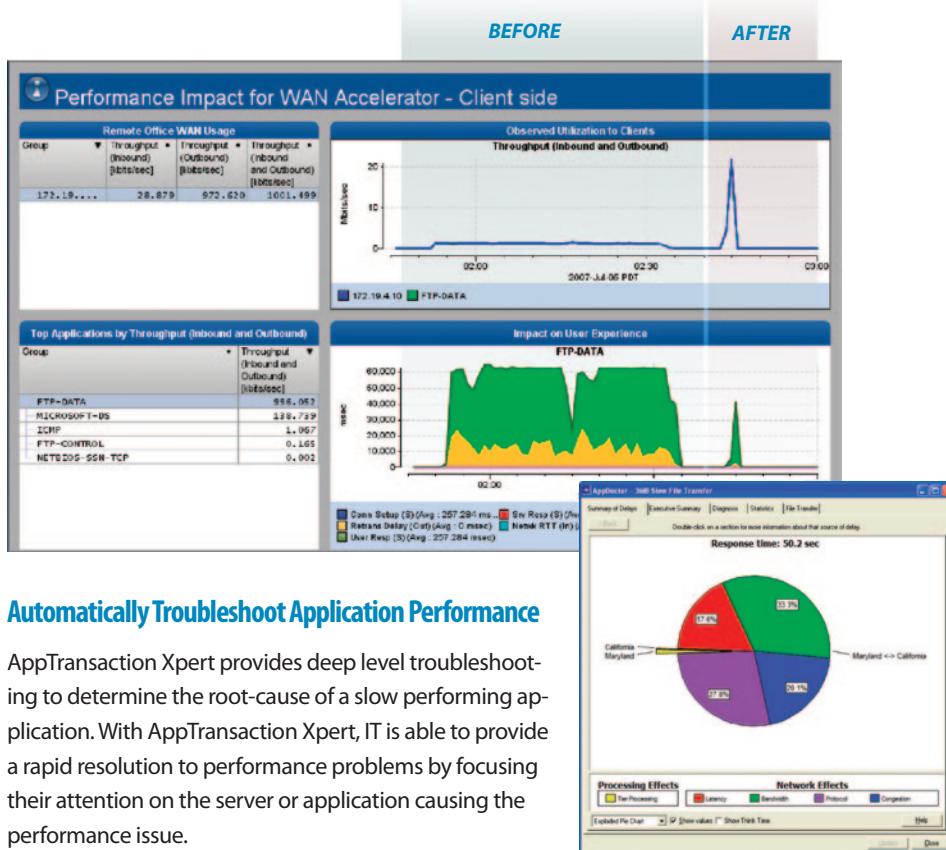
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OPNET
Application and Network Performance™

Achieve End-to-End Performance Monitoring and Analysis

OPNET solutions enable you to measure the before-and-after statistics in order to evaluate the benefits associated with a Steelhead deployment.

- Continuously monitor applications and the end-user experience
- Automatically baseline and alarm on threshold violations
- Evaluate and quantify benefits from Steelhead



Automatically Troubleshoot Application Performance

AppTransaction Xpert provides deep level troubleshooting to determine the root-cause of a slow performing application. With AppTransaction Xpert, IT is able to provide a rapid resolution to performance problems by focusing their attention on the server or application causing the performance issue.

AppTransaction Xpert:

- Identifies slow servers
- Diagnoses “chatty” applications
- Troubleshoots misconfigured Steelhead appliances
- Proves “It’s not the network!”

AppResponse Xpert on Riverbed Services Platform (RSP)

AppResponse Xpert on RSP provides real-time end-user experience monitoring and visibility into application performance within Riverbed Steelhead deployments. AppResponse Xpert on RSP runs within a Riverbed Steelhead appliance and allows enterprises to deploy best-of-breed network and application performance monitoring at remote sites without the need for an expanded branch office hardware footprint.

A joint Riverbed and OPNET solution provides:

- Accelerated responsiveness of applications in a WAN environment
- Cost savings by enabling IT infrastructure consolidation with no performance penalty
- Real-time monitoring of application response times, SLAs, traffic, etc., to provide evidence that the WAN accelerators are improving performance
- Troubleshooting capabilities to prove that a slow response time is not always the network, and determines the root-cause, such as the server or an application

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Why Riverbed?

- Leader in wide-area data services (WDS) technology
- Deployed at thousands of companies worldwide
- Improves application performance without the need to spend money on increased bandwidth
- Enables IT consolidation while improving application performance at remote sites

Why OPNET?

- Leader in advanced monitoring and troubleshooting of networked applications
- Deployed at thousands of companies worldwide
- Ensures a successful application deployment
- Validates planned application and infrastructure changes, ensuring an effective investment of time and money for optimized application performance

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.

About OPNET

OPNET Technologies, Inc. is a leading provider of solutions for managing networks and applications. OPNET’s best-in-class solutions address application performance management as well as network planning, engineering, and operations. OPNET uniquely provides a full end-to-end APM solution including end-user experience and application monitoring, in-depth troubleshooting, capacity planning, and real-time analytics. OPNET’s solutions have been operationally proven in thousands of customer environments worldwide, including corporate and government enterprises, defense agencies, and service providers. For more information about OPNET and its products, visit www.opnet.com.

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