

# RIVERBED OPTIMIZATION SYSTEM (RiOs)

## — WHAT'S NEW

### NEW FEATURES & CAPABILITIES

- Cost-effectively leverages and enhances hybrid networks to meet business demands
- Delivers support for application-level visibility and reporting
- Introduces industry-first optimizations for Microsoft and NetApp applications
- Offers Steelhead CX 255 for branch offices — high-speed performance with enterprise-class WAN optimization

### ACCELERATION EVERYWHERE WITH ENHANCED IT CONTROL AND VISIBILITY

With the increased reliability of internet connections and adoption of cloud-based services, businesses want to balance, optimize, and accelerate applications across hybrid private, public, and Internet links to realize cost savings without sacrificing performance.

With the Riverbed® Optimization System (RiOs®) 8.5 for the Riverbed® Steelhead® product family, a groundbreaking new path selection technology enables businesses with complex hybrid networks across branch offices to maximize the performance of business-critical and consumer applications while retaining IT control and reducing complexity and costs.

#### In addition, RiOs 8.5:

- Delivers support for the Riverbed Cascade® Profiler appliance, providing organizations with visibility and insights on network usage to enable IT to better monitor and deliver high performance for applications.
- Offers new industry-first optimizations for Microsoft® and NetApp® applications critical to providing a reliable performance experience to ensure collaboration, productivity, and communication.
- Introduces the Riverbed® Steelhead® CX 255 model appliance, which enables organizations with smaller branch offices to cost-effectively deliver high-speed performance with enterprise-class WAN optimization.

With RiOs 8.5 for Steelhead appliances, we are delivering the most comprehensive and customer-centric WAN optimization product family for organizations with distributed IT and hybrid networks to achieve acceleration everywhere.

## STEELHEAD RIOS 8.5 ADVANTAGES

### Path selection delivering acceleration everywhere with enhanced control and visibility

To meet changing business and end-user demands, the network is evolving rapidly to a hybrid architecture leveraging the ubiquity, price, and speed of the Internet to complement the MPLS-based WAN network.

With the introduction of path selection in RiOs 8.5, IT organizations can cost effectively deploy and manage complex hybrid networks to deliver greater application reliability, performance, and cost-savings. The path selection feature maximizes the performance of applications using deep packet inspection (DPI)-based application awareness to distinguish between business-critical and recreational traffic. In the event of performance degradations, the path selection feature reroutes application flows, thus ensuring no impact to users.

Riverbed's competitively differentiated approach is transparent to the existing network, easy to configure through an intuitive graphical interface, and tightly integrated with a rich deep packet inspection engine for flexible and granular policy definition. With integrated quality of service (QoS) and now path selection, Riverbed WAN optimization product family provides IT organizations with the ability to control network consumption, prioritizing mission-critical and latency-sensitive applications, while minimizing utilization by recreational traffic and reducing IT costs.

### Combined support for application-aware network performance management

Combining WAN optimization, QoS, path selection, and application-aware network performance management capabilities, Steelhead products are the industry's first integrated solutions, providing you with unprecedented control and visibility—even in the most complex environments.

Support of Cascade 10.0.7 in RiOs 8.5 extends application-aware network performance management capabilities to Steelhead WAN optimization deployments. Steelhead appliances can now send Cascade flow with application DPI information to provide enhanced application-level analytics and reporting. This capability enables organizations to quickly identify, prioritize, and route business-critical applications and non-essential web traffic using the new path selection feature, as well as QoS found natively in RiOs.

### Optimizations for business-critical applications

RiOs 8.5 introduces unique optimizations for business-critical Microsoft applications and environments, including SharePoint® 2013, Exchange 2013, Office365®, as well as file sharing applications that utilize the server message block 3 (SMB3) protocol in Windows® 8 and Server 2012 environments.

- Steelhead appliances with RiOs 8.5 greatly enhance SharePoint usage experience by optimizing and accelerating protocols such as Front Page Server Extension (FPSE) and WebDAV that run on top of the HTTP transport layer. The advantages include the ability to boost productivity with faster collaboration, centralize and consolidate SharePoint farms, and deliver LAN-like performance for branch office users.
- With RiOs 8.5, enhanced features of Riverbed's SMB3 optimization include encrypted SMB packets, AES-CMAC-based signing, and the ability to securely negotiate capabilities between the client and server.

With Storage Intelligent optimization for NetApp SnapMirror®, the IT organization can now efficiently prioritize and deliver data replication to ensure business continuity and rapid disaster recovery of critical data. Customers can obtain detailed insights into each storage volume and prioritize replication for the most important data sets while avoiding taxing resources on processing data.

Riverbed now offers customers this advanced capability for NetApp SnapMirror. Combined with previous Steelhead optimizations for replication, data protection goals can be more easily met across the enterprise.

### Steelhead CX255 appliances for enterprise WAN optimization to small branch offices

With the Steelhead CX 255 model appliance, the infrastructure IT team can deliver high-speed performance and enterprise-class WAN optimization cost-effectively to every branch office, including small branch offices, while delivering the best experience.

With greater than 200 TCP connections and 6 MBps bandwidth capacity, Steelhead CX 255 model appliance has tripled the capacity over previous Steelhead CX 250 model appliance series and provides organizations with a small branch office solution delivering the same benefits of larger Steelhead WAN optimization solutions, including decreasing bandwidth utilization by up to 98 percent and improving application acceleration up to 100 times faster.

## AVAILABILITY

RiOs 8.5, Cascade Profiler 10.0.7, and Steelhead CX 255 are generally available in Q3 2013.

## ABOUT RIVERBED

Riverbed delivers performance for the globally connected enterprise. With Riverbed, enterprises can successfully and intelligently implement strategic initiatives such as virtualization, consolidation, cloud computing, and disaster recovery without fear of compromising performance. By giving enterprises the platform they need to understand, optimize and consolidate their IT, Riverbed helps enterprises to build a fast, fluid and dynamic IT architecture that aligns with the business needs of the organization. Additional information about Riverbed (NASDAQ: RVBD) is available at [www.riverbed.com](http://www.riverbed.com).