



# MAZU PROFILER RIVERBED STEELHEAD

## Riverbed and Mazu Accelerate Your WAN and Improve Network Visibility

You've deployed Riverbed Steelhead® appliances on your key links and your users are enjoying the acceleration benefits of the applications running across those links. Now you need to make sure that you're not losing those benefits to unauthorized applications and that you can quickly troubleshoot any problems. Or maybe you know you need to deploy Steelheads but you are not sure how to identify which links to deploy on and how to prioritize them.

To solve these challenges, you need the visibility that only the Mazu Profiler™ Network Behavior Analysis (NBA) system can provide. NBA systems analyze network traffic to provide valuable information about the interactions of and dependencies between users, applications, and systems. This information is used by IT personnel and management to alert them to meaningful change and inform infrastructure optimization initiatives, enabling them to evolve the IT infrastructure to keep pace with the business.

Mazu Networks and Riverbed have teamed up to integrate Mazu Profiler with Riverbed Steelhead appliances to enable customers to optimize their WANs with complete network-wide visibility.

### How it Works

Mazu Profiler passively collects the NetFlow data from the Steelhead appliance and uses that information to analyze behavior and provide performance reporting capabilities. Because Mazu Profiler augments this data with layer 7 information, reports and alerts are intuitive and descriptive. Mazu Profiler also provides a set of reports specific to WAN optimization including inter-site traffic and views to quantify the benefit of optimization.

### Visibility into Optimization Performance

Mazu Profiler enables you to measure the success of optimization. Mazu Profiler shows you the interactions between WAN sites and centralized applications, and can demonstrate the effect Steelhead appliances are having on those connections. As traffic is optimized, the increased throughput of application transactions will enable more connections to be made. This can be seen by an increased number of connections in the same time frame. By measuring connections per second on a specified link before and after deployment of a Steelhead appliance, you can objectively measure the effect of data reduction.

### Visibility into Traffic by Site

Mazu Profiler shows you information about traffic between Steelhead devices. Unlike systems that use IP groups which are difficult to set up and maintain, Mazu Profiler can easily show you information about your sites by port and protocol, layer 7 application, user, and host, including:

- Bi-directional traffic between devices for a specific site
- Ranking of all your sites
- Interactions between a specific site and the rest of the WAN

This data enables you to understand what's happening on and between your sites. It also helps you prioritize optimization candidate links.

### Visibility into Application Usage

Mazu Profiler augments the NetFlow data it receives from the Steelhead appliance with layer 7 data that enables you to identify traffic based on the application, regardless of port or protocol. Even port 80 traffic can be identified by application name. This enables you to determine which traffic on the network can potentially be optimized by the deployment of additional Steelhead appliances. It also enables you to identify non-business applications that are using bandwidth and should be eliminated from the network.

### Visibility into WAN Usage Changes

Mazu Profiler's behavior analytics enable you to monitor the network for meaningful changes that could affect performance or violate usage policies. You can be automatically notified whenever a specified condition exists or is violated, for example:

- If utilization on an optimized link exceeds a specified threshold
- The amount of "optimizable" traffic on a non-optimized link exceeds a certain level
- If non-business applications are consuming excess WAN bandwidth

Thresholds can be set at a per-site, per-application (layer 7) level, enabling you to manage your WAN at granular level if desired. This enables you to proactively address changes that could affect your WAN's performance.

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## Visibility into the Entire WAN

Mazu Profiler provides a real-time WAN dashboard that gives you a single management view to the WAN as a whole and includes reports of:

- Alerts
- Usage by site
- Usage by application
- Usage by host

This enables you to quickly and easily see what's happening on the WAN in real time.

## A Powerful Combination

The integration of the Mazu Profiler NBA system with Riverbed Steelhead appliances gives you a powerful combination of optimization and visibility which enables you to:

- Objectively measure the effect of optimization performance.
- Understand what is happening within and between sites historically and in real time.
- Select and prioritize the WAN sites for optimization and understand the benefit to business applications.
- Distinguish business vs. non-business usage of bandwidth for planning and optimization decisions.
- Understand in real time changes that will affect WAN performance.



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## About Us

### Mazu Networks

Mazu Networks provides continuous global visibility into how users, applications, hosts and devices are behaving on a network, and detects if there are meaningful changes from their typical behavior that indicate a network performance issue, a security threat, or an application problem. Through Mazu, enterprises understand usage patterns, consumption rates and dependencies between users, applications and network infrastructure. Only Mazu offers continuous global visibility, automatic and custom behavioral analysis benefits for network operations, and security and superior integration with network and security products. Mazu Networks' customers optimize their network operations, secure their internal networks and maximize application availability.

### 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](http://www.riverbed.com).