

Riverbed's Cascade v8.3

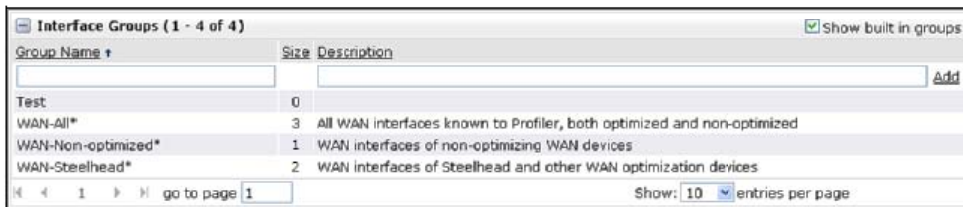
Out of Box WAN Optimization Intelligence

Cascade v8.3 streamlines the visibility and reporting efforts of organizations deploying WAN optimization. Only Riverbed Cascade offers this level of automation, ease of use, and consolidated enterprise visibility in one place.

Auto-detection of Riverbed Steelhead appliances

Cascade Profiler v8.3 automatically recognizes that Steelhead appliances (RIOS v5.5.3 or greater) sending NetFlow are in fact Steelhead appliances, and not just generic NetFlow sources. Once the Steelheads are detected, Cascade automatically groups the WAN interfaces appropriately as optimized sites or non-optimized sites, plus a group including all sites.

This automatic detection and grouping simplifies Cascade setup, shortens the out of box time to value, and enables scaling in growing environments. Moreover, Cascade WAN reports, including built-in reports, will now automatically reflect optimized vs. non-optimized traffic.



The screenshot shows a table titled "Interface Groups (1 - 4 of 4)" with columns for Group Name, Size, and Description. The table lists four groups: "Test" (Size 0), "WAN-All*" (Size 3, Description: All WAN interfaces known to Profiler, both optimized and non-optimized), "WAN-Non-optimized*" (Size 1, Description: WAN interfaces of non-optimizing WAN devices), and "WAN-Steelhead*" (Size 2, Description: WAN interfaces of Steelhead and other WAN optimization devices). The interface also includes a search bar, an "Add" button, and a "Show: 10 entries per page" dropdown.

Group Name	Size	Description
Test	0	
WAN-All*	3	All WAN interfaces known to Profiler, both optimized and non-optimized
WAN-Non-optimized*	1	WAN interfaces of non-optimizing WAN devices
WAN-Steelhead*	2	WAN interfaces of Steelhead and other WAN optimization devices

Automatic interface grouping within Cascade Profiler

One-click WAN and optimization analysis reports

With the simplicity of just one click; day, week, month or yearlong summary reports across the enterprise are delivered. No prior operational or environmental knowledge is necessary.

Overall WAN analysis – A one-click report summarizing top WAN interfaces, applications, QoS classes, and latency by location and application server. The overall report summarizes across both optimized and non-optimized interfaces, and helps you understand which applications are being used most in the WAN, which sites are most active, where potential congestion lies, and which sites are potentially experiencing poor application performance.

Look across your network and answer questions such as

- Are my top applications on the WAN business related?
- Are there any outliers for high network latency or server delay?
- Are my QoS classes being used? Abused?
- Am I nearing capacity on any of my WAN links?

Solution Overview



Benefits

- Faster time to value for joint Steelhead + Cascade deployments, with automatic detection of Riverbed Steelheads appliances
- Out of box WAN optimization intelligence with one click reports summarizing:
 - Visibility across the WAN
 - Where best to optimize
 - How am I benefiting today?
 - Steelhead appliance sizing
 - Spot trends in SLO adherence
- with behavior trending reports

Solution Overview

Manage limited resources

- Prioritize the most congested WAN links
- Prioritize the highest latency WAN links
- Understand the business importance of different links
- Document how congestion affects application performance
- Understand which sites will actually benefit

Rationalize investments

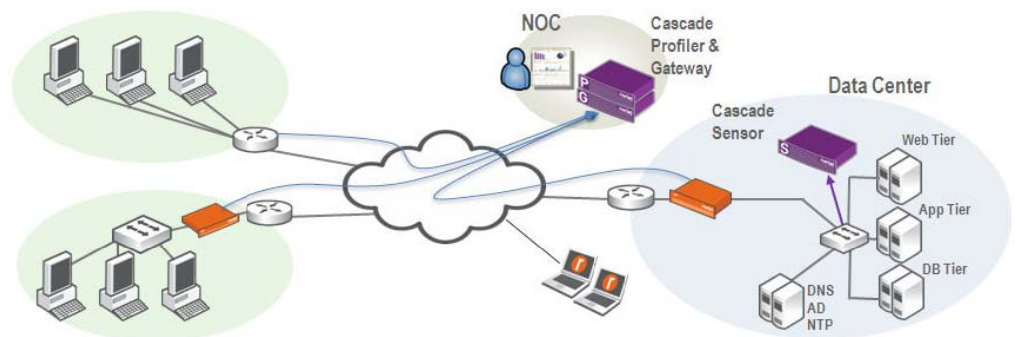
- Prove the benefit of existing optimization
 - Which sites are benefiting?
 - Which applications are benefiting?
 - How much bandwidth is being saved?
 - Forecast the benefits of additional optimization

Spend wisely

- Shorten POC timelines
- Justify your recommendations
- Anticipate growth to prepare for upgrades

Optimization candidate analysis – A one-click report summarizing which non-optimized applications have the poorest performance, and the interfaces they traverse. This helps you understand what sites and which applications would benefit the most from the application of Steelhead appliances.

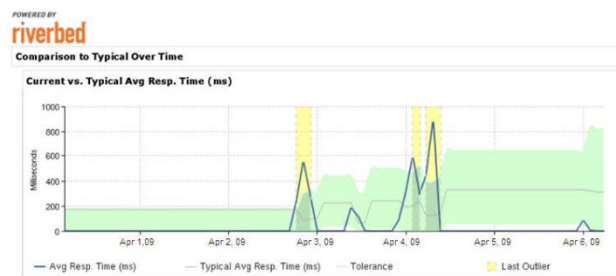
Steelhead optimization benefit analysis – A one-click enterprise summary capturing percentage of optimized vs. nonoptimized traffic, top benefitting applications, including what % data reduction they are experiencing, and top benefitting interfaces and servers. This helps you understand how optimization is impacting your WAN. See if key applications and locations are benefitting. Forecast the value of deploying additional Steelhead appliances.



Site capacity analysis – A one-click report to guide sizing of Steelhead appliances for new sites. Report on interface bandwidth, utilization and number of connections; the exact data necessary to properly size Steelhead appliances. Size Steelhead appliances more accurately and with less effort.

Enhanced reporting on learned behaviors

Leverage the rich data within Cascade to better understand application adherence to Service Level Objectives over time. Spot trends in outlying traffic, associate newly reported problems with traffic anomalies, and visualize service delivery cycles. Cascade behavior reporting replaces reams of raw data or reports with concise views of typical vs. atypical days.



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