

CASCADE EXPRESS 460

ALL-IN-ONE NETWORK PERFORMANCE MONITORING, PACKET CAPTURE AND ANALYSIS PLUS REPORTING

Business Challenge

If you work on a network operations team, you know how increasingly hard it is to understand and ensure application performance for your end users. You need visibility into areas where issues may occur – application, network and infrastructure – in order to identify and diagnose problems quickly and minimize downtime.

But it hasn't been easy to gain this level of visibility across the WAN or hybrid network without deploying additional probes, packet capture devices or remote site technicians. Too often, existing solutions are too complex or difficult to use and for many IT teams, you simply do not have the time or the resources to devote to a time-consuming, bottoms-up and traditional troubleshooting approach.

The Riverbed Solution

Riverbed Cascade Express 460 appliance combines the best of flow and packet capture plus analysis into a single, easy-to-deploy solution. It is best suited for the small to mid-size enterprise (SME), a branch office location or a subsection of a larger network. With application awareness and packet capture capabilities integrated into a single solution, Cascade Express 460 gives you the intelligence and network visibility you need to quickly view network and application performance and troubleshoot issues before your users even notice.

Cascade Express 460 delivers an enterprise-wide view of application utilization plus packet capture and QoS intelligence so you can see what is really running across the WAN and in your branch locations. With full visibility into your network and proactive, real-time performance metrics per application, location and user, you can identify the source of any problem and drill-down from layer 7 application information all the way to low-level address and ports with just a few clicks.

You can also use your Riverbed® Steelhead® to send flow data to Cascade Express 460 for deeper application-aware network performance management and easy monitoring and troubleshooting across the WAN optimized network with no additional probes required.

Cascade Express 460 Virtual Edition

If your organization has embraced virtualization, and is beginning to adopt cloud and software-defined data center (SDDC) technology, you know how hard it can be to maintain visibility in these hybrid environments, let alone try to install monitoring appliances.

Riverbed Cascade Express 460 Virtual Edition runs on VMware vSphere to provide added deployment flexibility, gain expanded visibility and move your monitoring where it's needed, whether it's between data centers or in the cloud. Its virtualized form factor allows it to be deployed:

- By companies that have fully embraced virtualization
- Within software-defined data centers whether or not they are using SDN overlay networks
- By SMEs as a virtual alternative to the Cascade Express 460 hardware appliance

KEY BENEFITS

- Increase application visibility and improve performance across the network and in the cloud
- Gain cost-effective, enterprise-class network performance monitoring in an easy-to-deploy solution
- Automatically detect, isolate, and pinpoint changes in performance
- Speed problem identification and resolution with fast retrieval and analysis of flow and packet data
- Use existing network devices to gain insight into traffic and bandwidth usage

KEY FEATURES

Seamlessly integrated all-in-one NPM solution

Cascade Express 460 brings together packet capture and flow data collection for deeper application-aware network performance management and easy monitoring wherever it's deployed.

Cascade Express 460 includes these capabilities:

- Riverbed Cascade® Profiler for analytics, application dependency mapping and reporting
- Riverbed Cascade® Gateway for flow data collection
- Riverbed Cascade® Shark for high-speed packet capture
- A single concurrent license of Riverbed Cascade® Pilot desktop software for graphical packet analysis

Complete application-level visibility

Off the shelf, Cascade Express 460 identifies more than 1000 popular applications with deep packet inspection of application traffic, for easy viewing and analysis so you can quickly and accurately distinguish business-critical from recreational applications.

Automate analytics

Automatically detects and alerts on meaningful changes in performance, providing proactive notification of brewing issues.

Discovery and dependency mapping

Creates service maps for accelerating troubleshooting across complex application ecosystems, and planning for data center consolidation or cloud, disaster recovery, and virtualization initiatives.

Powerful packet capture and storage

Monitors and troubleshoots complex or intermittent performance and security-related problems, without having to transfer large files across the network.

Unifies flow and packet-based data with smart packet indexing so you can easily search terabytes of data for a seamless transition between flow-based and packet-level information.

Integration with Riverbed Steelhead to ensure application performance and visibility across your WAN

Use your Steelhead investment to send both flow and packet data to Cascade Express 460 for robust analysis of Steelhead-optimized WAN and quality of service (QoS) settings by application.

Provides robust analysis of optimized WAN environments and quality of service (QoS) settings, enabling you to easily plan for WAN optimization, assess the impact of the deployment, and quantify benefits.

Riverbed Cascade Express 460 appliances

Cascade Express 460					
Model	CAX-460-U	CAX-460-L	CAX-460-M	CAX-460-H	CAX-460-VH
Flow Capacity (FPM) ¹	15,000	30,000	60,000	90,000	120,000

Riverbed Cascade Express 460 Virtual Edition

Cascade Express 460 Virtual Edition					
Models	CAX-VE-460-F1	CAX-VE-460-F2	CAX-VE-460-F3	CAX-VE-460-F4	CAX-VE-460-F5
Flow Capacity (FPM) ¹	15,000	30,000	60,000	90,000	120,000
Hypervisor	VMware ESXi 5.0				

¹Flows per Minute. Flow capacity can be expanded up to the amount listed.