
SteelCentral NetExpress

All-in-One Network Performance Monitoring: Packet Capture, Flow Collection, Advanced Analysis, Plus Reporting in a Single Solution


The 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® SteelCentral™ NetExpress 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, SteelCentral NetExpress gives you the intelligence and network visibility you need to quickly view network and application performance and troubleshoot issues before your users even notice.

SteelCentral NetExpress delivers an enterprise-wide view of application utilization plus packet capture and quality of service (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 addresses and ports with just a few clicks. You can also use your Riverbed® SteelHead™ and Riverbed® SteelFusion™ to send flow data to SteelCentral NetExpress for easy monitoring and troubleshooting across WAN-optimized network with no additional probes required. SteelCentral NetExpress Virtual Edition runs on VMware vSphere to provide added deployment flexibility.



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 and use solution
- Speed problem identification and resolution through automatic detection of changes in performance

Key Features

Seamlessly integrated all-in-one NPM solution

Brings together packet capture and flow data collection for deeper application-aware network performance management (NPM) and easy monitoring wherever it's deployed.

SteelCentral NetExpress includes these capabilities:

- Advanced analytics, application dependency mapping, and reporting for rich analysis of integrated network and application data
- Collects and tracks all flow traffic on the network
- High-speed packet capture with deep packet inspection
- A single concurrent license of Riverbed SteelCentral Packet Analyzer desktop software for graphical packet analysis

Complete application-level visibility

Identifies more than 1,300 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.

Automated analytics

Detects and alerts on meaningful changes in performance automatically, providing proactive notifications of brewing issues.

Discover 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.

Flow Collection

Collects and deduplicates popular metrics from NetFlow (V1, V5, V7, V9), IPFIX, Enhanced NetFlow, NBAR, sFlow, J-Flow, cFlow, Packeteer FDR, Citrix AppFlow, Palo Alto Networks, Cisco NBAR2, Cisco MediaNet, Cisco ASA NSEL and SteelFlow Net.

Integration with Riverbed SteelHead and SteelFusion

Use your SteelHead or SteelFusion investment to ensure application performance and visibility across your WAN to send both flow and packet data to SteelCentral NetExpress for robust analysis of SteelHead-optimized WAN and QoS settings by application.

SteelCentral NetExpress provides robust analysis of optimized WAN environments and QoS settings, enabling you to easily plan for WAN optimization, assess the impact of the deployment, and quantify benefits.

Riverbed SteelCentral NetExpress Solutions

SteelCentral NetExpress 470

Model	SCNE-00470 Series				
Configurations	F1	F2	F3	F4	F5
Flow Capacity (FPM) ¹	15,000	30,000	60,000	90,000	120,000

Riverbed SteelCentral NetExpress Virtual Edition

SteelCentral NetExpress Virtual Edition

Model	SCNE-00470 Series				
Configurations	F1	F2	F3	F4	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 amount listed.

Gartner Magic Quadrant Recognition

Riverbed is a three-time leader in the Gartner Network Performance Monitoring and Diagnostics (NPMD) [magic quadrant](#).*

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About Riverbed

Riverbed, at more than \$1 billion in annual revenue, is the leader in application performance infrastructure, delivering the most complete platform for the hybrid enterprise to ensure applications perform as expected, data is always available when needed, and performance issues can be proactively detected and resolved before impacting business performance. Riverbed enables hybrid enterprises to transform application performance into a competitive advantage by maximizing employee productivity and leveraging IT to create new forms of operational agility. Riverbed's 27,000+ customers include 97% of the *Fortune* 100 and 98% of the *Forbes* Global 100. Learn more at riverbed.com/SteelCentral.

The Riverbed logo consists of the word "riverbed" in a bold, lowercase, orange sans-serif font.