riverbed®

SteelCentral Flow Gateway

Collect, Aggregate, and Compress Flow Data from Across the Enterprise Network

The Business Challenge

Accurate data collection is a must if you want to truly understand your network. Not just a sampled subset, but complete data about peak usage, packet loss, and quality of service (QoS) is the most powerful way to get real-time visibility and historical insight that can help you optimize delivery of your network services. Yet in today's complex network environment, it can be difficult to quickly collect data from different devices and quickly gain an end-to-end network view without having to install probes everywhere.

The Riverbed Solution

Riverbed® SteelCentral™ Flow Gateway collects and forwards flow data (NetFlow, sFlow, J-Flow, IPFIX and other popular flow statistics) from network devices and SteelFlow Net from SteelCentral NetShark packet-capture appliances. It de-duplicates common information, and then forwards it to the SteelCentral™ NetProfiler console for network troubleshooting, just-in-time alerting, and reporting.

SteelCentral Flow Gateway Virtual Edition runs on VMware vSphere to provide added deployment flexibility.

Key Benefits

- Delivers end-to-end visibility into a flow, enabling reports from different devices to track utilization, packet loss or changing Qos

- Lowers total cost of ownership (TCO) with flow de-duplication

- Utilizes existing network devices, E.G. routers, switches, and WAN optimization solutions, for a scalable, cost-effective way to gain insight into traffic and bandwidth usage

Key Features

Track 100% of all flow traffic on the network

- Collects popular metrics from NetFlow (V1, V5, V7 and V9), IPFIX, Enhanced NetFlow, NBAR, sFlow V2 and V5, J-Flow, cFlow, Packeteer FDR, Citrix AppFlow, Palo Alto Networks, Cisco NBAR2, Cisco MediaNet, Cisco ASA NSEL and SteelFlow Net

Deduplication

- SteelCentral Flow Gateway appliances remove flow data redundancy through deduplication and centralizing the storage of flow data. Flow Gateway de-duplicates flows for end-to-end flow visibility, better accuracy in reporting, and lower total cost of ownership.

Reliable, compressed transmission

- Flow data is critical when every transaction counts but it shouldn't clog the network in order for you to analyze it. Flow Gateway aggregates the data, de-duplicates it, compresses it by five to ten times, encrypts it, and then transmits it via TCP to NetProfiler for enhanced reliability to NetProfiler reliability and reduced impact on the network.

Data granularity

- All organizations can benefit from continuous flow data analysis, especially those in financial services, trading, government, healthcare, and retail. SteelCentral Flow Gateway supports 2 million flows per minute (FPM) at up to one minute data granularity so nothing is missed.

Product Models

SteelCentral Flow Gateway Appliance supports from 150,000 to 3 million flows per minute.

SteelCentral Flow Gateway Appliances							
Model				SCFG-02270 Series			
Configurations	F1	F2	F3	F4	F5	F6	F7
Flow Capacity	200,000	400,000	600,000	800,000	1 Million	2 Million	3 Million

SteelCentral Flow Gateway Virtual Edition supports from 15,000 to 2 million flows per minute.

SteelCentral Flow Gateway Virtual Edition										
Model					SCFG-VE Series					
Configurations	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
Flow Capacity	15,000	30,000	60,000	90,000	200,000	400,000	600,000	800,000	1 Million	2 Million
Hypervisor					VMware ESXi 5.0, 5.1, 5.5					

*For complete configuration details and product models, please visit www.riverbed.com to download the SteelCentral specification sheet.

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 Technology, the leader in application performance infrastructure, provides 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. Learn more at riverbed.com.

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