

# Flow Gateway

Collect, aggregate, and compress flow data from across the enterprise network.

## 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® Flow Gateway provides decentralized collection and optimization of flow data across today's hybrid enterprise networks. It ingests flow records from a wide range of sources – including network devices and cloud environments (AWS, Azure, Google Cloud)– then de-duplicates, compresses, and forwards high-quality flow telemetry to Riverbed® NetProfiler.

NetProfiler analyzes this optimized data to deliver real-time network visibility, dynamic alerting, and advanced reporting. IT and security teams gain actionable insights into bandwidth usage, capacity trends, and anomalous traffic patterns – enabling them to optimize network performance, enhance security, and improve operational efficiency.

Available as physical or virtual appliances, Flow Gateway supports flexible deployment across on-premises, private cloud, and public cloud environments – providing a powerful foundation for organization-wide network observability.

## Key Benefits

- **Comprehensive Flow Visibility:** Collects and normalizes flow data from across on-premises, hybrid, and multi-cloud environments for enterprise-wide visibility.
- **Accurate Reporting:** Removes redundant flow data via intelligent deduplication for more accurate reporting and reduced storage and processing costs.
- **Unmatched Scale and Performance:** Delivers granular flow visibility with exceptional scalability and responsiveness across the largest, most complex network environments
- **Flexible Deployment:** Enables seamless visibility across hybrid, multi-cloud, and on-premises environments.

## Key Features

### Track 100% of all flow traffic on the network

Collects popular metrics from Riverbed nomenclature and add cloud '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, Riverbed NPM Flow, Azure NSG, Azure VNET, AWS VPC and Google Cloud VPC flow logs.

### Deduplication

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.

### Scalable and Distributed Architecture

Flow Gateways can be load balanced and geographically distributed to scale flow collection across large, complex environments – ensuring optimal performance, resilience, and comprehensive visibility across the entire network.

### 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 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. Flow Gateway supports 8 million flows per minute (FPM) at up to one minute data granularity so nothing is missed.

### Resiliency

When connectivity is lost to the NetProfiler, Flow Gateway will temporarily store flows until connectivity is restored and flows can be delivered.

## Learn More

For more information about Riverbed Flow Gateway specifications, please visit [riverbed.com/products](https://riverbed.com/products).



### About Riverbed

Riverbed, the leader in AIOps for observability, helps organizations optimize their user's experiences by leveraging AI automation for the prevention, identification, and resolution of IT issues. With over 20 years of experience in data collection and AI and machine learning, Riverbed's open and AI-powered observability platform and solutions optimize digital experiences and greatly improves IT efficiency. Riverbed also offers industry-leading Acceleration solutions that provide fast, agile, secure acceleration of any app, over any network, to users anywhere. Together with our thousands of market-leading customers globally – including 95% of the FORTUNE 100 – we are empowering next-generation digital experiences.

Learn more at [riverbed.com](https://riverbed.com).