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# Drive Performance Insight with Riverbed SteelCentral and Gigamon Visibility Platform

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The complicated new world of interconnectedness—inclusive of cloud, on-prem, and virtual environments—is challenging IT organizations to maintain and ensure performance of critical business applications and IT services.

## Integrated Solution

The Gigamon Visibility Platform™ for intelligent traffic filtering and manipulation together with Riverbed® SteelCentral™ provide a global digital experience management solution that combines infrastructure, application, and network monitoring with user experience for a holistic view of performance.

## Joint Solution Benefits

When used together, the two solutions can

- Protect user experience and minimize impact of downtime on business
- Improved network and application performance
- Monitor physical, cloud, and virtual traffic from a single solution for unified insights into the end-user experience
- Mask sensitive packets according to industry

regulations before sending them to SteelCentral

- Aggregate, filter, and slice packets to maximize utilization of SteelCentral processing power

## Introduction

Visibility into network and application performance continues to be a top concern for enterprise IT. This is not surprising given the preponderance of new technologies and business initiatives network operations teams must regularly handle.

EMA's Network Management Megatrends 2018 study found that public and private cloud, server virtualization and software-defined data centers (SDDC) top the list of business initiatives that are driving priorities in network management and monitoring. In fact, they found the average enterprise can trace 45% of all network traffic to the public cloud.

With these types of challenges, it is no surprise that customers are turning to Riverbed SteelCentral and Gigamon to solve their visibility problems.

Riverbed SteelCentral is the only end-to-end solution that blends device-based end-user experience, infrastructure, application, and network monitoring to give you a holistic view of your users' digital experience.

Leveraging the Gigamon Visibility Platform’s ability to capture and intelligently route high-fidelity streams of network traffic, Riverbed SteelCentral enables a new and proactive approach to network and application performance management and is comprised of:

- **SteelCentral AppResponse**—Network-based application performance management (APM) with continuous full packet capture with rich analysis modules for network forensics, application analytics, web transactions, unified communications, and database analysis.
- **SteelCentral AppResponse Cloud**—Network-based APM in and for the cloud
- **SteelCentral NetProfiler**— Enterprise-wide network flow analytics for monitoring the global health of your hybrid network, proactively identifying anomalous behavior, and dependency mapping
- **SteelCentral NetExpress**—All-in-one, flow and packet monitoring solution for small and medium organizations

## The Gigamon--Riverbed Joint Solution

A comprehensive and integrated performance management platform, Riverbed SteelCentral provides centralized visibility and insight for optimal performance of enterprise applications while also maximizing IT efficiency and productivity.

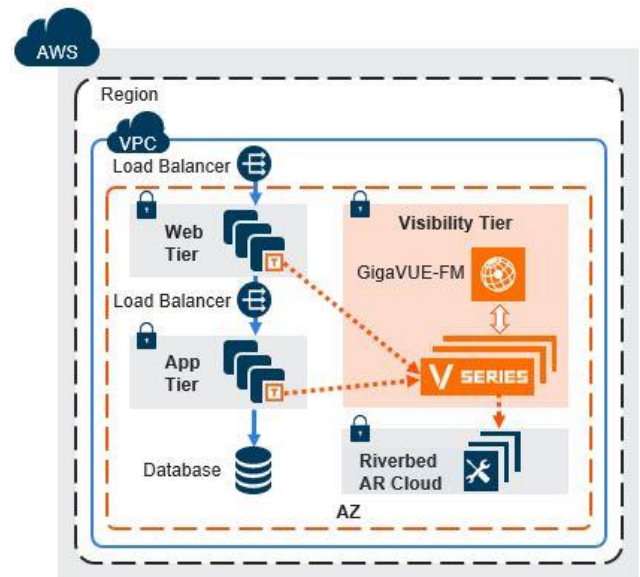
Connected to the Gigamon Visibility Platform, it captures and analyzes performance data—deeply and broadly—across networks, infrastructure, applications and end-user experience. Thanks to the platform’s modular nature, organizations can begin with any aspect of performance monitoring and grow that into a unified performance view.

The plug-and-play architecture of the integrated solution deploys easily in complex environments, providing

performance teams or IT operations teams with the vital insight required to proactively and effectively govern IT infrastructures and ensure continuous network and application availability.

Key Gigamon Visibility Platform features that augment the value of Riverbed technology include:

- **Easy access to traffic from physical and virtual networks:** Gigamon manages traffic from across the network and delivers it to Riverbed SteelCentral solutions, efficiently and in the correct format. To monitor east-west data center traffic, Gigamon taps virtual traffic and incorporates it into the Gigamon Visibility Platform for delivery to Riverbed solutions, so that the traffic can be monitored and analyzed together.
- **Effective and secure public cloud monitoring.** Delivers intelligent network traffic visibility for workloads running in AWS and enables increased security, operational efficiency and scale across Virtual Private Clouds (VPCs).



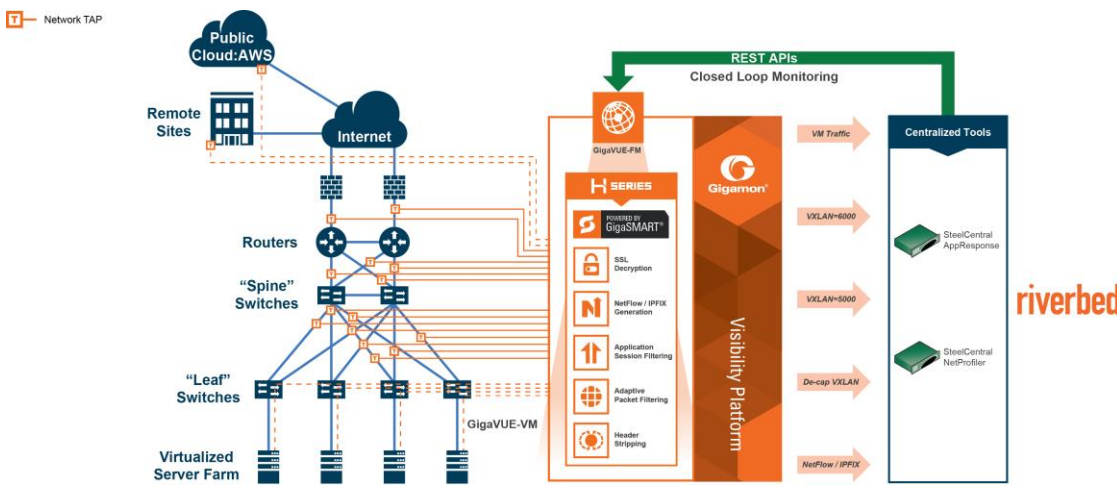
**Figure 1**  
The Gigamon Visibility Platform delivers intelligent network traffic visibility for workloads running in AWS and enables increased security, operational efficiency and scale across Virtual Private Clouds (VPCs).

- **Load balancing to spread traffic across multiple devices:** When traffic flows are larger than a single tool can handle, the Visibility Platform can split the flow across multiple tools while also ensuring sessions stay together and tool numbers can be incrementally grown by adding new devices to those already connected.

- **Aggregation to minimize tool port use:** Where links have low traffic volumes, the Visibility Platform can aggregate these together before sending them to Riverbed tools to minimize the number of ports needed. By tagging the traffic, the Visibility Platform enables the identification of the traffic source.
- **Header stripping for efficiency:** As needed, the Visibility Platform eliminates the need for Riverbed tools to decipher protocols, thus reducing their processing load and increasing efficiency.
- **Masking for compliance:** The visibility platform masks sensitive data (e.g., credit card numbers in e-commerce

and patient identification in healthcare) within packets before sending them to other tools where operators or other unintended recipients may see them.

- **De-duplication:** Pervasive visibility requires tapping or copying traffic from multiple points in the network, which, in turn, means tools may see the same packet more than once. To avoid the unnecessary packet processing overhead on Riverbed tools, the Visibility Platform has a highly effective de-duplication engine that removes duplicates before they consume resources.
- **SSL decryption:** Real-time SSL decryption integration increases traffic visibility for Riverbed solutions.



**Figure 1**  
Gigamon manages traffic from across the network and delivers it to Riverbed SteelCentral solutions, efficiently and in the correct format.

### About Gigamon

Gigamon is leading the convergence of networking and security. Our next generation network packet broker helps make threats more visible, deploy resources faster and maximize performance. Find out more at: [www.Gigamon.com](http://www.Gigamon.com)

### About Riverbed

Riverbed®, The Digital Performance Company™, enables organizations to maximize digital performance across every aspect of their business, allowing customers to rethink possible. Riverbed’s unified and integrated Digital Performance Platform™ brings together a powerful combination of Digital Experience, Cloud Networking and Cloud Edge solutions that provides a modern IT architecture for the digital enterprise, delivering new levels of operational agility and dramatically accelerating business performance and outcomes. At more than \$1 billion in annual revenue, Riverbed’s 30,000+ customers include 98% of the *Fortune* 100 and 100% of the *Forbes* Global 100. Learn more at [riverbed.com](http://riverbed.com).



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