

GigaVUE Cloud Suite for VMware

Overview

With the continued growth of virtualized traffic environments both within the data center and as part of a hybrid cloud infrastructure, most organizations have identified the need for a centralized monitoring and management capability to ensure security, scalability, and efficiency. GigaVUE® Cloud Suite™ for VMware is one of the core components of the Gigamon Deep Observability Pipeline, the most comprehensive solution that provides complete visibility, monitoring, and management of all North-South, East-West, encrypted, and container data in motion across VMware and hybrid infrastructures.

The Challenges of Successful VMware Deployments

IT, cloud, and security architects must consider many complex and interrelated questions to successfully deploy enterprise-scale workloads in VMware and hybrid environments. These include security concerns,

such as what are the best practices to eliminate blind spots between VMware instances and in hybrid environments, or to detect and respond to security or network anomalies when deploying virtualized applications.

In addition to these security concerns, there are also operational issues to consider; for example, how to get visibility into VM traffic when VMs are ephemeral and constantly in motion. Additionally, for organizations striving to achieve full automation, how can this be achieved across multiple virtualized data centers or a hybrid cloud?

Not considering and addressing these questions can slow down the successful transition to VMware-based environments, limit the scope and benefits of data center automation, and leaves the organization vulnerable to security blind spots and potential breaches.

The Solution

GigaVUE Cloud Suite for VMware supports virtualized environments and tight integration with orchestration tools to deliver intelligent network traffic visibility for workloads running exclusively within VMware or across on-premises, private cloud, public cloud, or hybrid environments. This eliminates blind spots, enables increased security and operational efficiency, and scales across an unlimited number of VMs.

GigaVUE Cloud Suite for VMware consists of three key functions:

- Traffic acquisition — Using either virtual TAPs or virtual V Series instances
- Traffic processing — Aggregation, optimization, and brokering of traffic to security and performance monitoring tools using either virtual V Series and/or GigaVUE HC Series physical appliances

- Traffic management — Centralized orchestration and management of traffic flows using GigaVUE-FM, with certified interoperability with multiple orchestration tool suites

Key Features

- Complete visibility into all data in motion within and across VMware instances
- Dynamically deploy and provision virtual V Series instances for VMware traffic acquisition, aggregation, optimization, and distribution
- Manage vis coupling between GigaVUE-FM and VMware-based orchestration tools
- Track vMotion and Live Migration across DSR and HA clusters
- Automatically identify applications and workloads, including custom and unauthorized applications

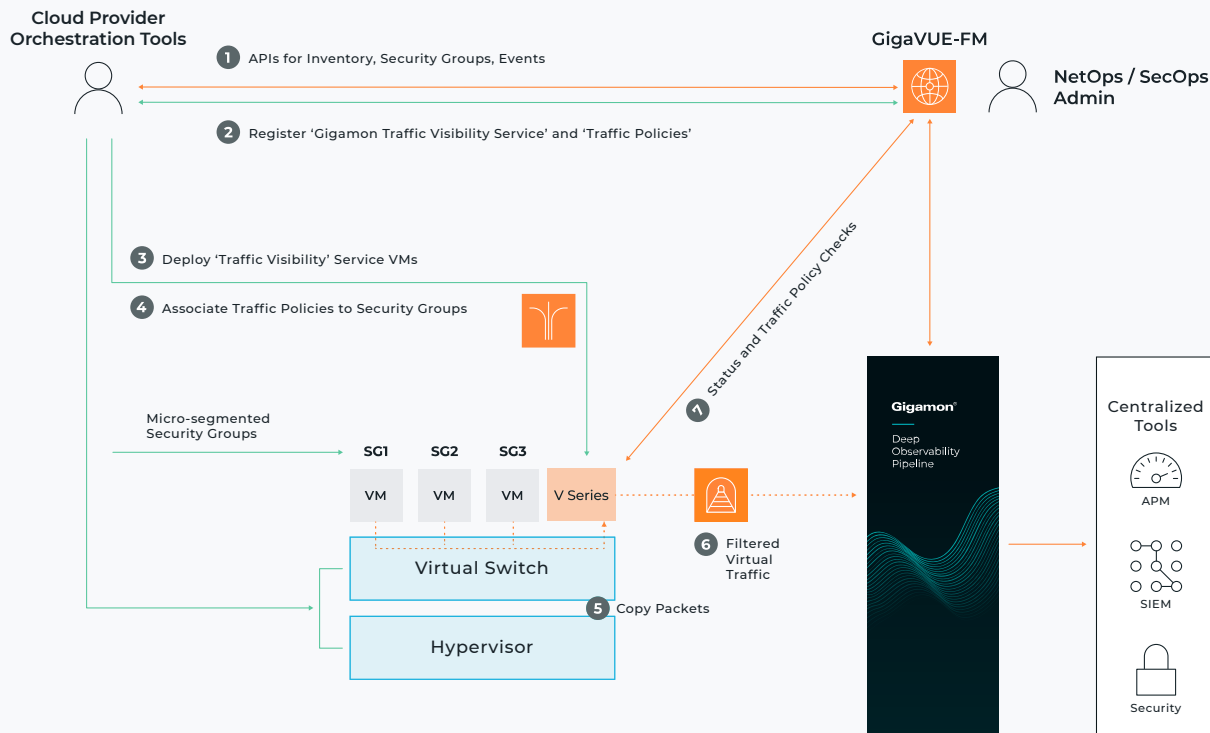


Figure 1. A seven-step process for provisioning, configuring, and monitoring VMware environments.

Key Benefits

- Complete visibility into all VMware and hybrid traffic through GigaVUE-FM fabric manager
- Full automation across virtualized infrastructure
- Automatically discover new workloads, ensure visibility, and adjust policies as needed
- Selectively filter and forward applications traffic to tools with contextual insights
- Reduce processing burden on tools by optimizing traffic to tools

Summary

Trusted by hundreds of VMware customers, GigaVUE Cloud Suite for VMware provides intelligent network traffic visibility for VMware workloads, including East-West and container traffic. API-level integration automatically deploys and scales a visibility tier in all required locations, collects aggregated traffic, and applies advanced intelligence before sending selected traffic to existing security tools. With the GigaVUE Cloud Suite platforms, organizations can obtain consistent insight into their VMware infrastructure or across multiple private cloud environments.

For more information on GigaVUE Cloud Suite for VMware, visit gigamon.com/partners/technology-partners.html#VMware

About Gigamon

Gigamon offers a deep observability pipeline that harnesses actionable network-level intelligence to amplify the power of observability tools. This powerful combination enables IT organizations to assure security and compliance governance, speed root-cause analysis of performance bottlenecks, and lower operational overhead associated with managing hybrid and multi-cloud IT infrastructures. The result: modern enterprises realize the full transformational promise of the cloud. Gigamon serves more than 4,000 customers worldwide, including over 80 percent of Fortune 100 enterprises, nine of the 10 largest mobile network providers, and hundreds of governments and educational organizations worldwide.

To learn more, please visit gigamon.com.

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