

GigaVUE Cloud Suite for Oracle Cloud Infrastructure

The Power of Deep Observability for your OCI Workloads



GigaVUE Cloud Suite™, a key component of the Gigamon Deep Observability Pipeline, is a fully Oracle Cloud Infrastructure-certified product that acquires and processes traffic from your OCI environments before distributing optimized network-based intelligence to the security, monitoring, and observability tools of your choice.

You get complete application, flow, and packet-level visibility into all data in motion running within your Oracle Cloud Infrastructure without having to invest in new tools.

GigaVUE Cloud Suite can be deployed in multiple public and private clouds. This data sheet describes the specific deployment with OCI, including integrations with many OCI services. The components for OCI are delivered through the OCI Marketplace, simplifying access to the software needed to deploy GigaVUE Cloud Suite in Oracle Cloud environments.

By extending your existing on-prem or cloud tools to monitor and secure your OCI workloads and applications, you can:

- **Ensure** a consistent security and compliance posture across hybrid and multi-cloud environments.
- **Eliminate** network blind spots, including East-West and container traffic, where threats can hide.
- **Lower** operational friction associated with cloud migration and the need to learn new tools and processes.
- **Accelerate** troubleshooting by going deeper than OCI native tools to identify exactly where, when, and how a network transaction occurred.

The Gigamon Deep Observability Pipeline goes even further by augmenting the capabilities of your current metrics, events, logs, and traces (MELT), or MELT-based SIEM, APM, and observability tools with actionable network-derived intelligence.

This powerful combination of network-based data and MELT helps NetOps, SecOps, and CloudOps teams speed issue resolution and root cause analysis. It also brings new security use cases to your current set of observability tools, such as detecting unauthorized activities like crypto mining or compliance risks such as expiring TLS certificates.

How Gigamon Works in Oracle Cloud Infrastructure

Traffic acquisition can be done through OCI native vTAPs, or GigaVUE® Universal Cloud Tap (UCT). Visibility is available for both virtual machine workloads and containerized workloads, including Oracle Kubernetes Engine (OKE) environments. OCI support includes the core GigaVUE Cloud Suite components needed for 3PO deployments, including GigaVUE V Series, UCT-V, UCT-C, controllers/proxy components, and GigaVUE-FM for centralized management and configuration. Best of all, there is minimal impact on resources and no need to implement individual tool agents just to get traffic to a specific tool.

Visibility is also available for workloads deployed in the Oracle Kubernetes Engine (OKE).

The Gigamon Deep Observability Pipeline acquires traffic in OCI Infrastructure-as-a-Service (IaaS), intelligently processes this data, and then sends optimized network traffic and/or application metadata to your security, monitoring, and observability tools.

GigaVUE-FM provides centralized management, registration, monitoring, and policy configuration for OCI deployments after components are deployed and registered. In Oracle Cloud Infrastructure, GigaVUE Cloud Suite follows a third-party orchestration (3PO) model: components are provisioned manually or by third-party automation tools such as Terraform and Ansible, rather than being deployed directly by GigaVUE-FM. This approach gives customers flexibility to align deployment with existing OCI operational models while preserving centralized visibility and control from GigaVUE-FM.

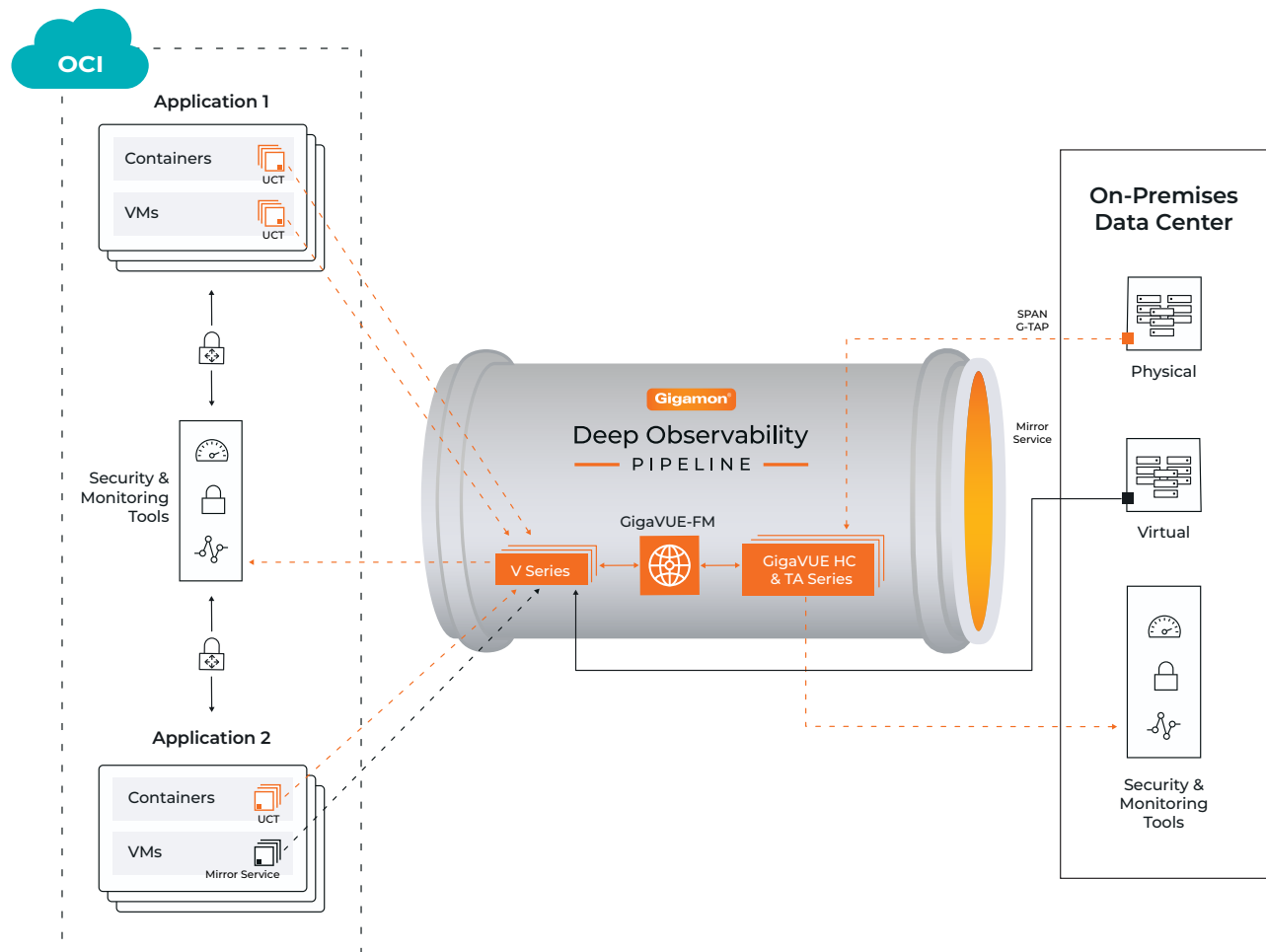


Figure 1. The Gigamon Deep Observability Pipeline acquires, processes, and forwards traffic within an OCI VCN.

Solution Highlights

STRENGTHEN SECURITY AND COMPLIANCE WITHIN OCI

- IT teams can use proven, familiar security tools to monitor OCI workloads.
- Gigamon Application Metadata Intelligence (AMI), generated from deep packet inspection, provides thousands of important application attributes to observability and SIEM tools.
- Gigamon Precryption® technology redefines security for applications running in OCI environments, delivering plaintext visibility of encrypted lateral traffic.

INCREASE TOOL EFFICIENCY AND EFFECTIVENESS

- Traffic intelligence features, such as Application Filtering Intelligence, Application Metadata Intelligence, Packet Slicing, Advanced Flow Slicing, De-duplication, and NetFlow generation, work to streamline traffic and reduce the burden on monitoring and security tools.

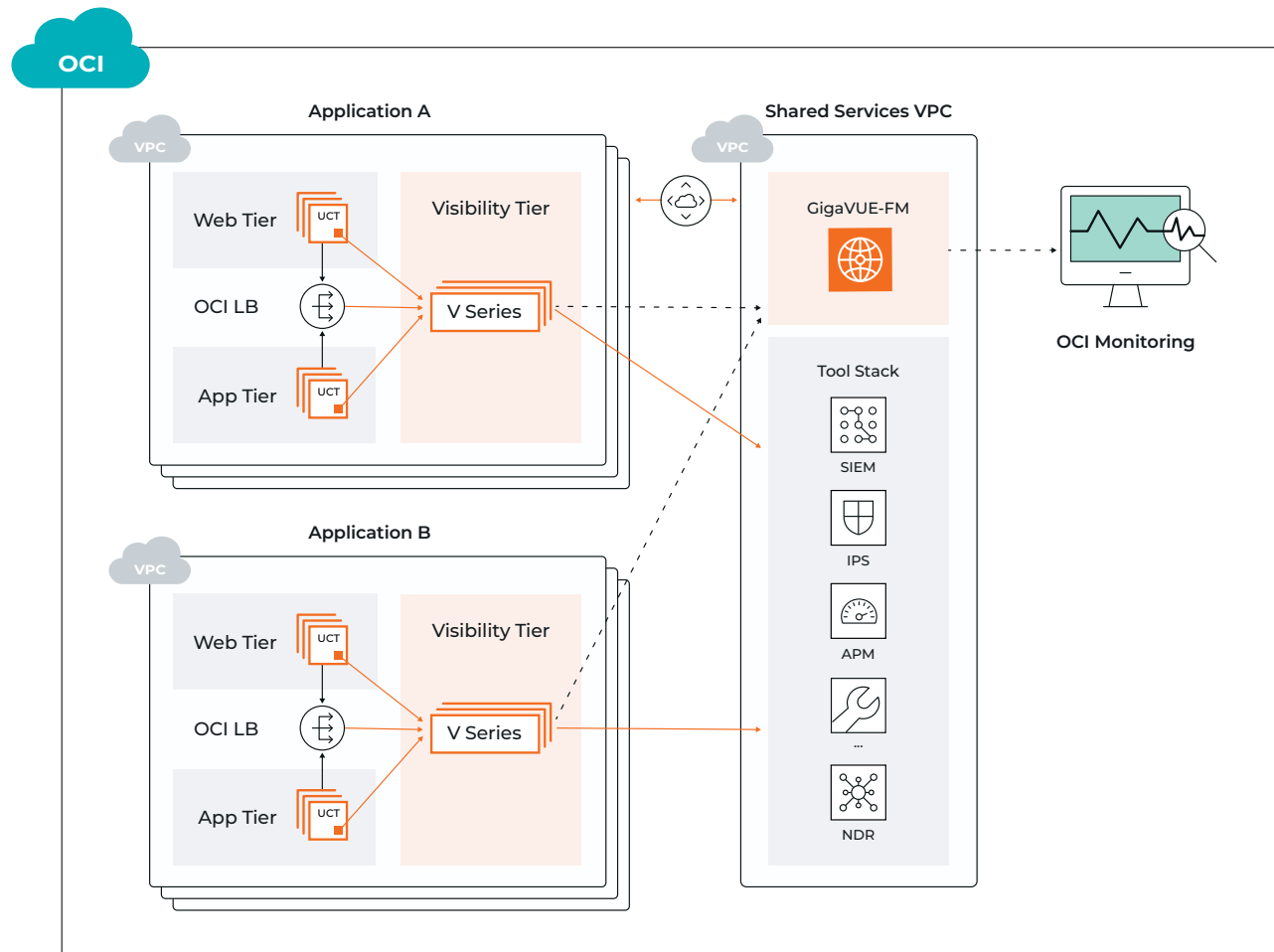


Figure 2. GigaVUE Cloud Suite acquires, processes, and forwards traffic across multiple OCI VCNs.

EASILY ACQUIRE TRAFFIC AND SCALE OBSERVABILITY

- GigaVUE Cloud Suite supports traffic acquisition from VMs or containers within OCI infrastructure using either OCI native vTAPs or lightweight and free GigaVUE UCT.
- Automatic Target Selection® enables dynamic discovery and monitoring of new workloads—without any manual action.
- Traffic steering and tool load-balancing techniques optimize traffic distribution across multiple tools to ensure high availability.

GET ORCHESTRATION AND MANAGEMENT

- GigaVUE-FM provides centralized configuration and management after deployed components register with the fabric manager.
- Customers can deploy GigaVUE V Series, UCT, and GigaVUE-FM manually or with third-party tools such as Ansible and Terraform.

GigaVUE Cloud Suite for OCI supports multiple VCNs and provides visibility across VM and container workloads using OCI native vTAP or GigaVUE UCT for traffic collection.

Components of GigaVUE Cloud Suite

GigaVUE Cloud Suite for OCI includes GigaVUE V Series for traffic aggregation, optimization, and distribution; GigaVUE UCT components for workload traffic acquisition; optional controller and proxy components for hybrid and multi-OCI deployment models; and GigaVUE-FM for centralized management, monitoring, and policy configuration. These components are supported for OCI under a third-party orchestration deployment model.

GIGAVUE UCT

GigaVUE UCT takes advantage of advanced Linux functionality to mirror production traffic and send it to a GigaVUE V Series node. This enhances performance and reduces resource impact in VM-based environments, makes it easier to tap VMs, and can be deployed manually or using third-party tools such as Ansible or Terraform.

GIGAVUE V SERIES

Visibility nodes deployed in OCI aggregate, replicate, and select traffic of interest, then optimize and distribute acquired traffic to multiple tools located in any VCN. Take advantage of Flow Mapping® and tool load-balancing functions to reduce the burden on tools.

GIGASMART APPLICATIONS

GigaSMART® applications, running on top of V Series, provide application and traffic intelligence, including Application Filtering Intelligence, Application Metadata Intelligence, Packet De-duplication, Adaptive Packet Filtering, and Packet Slicing and Masking.

GIGAVUE-FM

GigaVUE-FM fabric manager provides centralized management across all environments, including OCI, AWS, Azure, and GCP; private clouds such as Nutanix, OpenStack, and VMware; and on-prem physical infrastructure. Traffic policies for GigaVUE V Series are configured using a simple drag-and-drop user interface.

GIGAVUE UCT CONTROLLER AND GIGAVUE V SERIES PROXY (OPTIONAL)

For hybrid and multi-OCI deployments, GigaVUE uses a controller-based design to proxy the command-and-control APIs while preserving existing IP addressing schemes or Network Address Translation (NAT). The UCT Controller proxies commands from GigaVUE-FM to the UCT instances, while the GigaVUE V Series Proxy proxies commands from GigaVUE-FM to the GigaVUE V Series nodes.

For customers who wish to leverage programmability to manage GigaVUE V Series at scale, the GigaVUE V Series API Proxy Server can proxy commands from GigaVUE-FM to the GigaVUE V Series nodes across the OCI deployment.

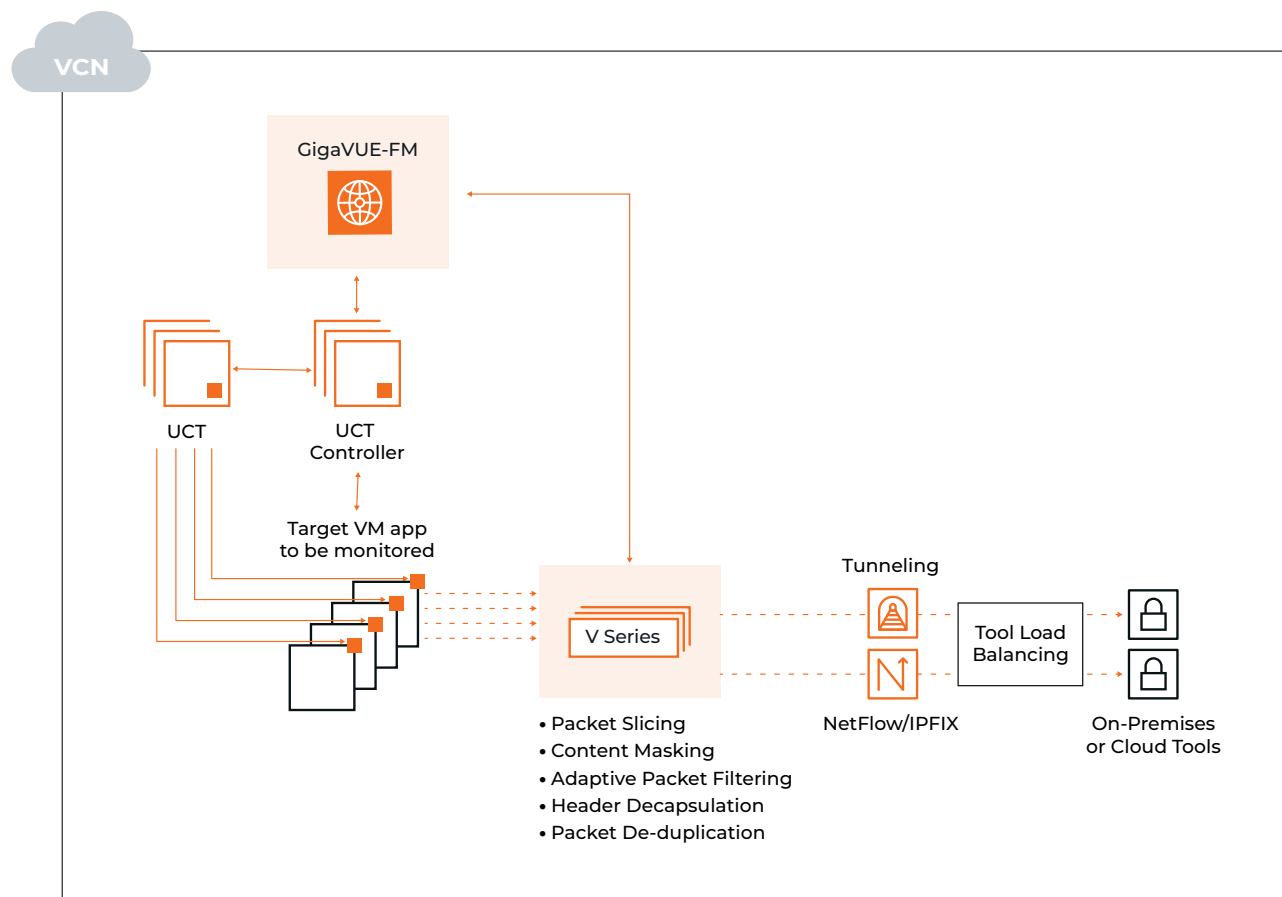


Figure 3. GigaVUE Cloud Suite for OCI is composed of GigaVUE V Series for optimization, transformation, and brokering, as well as GigaVUE-FM for management. For access to workload traffic, GigaVUE Cloud Suite also includes optional UCT and UCT Controller components, which can be used as an alternative method for workload traffic visibility in OCI.

KEY FEATURES AND BENEFITS

GigaVUE UCT Optional lightweight instances, available at no cost, mirror traffic and send it to GigaVUE V Series.	Simplified Traffic Mirroring If OCI native vTAP is not an option, deploy just one lightweight agent per OCI compute instance, rather than one per security tool, reducing impact on compute CPU utilization and operational overhead. Reduce Application Downtime No infrastructure redesign is needed to add new agents as applications or tools scale out in OCI. Scale What Is Being Monitored GigaVUE UCT scales with deployment policy as compute environments grow. For example, UCT-C can run on OKE to support scalable traffic visibility. Minimize Production Changes Use the production network interface or a separate network interface card (NIC) to mirror workload traffic. The separate NIC option allows IT to preserve application traffic policies.
GigaVUE V Series Visibility nodes aggregate, select, optimize, and distribute traffic. V Series nodes work seamlessly with Oracle Cloud Infrastructure management templates.	Traffic Brokering with Flow Mapping Acquire, aggregate, select, replicate, and distribute traffic. • Acquire traffic from multiple compute instances via GRE or VXLAN tunnels, using OCI native vTAP, UCT, or third-party sources. • Support tunnel-as-a-source to gather encapsulated traffic from other virtual TAPs. • Aggregate traffic from the various acquisition sources and replicate traffic to send to different tools. Select and Distribute Traffic • Select traffic of interest with a variety of Layer 2 through Layer 4 criteria policies and then forward it to specific tools. Criteria can include IP addresses and subnets, TCP and UDP ports, protocols, instance tags, and more. • Distribute selected traffic to multiple tools anywhere. Support for 5-tuple load balancing to tool instances improves tool deployment efficiency and eliminates the need for discrete load balancers. Traffic Intelligence: Transform, Optimize, and Obfuscate • Reduce traffic volume by removing duplicated packets, slicing superfluous content, and sampling packet flows to reduce tool overload and traffic backhaul. • Remove unwanted protocols by stripping specific headers and encapsulations to reduce tool overload. • Obfuscate confidential, private, or sensitive information by masking specific data to maintain compliance.

KEY FEATURES AND BENEFITS

GigaVUE-FM Centralized management.	Centralized Management - Centralized management and single-pane-of-glass visualization provide visibility across your entire infrastructure: physical, virtual, and cloud. - In OCI deployments, GigaVUE-FM manages the control plane and post-deployment configuration, including GigaVUE V Series configuration. Deployment and orchestration of V Series, UCT, Controller, and Proxy components can be performed manually or through third-party tools such as Ansible and Terraform. - Configure traffic policies for GigaVUE V Series in GigaVUE-FM after registration. A drag-and-drop user interface simplifies traffic policy definition. - GigaVUE-FM monitors heartbeat communications from all fabric elements to help ensure high availability and give detailed information on fabric health. - Software-Defined Networking constructs enable configuration of intelligent traffic policies. Automation - Open REST APIs published by GigaVUE-FM can be consumed by tools to dynamically adjust traffic received or configure new traffic policies. Topology View - Auto-discovery and end-to-end topology visualization provide insight into the visibility tier and compute instances.
Certifications¹	FIPS 140-3 - GigaVUE Cloud Suite: FIPS 140-3 Inside #5046 (FIPS 140-3 support first added in GigaVUE Cloud Suite 6.11.00) - GigaVUE-FM: FIPS 140-3 Inside #5081 (FIPS 140-3 support first added in GigaVUE-FM 6.11.01)

Minimum Requirements for GigaVUE Cloud Suite for OCI

SOLUTION COMPONENT	MINIMUM COMPUTE INSTANCE TYPE	DESCRIPTION
UCT	VM.Standard3.Flex	Linux: Available as an RPM or Debian package Windows: Available for Windows Server 2025
UCT Controller	UCT-V: VM.Standard3.Flex UCT-C: own pod	Command-and-Control component for the UCT instances
GigaVUE V Series Node	VM.Standard.E6.Flex (recommended) / VM.Optimized3.Flex (optional)	Requires minimum of two NICs NIC 1: Management NIC 2: Traffic acquisition and distribution NIC 3+: Optional additional data acquisition and distribution

Minimum Requirements for GigaVUE Cloud Suite for OCI

SOLUTION COMPONENT	MINIMUM COMPUTE INSTANCE TYPE	DESCRIPTION
GigaVUE V Series Proxy	VM.Standard3.Flex	Requires minimum of one NIC NIC 1: Management
GigaVUE-FM	VM.Standard3.Flex 50GB root disk 50GB data disk	GigaVUE-FM must be able to access both the controller instances for relaying the commands. GigaVUE-FM automatically spins up additional V Series nodes based on a pre-defined configuration in the user interface. For on-premises GigaVUE-FM requirements and ordering information, please refer to the GigaVUE-FM data sheet .

Based on the number of virtual TAP points, GigaVUE V Series nodes will be auto-launched by GigaVUE-FM.

Ordering Information, Renewals

GigaVUE Cloud Suite for OCI, with all solution components, can be purchased in the following way:

GigaVUE Cloud Suite for OCI uses a monthly term license, and pricing is based on total volume of traffic processed daily. Users can purchase directly from Gigamon or associated partners. Customers receive an unlimited number of components, such as UCT instances or V Series instances, at no additional charge.

PART NUMBER	DESCRIPTION
VBL-50T-BN-CORE	Monthly term license for CoreVUE software up to 50TB per day in V Series for cloud and virtual environments. Capabilities included: Advanced Tunneling, Slicing, Masking, Advanced Load Balancing. Minimum term is 12 months. Includes bundled Elite-Plus Support.

Note: Licenses are activated from GigaVUE-FM.

Support and Services

Gigamon offers a range of support and maintenance services.

For details regarding Gigamon Limited Warranty and its Product Support and Software Maintenance Programs, visit gigamon.com/support-and-services/overview-and-benefits.

About Gigamon

Gigamon® delivers an AI-powered Deep Observability Pipeline that provides network-derived telemetry to cloud, security, and observability tools. With AI-driven insights across packets, flows, and application metadata, organizations gain complete visibility into all data in motion to detect threats concealed in encrypted and lateral traffic, resolve network and application performance issues, and validate compliance while reducing operational cost and complexity. Gigamon is trusted by 4,000+ organizations, including 83 of the Fortune 100 and hundreds of public sector agencies and educational institutions.

Learn more at gigamon.com.



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