

# GigaVUE-FM

Centralized Orchestration and Management  
of Gigamon Visibility Nodes



Figure 1. GigaVUE-FM is available both as a physical (shown above) or virtual appliance

## Key Benefits

- Centrally manage, monitor and configure traffic policies for all Gigamon nodes
- Reduce the mean time to resolution (MTTR) of traffic hot spots for NetOps and SecOps teams with Auto-discovery of network topology
- Limit rights to specific roles based on the user's job function to lower risk exposure and prevent accidental changes with role-based access control (RBAC)
- Reduce MTTR by faster root cause analysis of a fault in the Visibility Fabric using Alarm Management
- Expedite and reduce manual effort for Visibility Fabric deployments via automation and bulk configuration management using Ansible Automation SDK

## Use Cases

- Centralized operations centers looking to configure, direct and control traffic from any network (public, private, hybrid cloud, on-premises data centers or service-provider networks) to security and monitoring tools for analysis
- Network security teams tasked with detecting, reacting and responding to emerging threats based on packet- or flow-based traffic analysis
- SecOps and NetOps teams tasked with monitoring and troubleshooting traffic hot spots with the help of the Gigamon Visibility Fabric

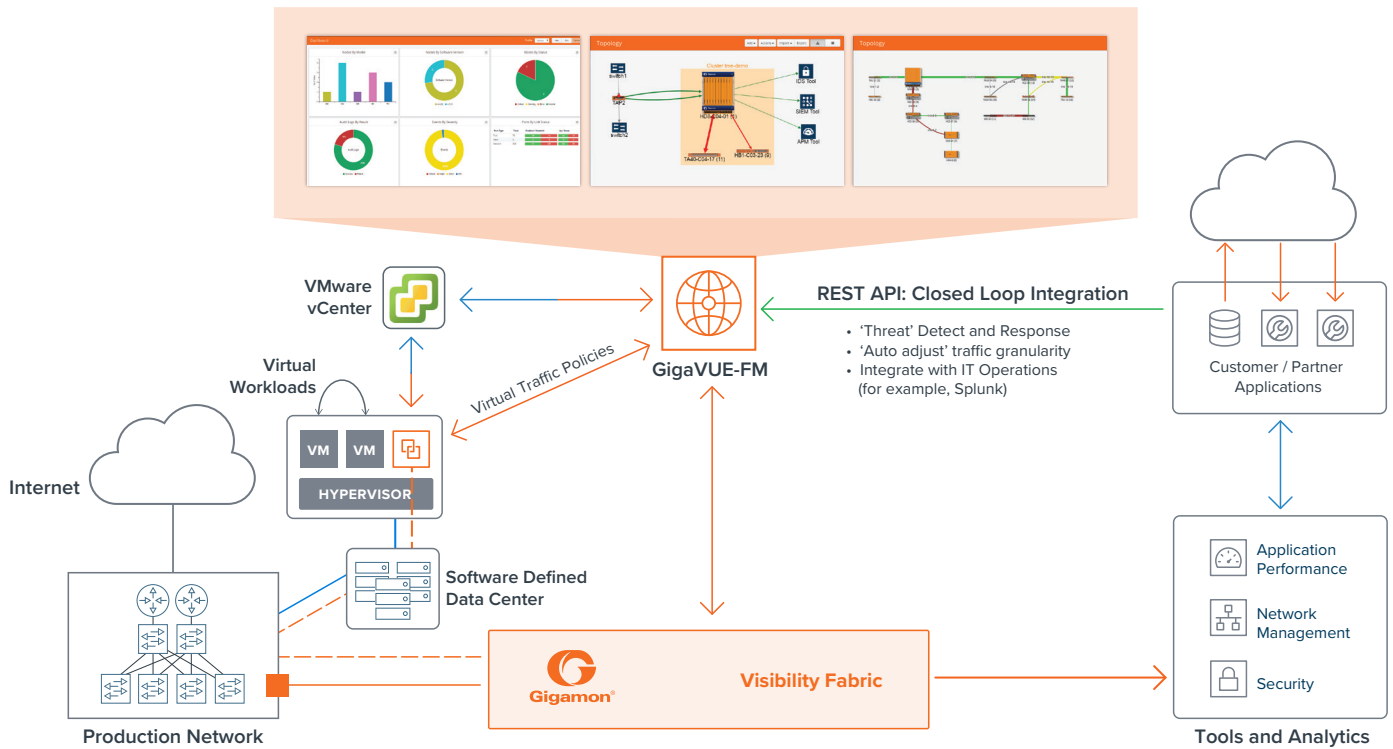


Figure 2. GigaVUE-FM manages all Gigamon visibility nodes, both physical (Gigamon Visibility Fabric) and virtual (V Series)

The Gigamon Visibility Fabric provides pervasive network visibility across physical, virtual and cloud infrastructure. It also delivers the right traffic to the appropriate security, network and application-performance tools. To manage it all, there's GigaVUE-FM. GigaVUE-FM delivers a single-pane-of-glass view of all physical and virtual Gigamon nodes across the Visibility Fabric. With GigaVUE-FM you get an easy-to-use GUI to orchestrate our patented Flow Mapping® traffic policies, visualize network topology connectivity and identify visibility hot spots.

A single instance of GigaVUE-FM can manage hundreds of Gigamon physical and virtual visibility nodes across multiple locations, data centers, and public and private clouds. GigaVUE-FM lets you scale seamlessly as the size and complexity of your networks grow.

GigaVUE-FM is available as a software-only virtual appliance for VMware NSX/ESX, Microsoft Hyper-V, KVM, Amazon Machine Image (AMI), Azure, OpenStack, Nutanix and containers (Kubernetes/Docker). It is also available as a hardware appliance for deployments where customers prefer a turnkey solution for management, or when the reach and scale of the Visibility Fabric needs dedicated compute capacity for management. The GigaVUE-FM software-only option is available at no charge for single physical node management and is also available as a trial for customers wishing to try deployments on-premises or in public, private or hybrid cloud environments.

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## Key Features and Benefits

Centralized management and control	GigaVUE-FM provides centralized management, monitoring and configuration of physical and virtual traffic policies for all Gigamon nodes. Administrators can better map and direct network traffic to security, network and application-performance monitoring tools.
GigaVUE-FM Tool View	Tool View facilitates tool capacity planning by: <ul style="list-style-type: none"> <li>• Ensuring the tool is optimally utilized</li> <li>• Empowering users to select the best tool to route network traffic based on resource availability</li> <li>• Tracking tool storage capacity and data wrap-around time</li> </ul>
Fabric Map	Fabric Map enables <a href="#">Flow Mapping</a> across <a href="#">clusters</a> to scale network visibility across hundreds of nodes.
Role Based Access Control (RBAC)	Assign users to specific roles based on their function to increase security and prevent unauthorized changes
Alarm management	Reduce Mean Time to Resolution (MTTR) by providing root cause of a fault in the fabric
Ansible – Automation SDK	Enable fabric automation and bulk configurations, reducing the overall time for fabric deployments
Network-Wide reporting	Summarization and customization of dashboards for inventory, node/cluster status, events and audit trail with options to export and schedule HTML/PDF reports for offline viewing.
Gigamon Visibility App for Splunk	Enables integration of the Gigamon Visibility Fabric inventory, health, port and traffic insights into Splunk Enterprise for correlation and analysis.
Grouping of visibility nodes	Provides grouping of visibility nodes by categories, like sites, data centers and locations for hierarchical management and monitoring.
License Manager	Facilitates viewing and assigning of <a href="#">GigaSMART®</a> application licenses to the Gigamon Visibility Fabric, and floating licenses between duplicate HC Series nodes..
Programmable APIs for software-defined visibility	Empowers traffic monitoring or IT operation-management tools to use RESTful APIs to discover the nodes for inventory and status collection.
<a href="#">FabricVue</a> Traffic Analyzer	Provides IT administrators a high-level dashboard of network visualization to identify Top-N conversations, applications, end points and protocols.  Uses NetFlow/IPFIX/CEF records from Gigamon visibility nodes to collect and analyze network traffic including: <ul style="list-style-type: none"> <li>• Detect traffic being filtered out of the monitoring appliances</li> <li>• Identify any hot spots on new traffic that needs to be forwarded to the monitoring tools</li> </ul>
Scheduling capabilities	GigaVUE-FM scheduling capabilities automate functionality including: <ul style="list-style-type: none"> <li>• Scheduling of firmware version updates to one or many visibility nodes</li> <li>• Scheduling of visibility node configuration backups that allow you to restore a good baseline if inadvertent changes are applied</li> </ul>

## Hypervisor Requirements for Software Edition

REQUIREMENT	DESCRIPTION
Hypervisor	<ul style="list-style-type: none"> <li>VMware vSphere 5.0 and above</li> <li>Microsoft Hyper-V (Windows Server 2008 R2 SP1 and later, 2012 R2 and later)</li> <li>KVM hypervisor</li> </ul>
CPU	20% to 80%, non-condensing
RAM	-4.F to 158.F (-20.C to 70.C)
Disk space	15% to 85%, non-condensing
Network	Up to 15,000 ft (4.57km)

## Virtual Computing Requirements for GigaVUE-FM Software Edition

REQUIREMENT	DESCRIPTION
Memory	Minimum 4GB memory (at least 16GB, if using FabricVUE Traffic Analyzer)
Virtual CPU (VCPU)	One (1) (at least 4 vCPU, if using FabricVUE Traffic Analyzer)
Virtual storage for OS	60GB using Virtual IDE (100GB+ if using FabricVUE Traffic Analyzer)
Virtual network interfaces	1 vNIC

## Computing Requirements and Supported Limits for FabricVUE Traffic Analyzer

REQUIREMENT	VIRTUAL APPLIANCE			HARDWARE APPLIANCE			
	4 vCPU	8 vCPU	12 vCPU	12 vCPU (Dual 6 Core)	16GB	32GB	64GB
CPU	4 vCPU	8 vCPU	12 vCPU	12 vCPU (Dual 6 Core)	16GB	32GB	64GB
RAM	16GB	32GB	64GB	16GB	32GB	64GB	
Flows per second (FPS)	4K	8K	15K	5K	10K	20K	

## Hardware Appliance Product Specifications

FEATURE	DESCRIPTION
Rack mounting	<ul style="list-style-type: none"> <li>• 1 rack unit (1RU)</li> <li>• Tool-less mounting in 4-post racks with square or unthreaded round holes</li> <li>• Tooled mounting in 4-post threaded hole racks</li> <li>• Cable management arm</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>• Height: 1.68 in. (42.8 mm)</li> <li>• Width: 18.99 in. (482.4 mm)</li> <li>• Depth: 23.9 in. (607 mm)</li> </ul>
Weight	19.9 kg (43.87 lbs))
Operating system	GigaVUE-FM OS (Gigamon appliance-hardened Linux)
Processor	Dual Intel Xeon E5-2603 v3 1.6GHz,15M cache, 6C/6T
Memory	16GB RAM (expandable up to 384GB RAM)
Storage	<ul style="list-style-type: none"> <li>• OS: 2 x 120GB SSD SATA Boot MLC 6Gb 2.5in Hot-plug Drive (RAID1)</li> <li>• Data: 2 x 1TB 7.2K RPM self-encrypting NLSAS 6Gb 2.5 in. hot-plug hard drive, FIPS140-2 (RAID1)</li> </ul>
Systems management	<ul style="list-style-type: none"> <li>• IPMI 2.0 compliant</li> <li>• iDRAC8 Enterprise with dedicated 10/100/1000 BaseT network connection</li> </ul>
Application management	<ul style="list-style-type: none"> <li>• 10/100/1000 BaseT LAN</li> <li>• Serial console (115,200 baud)</li> </ul>
Power supply	<ul style="list-style-type: none"> <li>• Dual, hot-plug, redundant power supply (1+1)</li> <li>• 550W (Platinum) AC (100–240V, 50/60Hz, 7.4A-3.7A)</li> </ul>
Heat dissipation	2107 BTU/hr
Temperature	<ul style="list-style-type: none"> <li>• Operating: 10° to 35° C (50° to 95° F)</li> <li>• Storage: -40° to 65° C (-40° to 149° F)</li> </ul>
Maximum altitude	<ul style="list-style-type: none"> <li>• Operating: 3048 m (10,000 feet)</li> <li>• Storage: 12,000 m (39,370 feet)</li> </ul>
Connectors	<p>Back</p> <ul style="list-style-type: none"> <li>• Four 10/100/1000Mbps LOM</li> <li>• One 10/100/1000Mbps iDRAC8 Enterprise</li> <li>• One DB9 serial</li> <li>• One USB 3.0, one USB 2.0</li> <li>• One DB15 VGA</li> </ul> <p>Front</p> <ul style="list-style-type: none"> <li>• Two USB 2.0 (disabled in BIOS)</li> <li>• One DB15 VGA</li> </ul>

## Compliance

TYPE	DESCRIPTION
Safety	IEC 60950-1 IT equipment; EN 60950-1 IT equipment
Emissions	FCC Part 15, Class A; EN55022/CISPR-22 Class A; CISPR 24; GOST Russia; CE Mark EN 5502 Class A; Industry Canada ICES-003 Class A; EN 55024; KCC Korea, CCC China
Environmental	RoHS Directive 2011/65/EU; WEE; Global ENERGY STAR 2.0; Nordic NEMKO; REACH Directive; CECP China

## Ordering Information

PART NUMBER	DESCRIPTION
GFM-FM001	GigaVUE-FM free edition that manages one Physical Visibility Fabric Node
GFM-FM005	GigaVUE-FM 5-Pack Software Edition, supports up to five GigaVUE Physical Nodes
GFM-FM010	GigaVUE-FM 10-Pack Software Edition, supports up to ten GigaVUE Physical Nodes
GFM-FM000	GigaVUE-FM Prime Software Edition, supports up to 200 GigaVUE Physical Nodes, includes Feature add-ons
GFM-UPG-510	GigaVUE-FM Upgrade from 5-Pack to the 10-Pack Software Edition
GFM-UPG-5P	GigaVUE-FM Upgrade from 5-Pack to the Prime Software Edition
GFM-HWO-FM010	GigaVUE-FM Hardware Appliance, manages up to ten Physical Visibility Fabric Nodes
GFM-UPG-10P	GigaVUE-FM Upgrade from 10-Pack to the Prime Edition (Software and Hardware Appliance)
GFM-FM-FTA	GigaVUE-FM Feature Add-On for FabricVUE Traffic Analyzer

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## Support and Services

Gigamon offers a range of support and maintenance services. For details regarding Gigamon's Limited Warranty and its Product Support and Software Maintenance Programs, visit [www.gigamon.com/support-and-services/overview-and-benefits](http://www.gigamon.com/support-and-services/overview-and-benefits).

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## More Information

For more information about Gigamon or to contact your local representative, please visit [www.gigamon.com](http://www.gigamon.com).