



Product Brief

GigaVUE-OS



Product Description

GigaVUE-OS™ is the operating system software that powers the core and edge nodes in Gigamon's Unified Visibility Fabric™ architecture. Proven in the most demanding environments in both Fortune 100 enterprises and large service providers, GigaVUE-OS provides the reliability required to help ensure accurate visibility into infrastructure blind spots in mission-critical deployments. Built on a Linux kernel, GigaVUE-OS contains key capabilities that allow administrators to rapidly select traffic flows of interest and apply advanced traffic intelligence using GigaSMART™ applications.

The core operating system in GigaVUE-OS provides key fabric services that are essential to gaining Active Visibility into infrastructure blind spots. Some examples of these fabric services include Flow Mapping®, clustering, GigaSTREAM™, automatic network discovery and inline bypass¹.

A foundational fabric service is the ability to select traffic flows of interest using Gigamon's patented Flow Mapping mechanism. Flow Mapping takes line-rate traffic at 1Gb, 10Gb, 40Gb, or 100Gb from a network TAP or a SPAN/mirror port (physical or virtual) and sends it through a set of user-defined map rules to the tools and applications that secure, monitor, and analyze the IT infrastructure.

Clustering allows multiple heterogeneous nodes with different underlying hardware capabilities running GigaVUE-OS to be managed as a single logical unit. This unique fabric service allows advanced capabilities in GigaSMART applications to be accessed anywhere within the logical unit even if, for example, traffic arrives on a unit in the cluster that does not have hardware resources natively within that unit.

In addition to Gigamon hardware, GigaVUE-OS is also available on select white box hardware. This allows the rich fabric services offered by GigaVUE-OS to be extended further into white box deployments. The operating system also provides the necessary APIs to integrate with GigaVUE-FM, the fabric manager for the entire Visibility Fabric. GigaVUE-FM provides a user-friendly interface and a single pane-of-glass view to seamlessly manage all GigaVUE-OS nodes in a Gigamon Visibility Fabric deployment that could either be Gigamon hardware or certified white box hardware. The breadth of the Visibility Fabric portfolio coupled with the feature richness of GigaVUE-OS allows operators to get the best of reach, scale, cost, and intelligence with a common software and operational model across the entire visibility infrastructure.

Features & Benefits

- **Modular, portable operating system based on Linux:** Offers rich fabric services
- **Patented Flow Mapping® technology:** Select traffic flows of interest with precision
- **Clustering:** Combines multiple heterogeneous devices and manage as one logical node. Allows utilization of capabilities of other nodes within the cluster
- **Portable Design:** Scales from commodity white box hardware to intelligent, core nodes
- **Multiple Management Methods:** Fabric Manager, Web-based interface (H-VUE), SNMP and CLI

Use Cases

- Replicate and/or distribute traffic across multiple NPM, APM, security and CEM tools based on a programmable rule engine
- Combine core capabilities in GigaVUE-OS™ with GigaSMART® traffic intelligence to maximize performance and ROI from tools
- Create a Security Delivery Platform that enables the deployment of inline, out-of-band, and flow-based tools across the network infrastructure

¹Inline Bypass requires the GigaVUE-HC2 chassis