PRODUCT BRIEF

GigaVUE-OS

Features and Benefits

- **Modular, portable operating system based on Linux:** Offers a rich set of network visibility, management and data delivery services
- **Patented Flow Mapping® technology:** Select traffic flows of interest with precision
- **Clustering:** Combines multiple heterogeneous devices that can be managed as one logical node. Allows utilization of capabilities of other nodes within the cluster
- **Fabric Maps:** Enable Flow Mapping across clusters to scale network visibility to hundreds of nodes
- **Portable Design:** Scales from commodity white box hardware to intelligent, dedicated visibility nodes
- **Multiple Management Methods:** GigaVUE-FM (Fabric Manager), Web-based interface (H-VUE), SNMP and CLI

Proven, Extensible Operating System for the Security Delivery Platform

GigaVUE-OS™ is the operating system software that powers the Security Delivery Platform that enables IT Operations teams to effectively and consistently manage, secure and control the data traversing their expanding networks. 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 hardened 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 services and capabilities that are essential to gaining pervasive visibility into infrastructure blind spots. Some examples of these capabilities include Flow Mapping®, clustering, GigaStream load balancing, automatic network discovery and inline bypass[1].

A foundational service is the ability to select traffic flows of interest using the patented Flow Mapping mechanism from Gigamon. Flow Mapping takes line-rate traffic at 1Gb, 10Gb, 25Gb, 40Gb, or 100Gb from various sources – such as visibility nodes, network taps, virtual taps, and SPAN ports across physical, virtual and cloud networks – 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 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 it. Fabric Maps enable Flow Mapping across clusters to scale visibility across hundreds of nodes.

In addition to Gigamon hardware, GigaVUE-OS is also available on select white box hardware. This allows the rich visibility 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 centralized management and orchestration console for the entire visibility network.

[1]Inline Bypass requires one of the GIgaVUE HC Series chassis

Use Cases

- Replicate and/or distribute traffic across multiple network monitoring and security 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 effective deployment of inline, out-ofband, and flow-based tools across the network

Gigamon®

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