



The Challenge of Today's Zero-Day Threats

Today's cyber attacks have changed radically and are targeted to get something valuable—sensitive personal information, intellectual property, authentication credentials, insider information. Each attack is multi-staged with steps to get in, to signal back out of the compromised network, spread laterally, and to get valuables out. It is not enough to simply put up a firewall or intrusion prevention system because these legacy solutions cannot stop advanced persistent threat (APT) attacks.

A robust solution includes comprehensive visibility into every area of the network and all traffic to protect valuable assets, keep malware away, and ensure security tools are used to their full advantage. The right solution requires flexibility to deploy wherever it is required, inline or out of band, for optimal threat protection.

Key Benefits

- **Comprehensive Visibility**
The combination of signature-less threat protection using a virtualized detection engine with traffic visibility provides a thorough and robust threat defense
- **Automated Protection**
Protection against today's new breed of cyber attacks across all major threat vectors ensures network and resources remain safe
- **Lower Total Cost of Ownership**
Load balancing and distribution capabilities help ensure thorough traffic analysis and optimal device performance and longevity
- **Auto-remediation**
Removes or isolates threats for analysis before they can do harm

The Gigamon and FireEye Joint Solution

FireEye and Gigamon have collaborated to create a solution that provides real-time threat protection against modern attacks offering the most flexible deployment options coupled with robust performance. The combination of the FireEye platform and the Gigamon® Visibility Fabric™ architecture ensures all traffic is analyzed and threats are detected in real time, allowing administrators to quarantine or delete harmful data before it gets inside the network.

The Visibility Fabric architecture delivers pervasive and dynamic traffic visibility from across the physical and virtual network environments to centralized tools that manage, analyze and secure the network. This approach can extend the network reach of the tools to significantly improve return on investment, allow organizations to more efficiently manage and secure their network, and provide a solution that can quickly evolve and scale as network needs change.

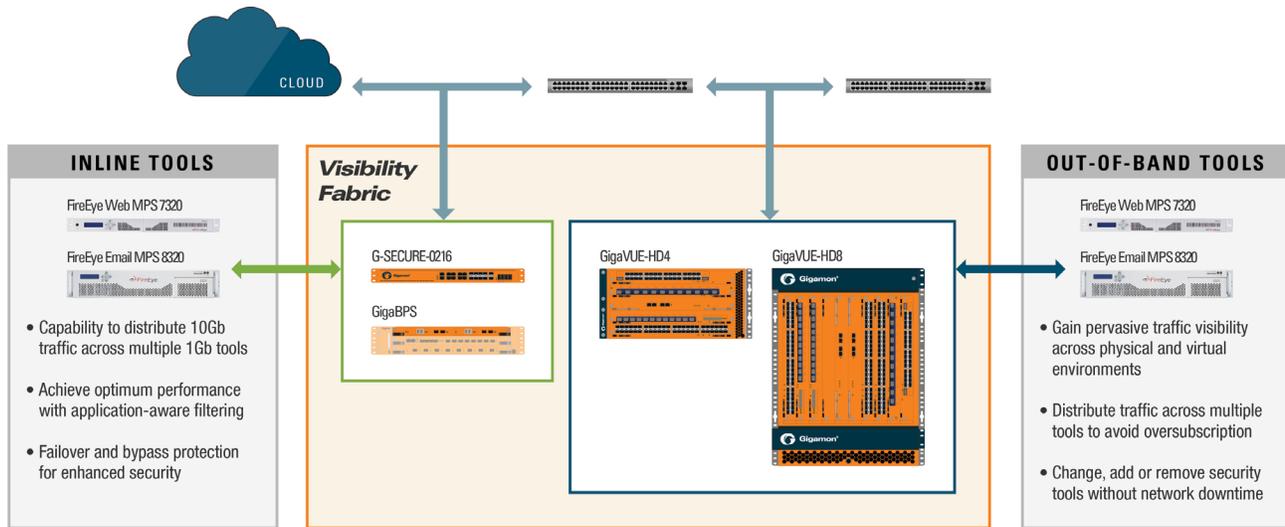
The FireEye platform is a new model of security against today's new breed of cyber attacks. It forms a cross-enterprise threat protection fabric that dynamically stops attacks in real time. The FireEye platform features a signature-less, virtualized detection engine, a cloud-based threat intelligence network, and partner interoperability APIs, which help organizations protect their assets across Web, email, mobile, and file-based attack vectors.

How the Joint Solution Works

Gigamon's Visibility Fabric architecture provides an additional layer of visibility and traffic mirroring to 1Gb and 10Gb tools for comprehensive analysis and protection. Deployed out-of-band, the GigaVUE® fabric node aggregates, filters and replicates traffic flows, sending a copy of the relevant production traffic across multiple FireEye appliances deployed in monitor-only mode. Using Gigamon's patented Flow Mapping® technology, data can be directed to any number of FireEye appliances at line rate with no data loss.

With the Gigamon G-SECURE-0216 deployed inline, a 10Gb data stream flow can be distributed to up to eight 1Gb inline FireEye appliances, ensuring performance and availability of each device. The G-SECURE-0216 takes this live, production traffic and re-routes it to the inline FireEye appliances which are in active mode, ready to take action (quarantine, block, etc.). The G-SECURE-0216 also offers passive bypass protection for FireEye appliances, so in the event of failure or power outage, network connectivity and uptime can be maintained. Customizable heartbeat packets can be sent to inline FireEye appliances to monitor for availability.

With GigaStream™, Gigamon's unique trunking technology, incoming traffic flows can be load balanced and distributed across multiple FireEye appliances, for thorough traffic analysis and optimal device performance and longevity.



About FireEye

Cyber attacks have become extremely sophisticated and the majority of enterprise networks are compromised despite traditional signature-based defenses, such as next-generation firewalls, IPS, anti-virus, and gateways. The FireEye platform supplements these legacy defenses with a new model of security to stop today's new breed of cyber attacks.

The FireEye platform features the Multi-Vector Virtual Execution (MVX) engine, a next-generation detection technology to stop cyber attacks without signatures, and the Dynamic Threat Intelligence (DTI) cloud, which provides real-time sharing of threat intelligence. Using Web services APIs, the FireEye platform forms the core of an integrated defense-in-depth architecture with a broad ecosystem of more than two dozen technology alliance partners that secures all major threat vectors and maximizes the ROI from existing security investments. The FireEye platform is deployed in over 40 countries and more than 1,000 customers and partners, including over 25 percent of the Fortune 100.

About Gigamon

Gigamon provides an intelligent Visibility Fabric architecture to enable the management of increasingly complex networks. Gigamon technology empowers infrastructure architects, managers and operators with pervasive visibility and control of traffic across both physical and virtual environments without affecting the performance or stability of the production network. Through patented technologies, centralized management and a portfolio of high availability and high-density fabric nodes, network traffic is intelligently delivered to management, monitoring and security systems. Gigamon solutions have been deployed globally across enterprise, data centers and service providers, including over half of the Fortune 100 and many government and federal agencies.

Learn More

For more information on the FireEye and Gigamon solution, contact:



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