



Joint Solution Brief

Pervasive Visibility Enabling Pervasive Security with Fortinet and Gigamon

The Challenge

With an ever-growing reliance of businesses on increasingly complex networks, enterprises need security solutions that protect and continuously monitor the broad extent of their disparate infrastructure.

Integrated Solution

The Fortinet Security Fabric and the Gigamon GigaSECURE® Security Delivery Platform provide the pervasive, scalable, high-performance security solution needed to address the demands of today's business world. The award-winning FortiGate® network security platform has solutions for the core, the edge and access. Coupling these solutions with the GigaSECURE Security Delivery Platform gives the confidence that all traffic from anywhere in the network can be inspected in a timely and efficient manner.

Joint Solution Benefits

- Proven protection of assets and users, without limiting the speed or capacity of network operations.
- Protection from threats, even if they are in encrypted traffic.
- Highly resilient and operationally robust deployment that minimizes planned and unplanned service outages.
- The ability to maximize protection while achieving maximum efficiency from deployed assets.
- The ability to leverage Global Threat Intelligence with Fortinet FortiGuard Security Subscription Services to protect individual customers.

Introduction

With breaches occurring across many of today's complex, distributed networks, organizations must design their security architectures not only for prevention, but also for ongoing detection and segmentation to identify, fight and contain threats that do appear. This means having a combination of technologies that can identify and address threats, coupled with visibility and resilience within the design that helps ensure problems are seen wherever and whenever they occur.

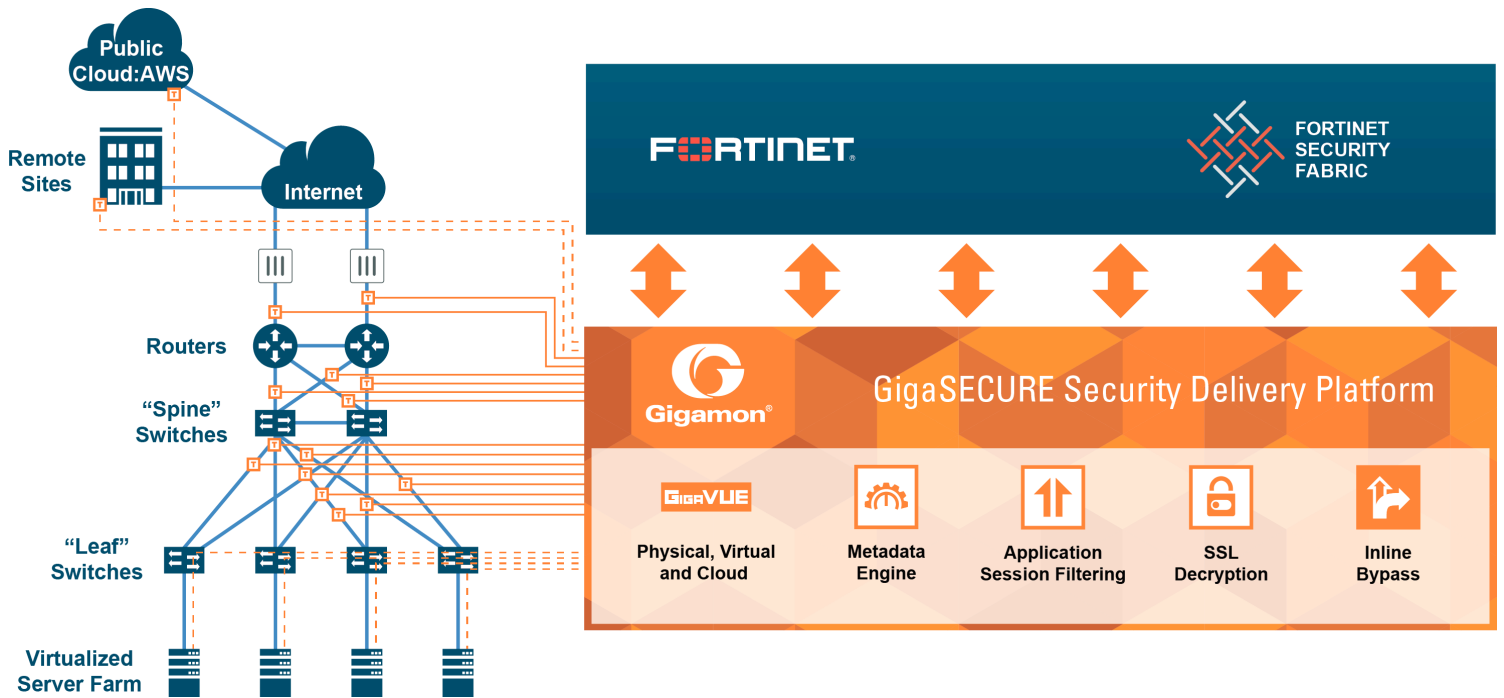
The Gigamon and Fortinet Joint Solution

The Fortinet award-winning next-generation firewalls (NGFWs) provide high-performance, consolidated security for end-to-end protection across the entire network. Through awareness of applications, users and content within network traffic, FortiGate NGFWs offer comprehensive protection against known and unknown threats – such as ransomware, malicious botnets, zero-day and encrypted malware. They offer scalable throughput of advanced security services, flexible network interfaces and performance based on powerful Fortinet security processors. The FortiOS operating system helps ensure superior price, performance and security efficacy.

The GigaSECURE Security Delivery Platform is a great match for the FortiGate devices. The GigaBPS module provides bypass protection to the NGFWs. The module leverages two levels of bypass protection: physical and logical. Physical bypass preserves network traffic in the event of a power outage. Logical bypass protects against planned or unplanned inline tool events that could disrupt network traffic. Bidirectional heartbeats monitor the health of the inline tool and in the event of a loss of link or loss of heartbeat, the GigaSECURE Security Delivery Platform will bypass traffic around the failing tool. Alternatively, the platform can bring down the network link and route the traffic to a redundant network path.

In addition to the above, deploying FortiGate and the GigaSECURE Security Delivery Platform together has the following benefits:

- **Traffic distribution for load sharing.** Improve the scalability of inline security by distributing the traffic across multiple FortiGate NGFW appliances, allowing them to share the load and inspect more traffic; matching traffic volumes to the scale and number of security appliances deployed rather than having to match the number of network links protected.



- **Agile deployment.** Add, remove or upgrade FortiGate NGFW appliances without disrupting network traffic; converting FortiGate NGFW appliances from out-of-band monitoring to inline inspection on the fly without rewiring. Devices can be moved inline automatically or at the touch of a button, without a network outage.

Learn More

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

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