

SOLUTION BRIEF

# Fortinet and Gigamon Security Solution

## Pervasive Visibility Enabling Pervasive Security With Fortinet and Gigamon

### Executive Summary

Fortinet's award-winning FortiGate next-generation firewalls (NGFWs) provide top-rated protection, high performance, and advanced security services such as secure sockets layer (SSL) inspection and ultralow latency for protecting mission-critical environments. 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. As an integral part of the Fortinet Security Fabric, the FortiGate NGFWs can communicate within Fortinet's comprehensive security portfolio as well as third-party security solutions to share threat intelligence and improve security posture.

The Gigamon Visibility and Analytics Fabric is a great match for the FortiGate firewalls. The GigaSMART Inline Bypass 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 Gigamon Visibility and Analytics Fabric 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.

### Joint Solution Description

The Fortinet Security Fabric and the Gigamon Visibility and Analytics Fabric 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 Gigamon platform gives the confidence that all traffic from anywhere in the network can be inspected in a timely and efficient manner.

### Joint Solution Components

- Fortinet FortiGate Next-generation Firewall (NGFW)
- Gigamon Visibility and Analytics Fabric

### 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
- Maximize protection while achieving maximum efficiency from deployed assets
- Leverage global threat intelligence with Fortinet FortiGuard Security Subscription Services to protect individual customers



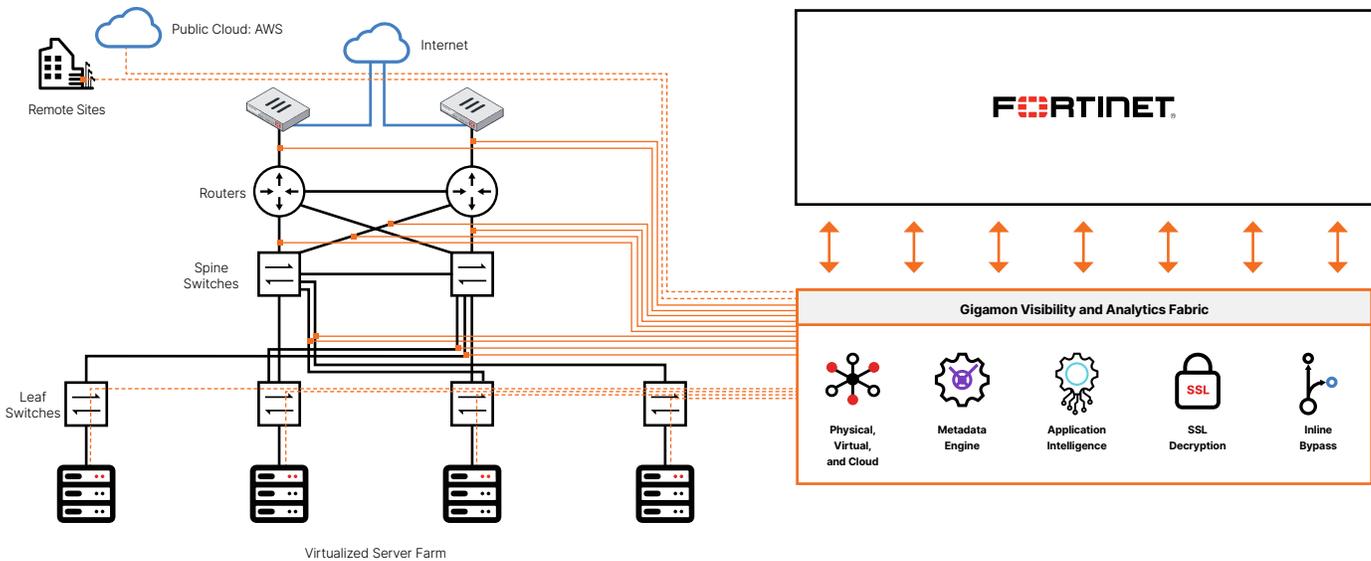


Figure 1: Joint solution comprised of FortiGate and Gigamon Visibility and Analytics Fabrics.

## Use Cases

**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.

**Visibility into all your data.** Gain visibility, insight, and control on all the traffic in motion on your network. Understand what applications are on your network, use filtering to eliminate unnecessary tools traffic, and gain insight into application and user behavior with Fortinet Security Fabric and Gigamon Application Intelligence.

**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.

## About Gigamon

Gigamon is the first company to deliver unified network visibility and analytics on all data-in-transit, from raw packets to apps, across physical, virtual and cloud infrastructure. We aggregate, transform and analyze network traffic to solve for critical performance and security needs, including rapid threat detection and response, freeing your organization to drive digital innovation. In short, we enable you to run fast, stay secure and innovate. Gigamon has been awarded over 75 technology patents and enjoys industry-leading customer satisfaction with more than 3,000 organizations, including 80 percent of the Fortune 100. Headquartered in Silicon Valley, Gigamon operates globally. For the full story on how Gigamon can help you, please visit [www.gigamon.com](http://www.gigamon.com).

