

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 Deep Observability Pipeline 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 Deep Observability Pipeline 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 Deep Observability Pipeline 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 this solution with Gigamon provides IT and security teams with the confidence that all network traffic, regardless of whether it is from on-premises, public or private cloud workloads, can be inspected in a timely and efficient manner.

Joint Solution Components

- Fortinet FortiGate Next-generation Firewall (NGFW)
- Gigamon Deep Observability Pipeline

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



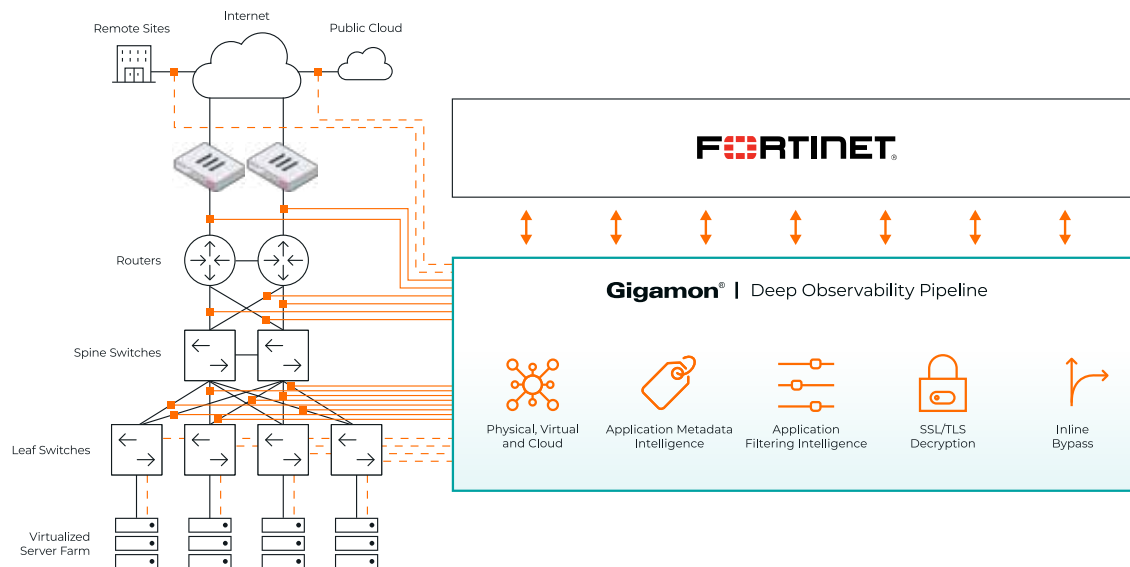


Figure 1: Joint solution comprised of FortiGate and Gigamon Deep Observability Pipeline.

Use Cases

Traffic distribution for load sharing. Improve the scalability of inline security by distributing the traffic across multiple 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® offers a deep observability pipeline that harnesses actionable network-level intelligence to amplify the power of observability tools. This powerful combination helps enable IT organizations to assure security and compliance governance, speed root-cause analysis of performance bottlenecks, and lower operational overhead associated with managing hybrid and multi-cloud IT infrastructure. The result: modern enterprises realize the full transformational promise of the cloud. Gigamon serves more than 4,000 customers worldwide, including over 80 percent of Fortune 100 enterprises, 9 of the 10 largest mobile network providers, and hundreds of governments and educational organizations worldwide. To learn more, please visit gigamon.com.



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