

The Challenge

To secure today's networks, you need to apply the latest technologies and security intelligence to all traffic flowing over the network. This is no easy task as networks expand in geographic reach and capacity faster than the security technology available.

The Solution

The Gigamon Visibility and Analytics Fabric (VAF) and Cisco Firepower offer a combined solution that meets today's active inline security needs. Cisco helps ensure market leading security technology and intelligence are available while Gigamon provides efficient and resilient access to the traffic it needs to protect. Security teams can rely on the joint solution to protect their environment while network operation teams are confident that network operations and the business they support are uninterrupted and well managed.

Joint Solution Benefits

- Provides pervasive Next-Gen Firewall protection including Application Visibility and Control (AVC), Next-Gen IPS (NGIPS), Advanced Malware Protection (AMP) and URL Filtering.
- Physical, virtual and cloud visibility helps ensure any network traffic can be inspected.
- Aggregation, load balancing and advanced filtering help maximize the efficiency of the deployed Firepower devices. Network upgrades don't require tool upgrades.
- Separate traffic volume and network speed from tool capacity and speed.
- Inline bypass helps ensure resilience and operational agility to move devices in and out of inline mode for downtime, upgrades, increased capacity and more.
- Inline SSL solution helps ensure all SSL/TLS encrypted traffic can be inspected.

Introduction

There is little argument that, while defending your network perimeter reduces the risk of infiltration and potential breach, it is rarely a sufficient security policy by itself. Inspecting traffic flowing within each segment of your network is virtually essential if you are to spot and stop nefarious activity. While there is a large and growing number of technologies that can be used for these purposes, deploying them in a way that is both effective and efficient requires the right approach.

The Gigamon and Cisco Joint Solution

The Cisco Firepower System is an integrated suite of network security and traffic management products, deployed either on purpose-built platforms or as a software solution. It delivers comprehensive, unified policy management of firewall functions, application control, threat prevention, and advanced malware protection from the network to the endpoint. Together the Gigamon Visibility and Analytics Fabric (VAF) and Cisco Firepower offer a combined solution that efficiently meets today's active inline security needs.

Key Benefits of the Joint Solution

Operational Efficiency

- Gigamon VAF aggregation, speed conversion and load-balancing capabilities help ensure each Firepower port can be fully utilized regardless of network utilization and speed. Network upgrades don't require tool upgrades.
- VAF inline bypass and load-balancing capabilities allow users to add, remove and/or upgrade devices without interrupting production traffic. Moving devices from monitor only to full inline can be done at the touch of a button, without network downtime.
- VAF physical and virtual access capabilities help provide pervasive traffic visibility from anywhere in your physical and/or virtual networks to be delivered to and analysed by your Firepower deployment.
- VAF advanced filtering and deduplication capabilities helps ensure only relevant sessions or IP packets are processed by your Firepower devices.

Resilience: With Integral Physical and Logical Bypass Protection

- Gigamon VAF inline bypass capability includes integrated physical and logical protection against power loss, device failure or the need to remove devices from service for maintenance, upgrades and more. Advanced heartbeat monitoring helps ensure traffic is routed around unavailable or malfunctioning inline security appliances.

Pervasive Security

- Gigamon VAF solutions for physical networks, virtualized environments (such as Cisco ACI or VMware NSX) and public cloud deployment ensures that any traffic of interest can be inspected.
- Gigamon VAF SSL/TLS decryption capabilities mean that even encrypted traffic can be analyzed by Firepower and other monitoring and security applications.

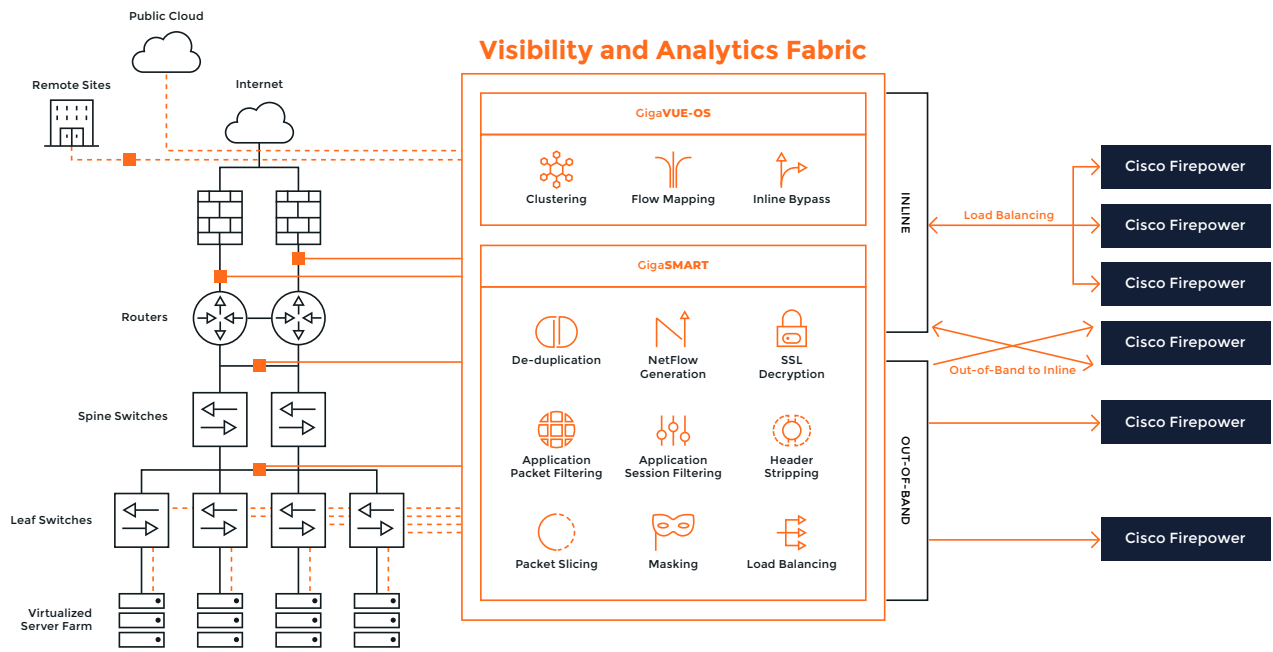


Figure 1: Gigamon Visibility and Analytics Fabric and Cisco Firepower Joint Solution

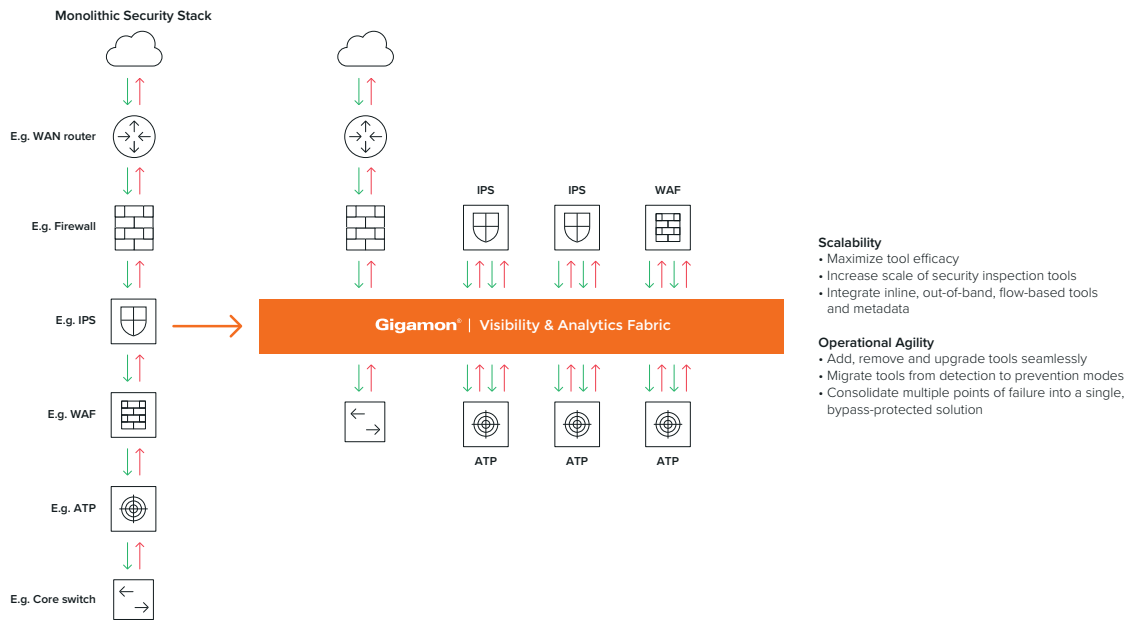


Figure 2: Scaling Threat Prevention Tools with Gigamon Visibility and Analytics Fabric

For more information on Gigamon and Cisco, visit: www.gigamon.com and www.cisco.com