Gigamon and Venafi Unmask Threats Disguised by Encryption

THE CHALLENGE

Threat actors are increasingly hiding attacks in encrypted traffic. Enabling real-time SSL/TLS traffic inspection and ensuring machine identities are available for decryption is now critical. Invalid or expired machine identities allow encrypted threats to slip by undetected.

THE SOLUTION

The Venafi Trust Protection Platform offers complete machine identity automation for Gigamon Visibility and Analytics Fabric™ (VAF) devices, as well as other local network devices, in relation to secure management access to the Gigamon VAF devices performing decryption of network traffic.

JOINT SOLUTION BENEFITS

+ Protects machine identity types by orchestrating cryptographic keys and digital certificates

+ Provides global visibility of machine identities and the risks for the extended enterprise

+ Offers automated remediation that reduces the security and availability risks connected with weak machine identities

+ Safeguards the flow of information to trusted machines and prevents communication with untrustworthy machines

Introduction

Experts have issued a stark warning: over 70 percent of web malware will be carried by encrypted traffic in 2020 creating a massive blind spot — rife with threats — for enterprise security systems, which may not have threat detection or protection against these attacks. It is critical to ensure every key and certificate is available for decryption, and then decrypt and inspect SSL/TLS traffic in real time.

With the Venafi platform, you gain the visibility and intelligence to protect and secure large numbers of highly complex machine identities. You'll be able to determine their relative strengths, vulnerabilities or risks, and rely on automation to remediate and orchestrate the identities at the massive scale and speed of digital transformation.

The Gigamon + Venafi Joint Solution

The Venafi Trust Protection Platform™ enables you to orchestrate the life cycle of your machine identities. Gigamon integrates with the Venafi platform to automate the provisioning process and enable decryption at vital ingress and egress points.

Additionally, the Gigamon management interface uses a machine identity to secure the communication between the appliance and administrators. This integration enables Venafi to provide complete automation of the management certificate, ensuring that any access to Gigamon remains secure, and that renewals to that certificate happen automatically, behind the scenes, and lets Gigamon admins focus on their day-to-day.
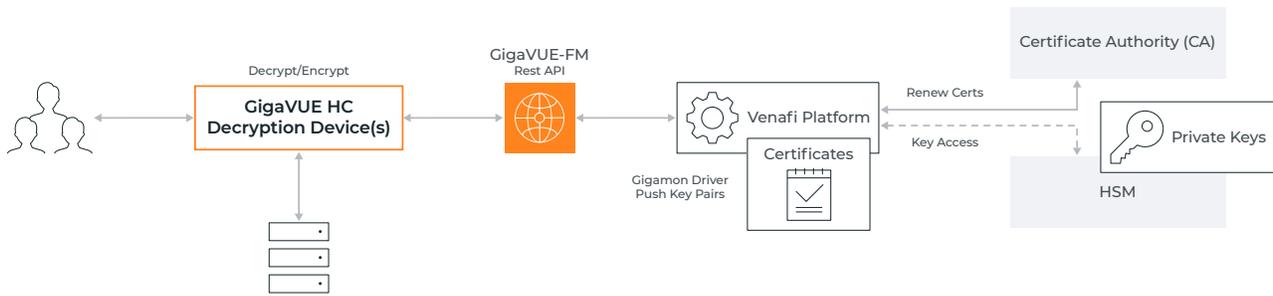
Key Gigamon Visibility and Analytics Fabric (VAF) features that enhance the value of Venafi solutions, include:

+ **Easy access to traffic from physical and virtual networks:** The Gigamon VAF manages and delivers all network traffic — including east-west data center traffic and private and public cloud workloads — to tools so all traffic can be monitored and analyzed together, reducing blind spots, increasing the likelihood of spotting suspicious behavior and removing the need to learn a new set of tooling for virtual environments.

+ **SSL/TLS decryption:** The Gigamon VAF centralizes and offloads decryption of SSL or TLS flows — including TLS 1.3 — for inspection by security tools and out-of-band monitoring tools.

+ **Easier control of asymmetric routing and link aggregation:** Gigamon VAF provides an intelligent and efficient way to ensure session information is kept together in most architectures to prevent sessions from being blocked, such as aggregation, filtering, replication, load-balancing and numerous other advanced monitoring traffic handling, reduction and transformation capabilities.

+ **Local and centralized control:** The entire Gigamon VAF can be securely managed from a single pane of glass via HTTPS. Each individual node can also be securely managed using a CLI via SSH or a local Web UI via HTTPS.

For more information on Gigamon and Venafi solutions, visit: www.gigamon.com and www.venafi.com.

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