Efficiently Identify and Secure Assets with Gigamon and Forescout

Overview

A foundational element of security is knowing what is on the network and how each asset is behaving. New devices, such as unmanaged laptops, smartphones, tablets, smart device, and IoT devices join networks nearly every hour. The task of gaining complete network intelligence across all your assets for security postures has become a challenge as infrastructures migrate to the cloud and become more complex. Because of these challenges, organizations are looking for a flexible solution that allows them to easily access intelligence from multiple sources and centralize delivery to any analysis technology. Accomplishing this minimizes blind spots and improves security hygiene.

The Challenge

An increasing number of assets are joining networks as organizations try to drive a better, more effective experience for customers. These assets significantly expand the attack surface and are invisible to many security tools because they are complex and often misidentified. Continuous asset visibility is now necessary given the risk and constant changes occurring with devices being added, removed, relocated and relocated.

The Solution

The Gigamon Deep Observability Pipeline accesses traffic across a hybrid cloud infrastructure and delivers network-derived intelligence to the tools an organization uses to secure and monitor performance. The Forescout platform consolidates multiple feeds of data from customer environments to provide asset intelligence and control for all network-connected assets. Forescout combines Gigamon with other streams of intelligence for efficient identification of assets on the network.

Key Features

Forescout's agentless technology identifies, protects, and ensures compliance of all assets. Forescout analyzes traffic and integrates with network infrastructure to discover assets as they connect to the network. After discovering an asset, Forescout uses both passive and active methods to classify the device according to its type and ownership. Based on its classification, Forescout assesses the asset security
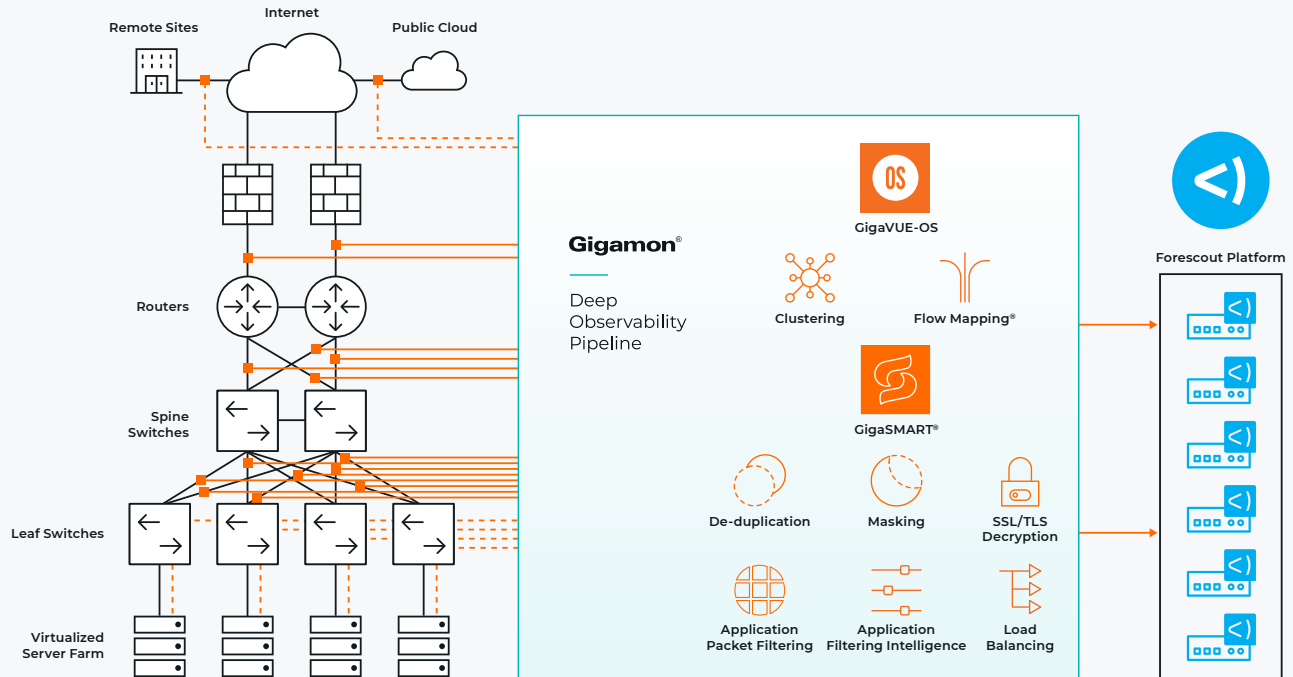
Figure 1. The Gigamon and Forescout joint solution.

posture and allows organizations to set policies, enforcing the specific behavior the asset is permitted while connected to a network.

The Gigamon Deep Observability Pipeline complements the other streams of intelligence Forescout analyzes by offering a unified view of data in motion across hybrid or multi-cloud infrastructures. It efficiently gathers data from multiple sources, optimizes it automatically, and delivers it seamlessly to the Forescout platform.

The joint solution offers:

- **Scalability:** Organizations can ensure that all their tools, including Forescout, have complete visibility without the creation of blind spots as asets join the network and infrastructure changes occur.

- **Efficiency:** The Gigamon Deep Observability Pipeline can filter irrelevant network trafficfrom the flows analyzed by the Forescout Platform. Aggregated traffic flows can be de-duplicated to help ensure that each packet is analyzed only once by the Forescout Platform.

- **Compliance:** For industries where certain identifiable information, such as patient data or credit card numbers, cannot be disclosed to network operations teams, Gigamon provides the ability to mask data within packets before forwarding them to Forescout.

- **Complete Asset Intelligence:** With more encrypted traffic traveling across the network, analyzing and identifying application details can be challenging. The Gigamon Deep Observability Pipeline offers the capability to decrypt appropriate network traffic and forward it to Forescout Platform for analysis before re-encrypting the traffic for onward delivery.

About Forescout

Forescout Technologies, Inc., a global cybersecurity leader, continuously identifies, protects and helps ensure the compliance of all managed and unmanaged cyber assets – IT, IoT, IoMT and OT. For more than 20 years, Fortune 100 organizations and government agencies have trusted Forescout to provide vendor-agnostic, automated cybersecurity at scale.

The Forescout Platform delivers comprehensive capabilities for network security, risk and exposure management, and threat detection and response. With seamless context sharing and workflow orchestration via ecosystem partners, it enables customers to more effectively manage cyber risk and mitigate threats.

About Gigamon

Gigamon® offers a deep observability pipeline that efficiently delivers network-derived intelligence to cloud, security, and observability tools. This helps eliminate security blind spots and reduce tool costs, enabling you to better secure and manage your hybrid cloud infrastructure. Gigamon has served 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. To learn more, please visit gigamon.com.

For more information on Gigamon and Forescout please visit
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