

Improve Productivity and Secure Your Operational Technology Assets With Gigamon and Nozomi

Overview

The distinction between information technology (IT) and operational technology (OT) is becoming blurred with industrial control and SCADA systems being connected to internal IT networks and the larger internet. Moreover, IoT devices are growing in vast numbers throughout many organizations. OT networks now include many IT machines and IoT devices like cameras, tablets, phones, badge-based access control units, and barcode readers. While pure-play devices like programmable logic controllers (PLCs) are very different from IT, the different networks are converging very quickly. Though this convergence may increase efficiency, the interconnections increase the attack surface area of vital OT and IoT systems.

To better manage the risk of IT with OT/IoT integration, you need the right tools to access the relevant traffic to gain complete visibility to track and monitor assets, vulnerabilities, operational controls, and any abnormal changes. IT/IoT/OT tools need to work together to lock down your network, and intelligent network filtering and shaping capabilities are necessary to ensure network packets are delivered to the right place at the right time in order to truly protect your OT assets.

The Gigamon + Nozomi Networks Joint Solution

Together, the Gigamon Deep Observability Pipeline and Nozomi Networks provide real-time network visualization and up-to-the-minute threat detection for your OT assets, where:

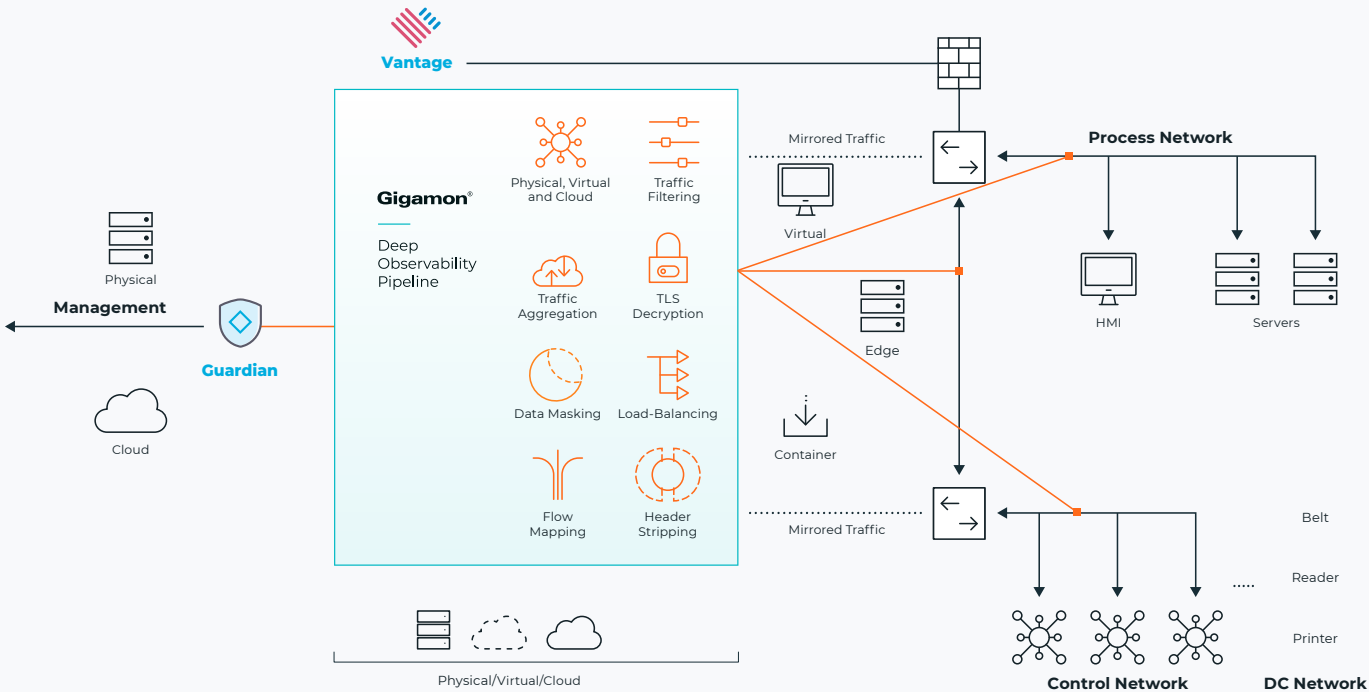
- Guardian™ protects industrial control networks from cyberattacks and operational disruption through passive network traffic analysis.
- Smart Polling™ uses precise, low-volume active polling to provide a full OT asset inventory and vulnerability assessment.
- The Central Management Console™ aggregates data for hundreds of distributed industrial installations, providing consolidated and remote access to your ICS data from Guardian appliances deployed in the field.
- Asset Intelligence™ continuously updates Guardian sensors with rich OT and IoT device data so you can identify and respond to the most important security alerts faster.

The Gigamon Deep Observability Pipeline combines with Nozomi Networks tools to offer comprehensive and integrated visibility across IT and OT assets. The Gigamon Deep Observability Pipeline accesses traffic from across an infrastructure (physical, virtual, and cloud), aggregates this traffic into a single stream of intelligence, and delivers the data to an organization's entire tool stack - including Guardian. Teams can also leverage Gigamon functionalities like de-duplication and decryption to transform the traffic before it reaches the Nozomi security tools to analyze.

The Gigamon Deep Observability Pipeline also provides:

- Load balancing to spread the volume of traffic across multiple instances of Nozomi Networks
- Header stripping that makes Nozomi Networks tools more efficient

- Masking for data privacy compliance
- Optimization and filtering of network traffic sent to Guardian and other tools by sitting between the production network (physical, virtual, cloud) and the Nozomi Networks platform
- Brokering of relevant traffic to Nozomi Networks tools that require network traffic to perform analytics, monitoring, and reporting
- Cost savings and improved ROI realized through centralized Gigamon capabilities like de-duplication, SSL/TLS decryption, flow or packet slicing, Layer 7 application filtering, and more



Joint Solution Benefits

- Gigamon aggregates data from across your infrastructure to provide complete visibility
- Nozomi Networks catalogs operational technology assets across your network, analyzes its vulnerabilities, and baselines normal state to minimize downtime
- Nozomi Networks provides anomaly detection of operational and security events with its unique AI and machine-learning technology
- The Gigamon Deep Observability Pipeline accesses traffic and transforms packets and flows to optimize Nozomi Networks' capabilities

About Gigamon

Gigamon offers a deep observability pipeline that harnesses actionable network-level intelligence to amplify the power of observability tools. This powerful combination enables 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 infrastructures. 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, nine of the 10 largest mobile network providers, and hundreds of governments and educational organizations worldwide.

To learn more, please visit gigamon.com.

For more information on Gigamon and Nozomi Networks, please visit gigamon.com | nozominetworks.com



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