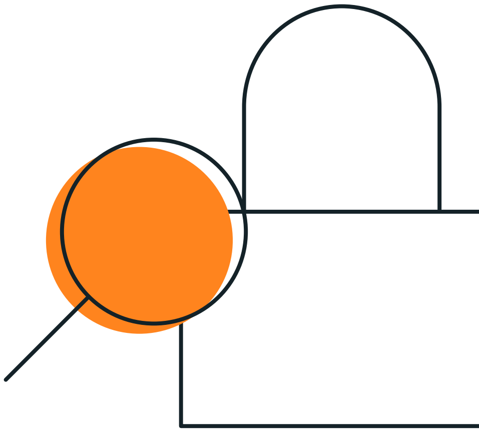
Gigamon® | priatta NETWORKS

Detect and Secure IoT Devices with Gigamon and Priatta



THE CHALLENGE

Current network security solutions were not designed to identify and continuously monitor the activities of IoT devices. The volume, variety and vulnerability of unmanaged devices creates dangerous blind spots and heightens security risks.

THE SOLUTION

The Gigamon Visibility and Analytics Fabric™ (VAF) and Priatta Device Visibility Engine (DVE) deliver an unprecedented level of visibility, control and protection for every device on connected networks.

JOINT SOLUTION BENEFITS

+ Gain total visibility and immediate access to fundamental network traffic
+ Discover, identify and classify devices
+ Pass device-level information from the VAF to other connected services

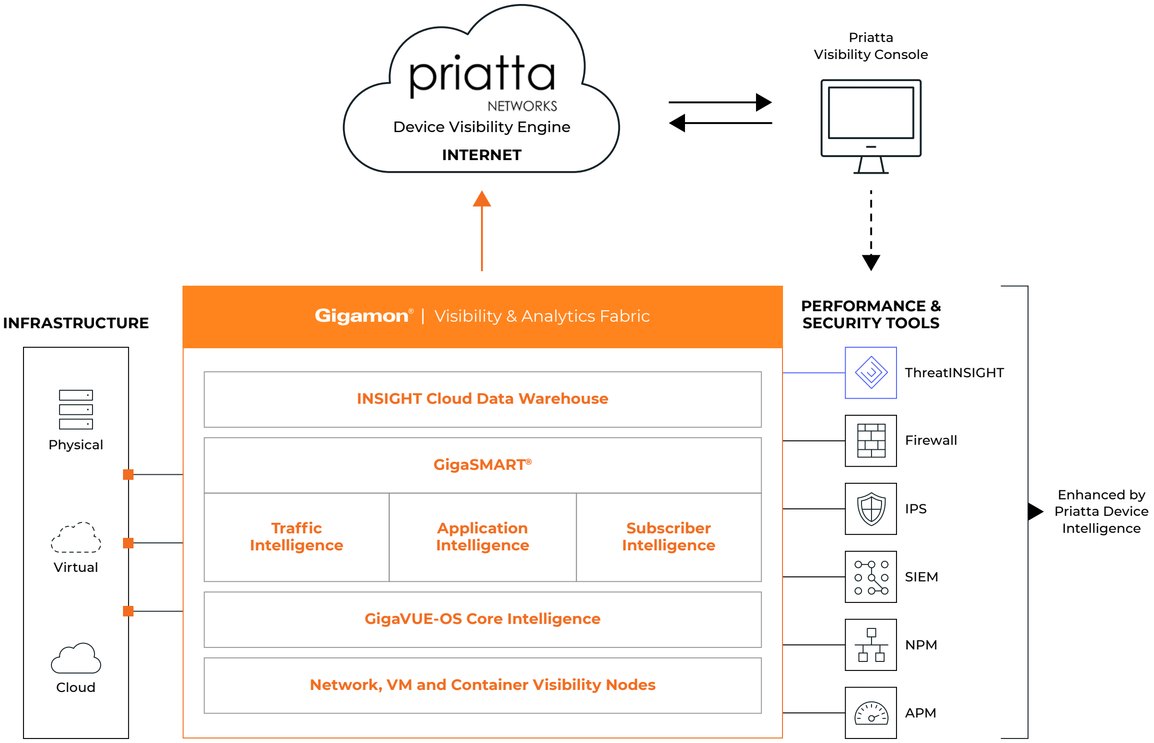
Introduction

Priatta's Device DNA artificial intelligence technology discovers, identifies and classifies devices — even brand-new devices — without signatures, decrypting or requiring additional on-premise hardware or software. Delivered as a cloud-native device-aware service, Priatta provides continuous visibility into all connected devices across the entire enterprise, including employee home offices.

The Gigamon + Priatta Joint Solution

Key Gigamon Visibility and Analytics Fabric (VAF) features that enhance Priatta include:

+ **Easy access to traffic from physical and cloud networks**: The Gigamon VAF enables traffic from across networks to be acquired — using TAPs and/or SPAN ports in physical networks and virtual mirroring and/or TAPs in cloud and virtual networks — and aggregated before being delivered to tools, such as DVE, efficiently and in the format they need. That helps to ensure all traffic can be monitored and analyzed together, reducing blind spots and increasing the likelihood of detecting suspicious behavior.
+ **Traffic filtering:** There's no point in loading a tool with traffic it will just drop after identifying it, such as database traffic going to a web application firewall (WAF). Gigamon Flow Mapping® can be configured to send only relevant traffic — or relevant sessions — to the connected tools, based on Layers 2–4 information. Additionally, the Application Filtering Intelligence capability allows applications to be accurately identified for forwarding or ignoring.


priatta
NETWORKS
Device Visibility Engine
INTERNET
Priatta Visibility Console
INFRASTRUCTURE
Physical
Virtual
Cloud
Gigamon® | Visibility & Analytics Fabric
INSIGHT Cloud Data Warehouse
GigaSMART®
Traffic Intelligence
Application Intelligence
Subscriber Intelligence
GigaVUE-OS Core Intelligence
Network, VM and Container Visibility Nodes
PERFORMANCE & SECURITY TOOLS
ThreatINSIGHT
Firewall
IPS
SIEM
NPM
APM
Enhanced by Priatta Device Intelligence

+ **Flow and Meta-data (NetFlow/IPFIX/CEF) generation:** Gigamon devices can generate unsampled NetFlow/IPFIX flow data and/or IPFIX/CEF metadata for any traffic flow. The VAF can generate extended metadata records for things like HTTP response codes and DNS queries. This extended metadata can be used to provide far more detailed contextual analysis when looking at network and security events.

+ **Decryption:** The VAF can be used to decrypt encrypted traffic, including SSL and TLS 1.3, for inspection by inline security tools and any security or application monitoring tools connected out of band.

+ **Masking for security/compliance:** When industry-specific sensitive data — for example, credit card numbers in ecommerce or patient identification in healthcare records — the VAF can mask the data within packets before sending it to other tools where it is stored, seen by operators or sent across country borders.

+ **Deduplication:** Pervasive visibility means that you will be tapping or copying traffic from multiple points in the network, which means you will see the same packet more than once. To avoid the unnecessary overhead of traffic backhaul, load on tools' processing or tools providing false network indicators, the VAF has a highly effective deduplication engine to remove duplicates before they consume resources.

For more information on Gigamon and Priatta, visit: www.gigamon.com and priatta.com.

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