

Gain a Complete View of Application Performance with Gigamon and Viewtinnet



The Challenge

Your IT ecosystem is growing exponentially more complex as the number of business-critical applications grows. To detect anomalies and ensure the performance of those applications, you must analyze all the traffic in your multi-device, multi-vendor and multi-cloud environment. However, traditional monitoring tools don't have the capabilities to provide valuable, real-time conclusions.

Integrated Solution

Gigamon and Viewtinnet together makes it simple to monitor, understand and protect your increasingly complex IT environment.

Joint Solution Benefits

- Monitor and analyze all traffic — from virtual, physical and cloud networks — to gain real-time understanding of all the devices and services running on the network
- Monitor and analyze all logs (netflow, syslog, snmp, API, WMI, json, CDRs, etc.) thanks to Viewtinnet's smart data broker
- Improve north-south and east-west monitoring, as Gigamon aggregates traffic from several interfaces to a single probe and optimizes Viewtinnet tools
- Avoid a new point of failure when deploying inline Viewtinnet's Viewtify TCP optimization with Gigamon packet broker capabilities
- Configure solutions to only send relevant traffic — or relevant sessions — to connected tools

Introduction

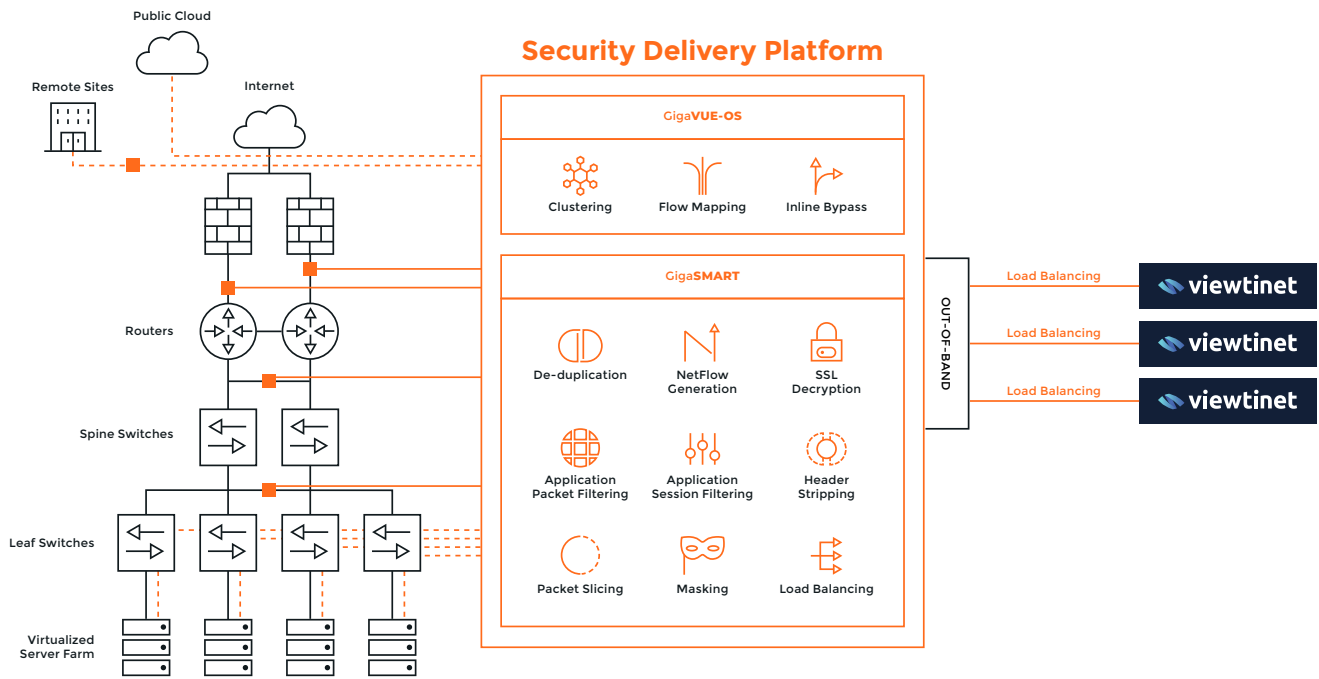
Viewtinnet offers full real-time visibility into the IT ecosystem, culling all the different data sources into a single panel view and offering customizable dashboards, multi-source reports and forecasting. Gain full comprehension of your network, with features such as DPI probe, application recognition, KPI measurement, packet analyzer and TCP optimization. Viewtinnet covers both Log Data and Wire Data.

The Gigamon-Viewtinnet Joint Solution

Gigamon provides the optimal solution for steering traffic from the physical network toward Viewtinnet's Viewtimon probes. For north-south monitoring, Gigamon taps and aggregators optimize the performance of Viewtinnet, and Gigamon aggregates traffic from several interfaces, also in the cloud, toward a single probe to improve east-west monitoring. Also monitor each of the branches deploying low end taps + probes.

Key Gigamon Visibility and Analytics Fabric features that enhance the value of Viewtinnet solutions, include:

- **Easy access to traffic from physical and virtual networks:** The Gigamon Visibility and Analytics Fabric 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 and increasing the likelihood of spotting suspicious behavior.
- **Traffic filtering:** The Gigamon Visibility and Analytics Fabric can be configured to only send relevant traffic — or relevant sessions — to the connected tools, so Viewtinnet tools don't become overloaded with irrelevant traffic.
- **Aggregation to minimize port tool use:** Where links have low traffic volumes, the Gigamon Visibility and Analytics Fabric can aggregate these together before sending them to the Viewtinnet tools in order to minimize the number of ports that need to be used. By tagging the traffic, the Fabric ensures the source of traffic can be identified.
- **Resilience of solution:** Deploy security nodes inline and use the Gigamon Inline Bypass functionality to provide physical bypass traffic protection in the event of power loss and logical bypass traffic protection in the event of an inline tool failure.
- **SSL decryption:** The Gigamon Visibility and Analytics Fabric can decrypt SSL encrypted traffic for inspection by security tools and any other nodes connected out of band.
- **Meta-data (NetFlow/IPFIX) generation:** Gigamon nodes can generate unsampled NetFlow/IPFIX metadata for any traffic flow. Gigamon also generates 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.
- **Easier control of asymmetric routing:** Gigamon Visibility and Analytics Fabric provides an intelligent and efficient way to ensure session information is kept together in most architectures to prevent sessions from being blocked.



- Header stripping for efficiency:** If the connected tool doesn't need to see the body information within the packet, the Gigamon Visibility and Analytics Fabric can remove it before sending the packet header to the tool for processing. This reduces load on the device and increases its efficiency.
- Masking for security/compliance:** Certain industries and information must be handled carefully (for example, credit card numbers in ecommerce or patient identification in healthcare). The Gigamon Visibility and Analytics Fabric masks any sensitive data within packets before they are sent to Viewtinet tools where they may be seen by operators or others.
- Deduplication:** Pervasive visibility requires tapping or copying traffic from multiple points in the network, which in turn, means tools may see the same packet more than once. To avoid the unnecessary packet-processing overhead on Viewtinet tools, the Gigamon Visibility and Analytics Fabric removes duplicates before they consume resources.
- Subscriber-Aware Visibility:** Gigamon Flow Mapping® GTP correlation, FlowVUE™ and Application Session Filtering capabilities enable intelligent prioritization of subscriber traffic for tool processing targeted at Service Provider customers.

For more information on Gigamon and Viewtinet solutions, visit:

www.gigamon.com and <https://viewtinet.com>