CAPTURING INTELLIGENT DATA IN MOTION
Gigamon Empowers NIKSUN with the Ability to Capture All Traffic Traversing Physical and Virtual Networks Maximizing Cybersecurity Forensic Capabilities

Summary

The threat of cyber attack is real. Traditional approaches such as firewalls, intrusion detection systems (IDS) and intrusion prevention systems (IPS) have clearly proven not to provide sufficient protection to address these serious threats.

Joint Solution Benefits

- Monitor important assets with fewer resources

- Solve SPAN contention problems preventing effective monitoring

- Deploy enterprise-wide monitoring in minimal time

- Reduce switch/router SPAN port and port densitylimitations and manage mirrored network data transmission from Gigamon to NIKSUN

- Accurate Gigamon data time stamping is fully tested and interoperable, ensuring uniformity and providing fully granular analysis

The threat of cyber attack is real. Networks have become more vulnerable as attacks have become commonplace and far more damaging. Threats have become highly dynamic and are occurring on an unprecedented scale with extraordinary sophistication. And, unfortunately, no network security product can prevent every malicious or criminal act.

Many diverse defense mechanisms have been created in a continued attempt to protect and secure network assets, such as firewalls, intrusion detection systems (IDS) and intrusion prevention systems (IPS); but these systems have clearly proven not to provide sufficient protection to address these serious threats.

Businesses need to protect their infrastructure and assets from the inherent risk of hacking, espionage and data exfiltration. NIKSUN provides advanced forensic tools that inform users of security breaches and attacks as they occur. The ability to capture data in motion in order to quickly answer critical questions such as how a breach occurred, what data was exfiltrated, what was comprised, who was affected, why it occurred and how corrective measures can be initiated is vital to organizational health.

The Challenge

Defending against cyber threats has become increasingly challenging. Even the most secure government agencies and corporate enterprises have experienced hacking and cyberattacks. Is your organization prepared if you are targeted and are you equipped to perform post breach analysis?

The Solution

NIKSUN and Gigamon have partnered to provide a highly robust, scalable and reliable solution that complements each other's respective core competencies. Gigamon eliminates the issue of lack of available Tap or SPAN ports providing the ability to hand-off a copy of network 'data-in-motion' to NIKSUN. The NIKSUN appliances capture the traffic in real-time detecting and alarming security and performance anomalies enabling immediate packet-based diagnosis, problem resolution and forensic capabilities.

NIKSUN NetDetector

NIKSUN NetDetector is a full featured appliance for network security monitoring. It defends against malware, advanced persistent threats (APTs) and botnets by combining anomaly and signature detection with botnet command and control examination and geo IP location threat intelligence. In addition, it offers the deepest and fastest data mining forensics with full application reconstruction and packet level decodes, at full network line speeds.

NIKSUN NetDetectorLive

NIKSUN NetDetectorLive is designed to provide real-time surveillance over IP networks. Similar to NetDetector it has the capability to monitor all data flowing across the network but also inspects content, providing visibility and control over how vulnerabilities are exploited or how sensitive/confidential information is being breached. NetDetectorLive creates rich metadata on the fly on all content for easy search and inspection, from minutes to years after an event. The special metadata, along with content categorization, allows for super-fast search and reconstruction of events, monitoring the contents of the events, as well as accurate and simplified analysis into the complete activity of criminal or subversive organizations.

NIKSUN NetOmni

NIKSUN NetOmni provides real-time network-wide data aggregation, analytics and reporting. Through a single console integrated with NIKSUN appliances throughout the enterprise, it consolidates IDS, forensics, packet capture, flow & SNMP analysis, VoIP monitoring, and other capabilities into a single, unified platform, reducing the IT footprint.

Gigamon Traffic Visibility Fabric

A variety of systems are deployed throughout Enterprise and Service Provider infrastructure to provide visibility of the traffic traversing production networks. These systems are only as effective as the traffic and communications that they can see; limit visibility to the traffic, and the value of the monitoring, management or security system is equally limited. IT Managers therefore attempt to connect the systems at the most appropriate location within the environment, although the definition of "most appropriate" changes frequently due to the dynamic nature of the network and the systems that connect to that network.

As requirements on networking and infrastructure continued to demand more flexible, scalable and versatile solutions, Gigamon pioneered a new approach to deliver pervasive and extensible visibility into the network. Understanding the criticality and priority of one communication flow over another, one application over another, and one packet over another, created the foundation for the development of the Traffic Visibility Fabric™. The Gigamon Visibility Fabric is a truly pervasive framework, able to see across the boundary of physical and virtual, and therefore able to see into the cloud and provide the clarity that is essential to secure maintain, and support network-based services and applications.

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About NIKSUN: NNIKSUN is the recognized worldwide leader in making the Unknown Known. The company develops a highly scalable array of real time and forensics-based cyber security and performance management solutions for large enterprises, government & intelligence agencies, service providers and financial services companies. NIKSUN's award winning enterprise solutions deliver unprecedented flexibility and packet capture power. The company's patented real-time analysis and recording technology is the industry's most comprehensive solution for secure and reliable network infrastructure and services. NIKSUN, headquartered in Princeton, New Jersey, has sales offices and distributors throughout the US, Europe, the Mid East and Asia-Pacific. For more information, please visit www.niksun.com.

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About Gigamon: Gigamon® provides intelligent Traffic Visibility Networking solutions for enterprises, data centers and service providers around the globe. Our technology empowers infrastructure architects, managers and operators with unmatched visibility into the traffic traversing both physical and virtual networks without affecting the performance or stability of the production environment. Through patented technologies, the Gigamon GigaVUE® portfolio of high availability and high density products intelligently delivers the appropriate network traffic to security, monitoring or management systems. With over seven years' experience designing and building intelligent traffic visibility products in the US, Gigamon serves the vertical market leaders of the Fortune 1000 and has an install base spanning 40 countries. For more information about Gigamon and their award winning solutions, please email: inside.sales@gigamon.com.