IXIA + NIOMETRICS: COMPLETE VISIBILITY FOR BETTER NETWORK INTELLIGENCE

THE JOINT SOLUTION

To optimize performance, you need to see everything happening in your network. Ixia’s network visibility solutions work with Niometrics appliances to capture and analyze traffic in a scalable solution for any size network. Ixia Network Packet Brokers (NPBs) aggregate and direct traffic from network access points to Niometrics for inspection and analysis. Niometrics appliances then performs high-resolution traffic inspection optimized for application recognition for real-time network visualization and analytics.

NIOMETRICS’ NETWORK-BASED APPLICATION INTELLIGENCE

Niometrics performs sophisticated network traffic analysis to ensure that business-critical transactions do not fail. Instead of relying on general-purpose content inspection technology, the Niometrics NCORE engine was designed from the ground up to satisfy today’s complex protocol recognition needs, and to provide the flexibility needed to cope with an ever-changing protocol ecosystem.
The solution is capable of accurately identifying applications that rely upon encryption and obfuscation, as well as the complexities of Web 2.0 applications and protocols that use HTTP as a transport layer.

The Niometrics solution offers delivers:

- **Network visibility**: Analyze and investigate network activity in real time, identifying more than 6,000 applications, services and protocols, and distinguishing encrypted and obfuscated network traffic.
- **Threat intelligence**: Help pinpoint malware and botnet command & control communications, log and record unknown traffic for further investigation, and create and deploy custom security rulesets and signatures.
- **Application control**: Granularly block or prioritize per-application and user activity, maintain full control of encrypted and obfuscated traffic, and integrate policy enforcement within a powerful dashboard.
- **Accelerated traffic inspection with GPU acceleration**: Software-based technology

Ixia’s network visibility architecture complements the Niometrics solution by providing access to all needed network traffic.

**IXIA ASSURES COMPLETE ACCESS TO DATA**

Ixia’s Net Tool Optimizer (NTO) network packet broker solutions bolster network security and optimize monitoring tool performance with complete access to data across physical and virtual networks. Each monitoring tool receives exactly the right data it requires for analysis to improve data center management and return on investment (ROI).

NTO aggregates and directs traffic from multiple access points in the network to Niometrics appliances. Aggregating data from multiple SPANs, taps, and virtual taps (vTaps) provides efficient access to asymmetric traffic across large heterogeneous networks.

**HIGHLIGHTS INCLUDE:**

- Load-balancing traffic across multiple Niometrics ports
- Dynamically tightening filters as needed to ensure key transactions are analyzed as traffic spikes above 10Gbps
- Load-balancing traffic among multiple Niometrics appliances on a network to provide high availability
- Providing complete visibility into east-west traffic from virtual environment
- Filtering of traffic that does not need to be analyzed
- Removing duplicate packets to enhance throughput capacity
- Enabling easy drag-and-drop operation via NTO’s highly intuitive control panel

ABOUT NIOMETRICS

Niometrics is an emerging technology leader in network intelligence. Its mission is to help network owners understand, manage and protect their networks. Its award-winning, high-resolution traffic inspection technology provides advanced visibility and granular control over network traffic at the application layer. Solutions include:

- Niometrics Application Recognition and Control System (ARCS): Network visibility and control solution that provides high-performance traffic analysis, visualization and control
- Niometrics Deep Network Analytics (DNA): Network Intelligence solution designed specifically for Communication Service Providers to understand network and subscriber activity

ABOUT IXIA

Ixia delivers a powerful combination of innovative solutions and trusted insight to support network and security infrastructures from concept to operation. Whether you are preparing a product for launch, deploying a service or application, or managing performance in operation, we offer an extensive array of solutions for testing, visibility, and security—all in one place.

Our solutions are used worldwide to validate network functions, test the integrity of security infrastructures, and deliver an end-to-end view of the network. The result: stronger networks, better performance, increased security resilience, happier customers, and maximum ROI.