COMPLETE VISIBILITY TO SECURE AND MAINTAIN AVAILABILITY OF MISSION-CRITICAL NETWORKS

Combined NIKSUN and Ixia Solution Can Monitor Networks of Any Size

SOLUTION

The Ixia Net Tool Optimizer® (NTO) works in concert with NIKSUN to secure and monitor networked applications. The NTO passively directs out-of-band network traffic from multiple access points (SPANs or TAPs) in the network to the NIKSUN’s Alpine appliance for analysis. Traffic is aggregated from all needed access points in the network to provide comprehensive visibility and to address shortages in monitoring access points.

NIKSUN® is the leader in making the unknown known. NIKSUN delivers next-generation network monitoring solutions to secure critical infrastructure, optimize service delivery, and reduce compliance risks. Based on the highly scalable and modular Alpine appliance, designed specifically for large-scale network monitoring, NIKSUN is revolutionizing the network monitoring industry with its flagship products, NetDetector®, NetVCR®, and NetOmni™.
HIGHLIGHTS

The Ixia NTO complements the NIKSUN Alpine appliance by extending access to all critical network traffic. The joint solution provides complete visibility into network traffic in a highly scalable system that is easy to deploy. The NIKSUN network monitoring solution can simultaneously capture, inspect, mine, correlate and store everything traversing the network at multi-gigabit rates; gaining deep insight into security threats, performance issues and compliance risks.

JOINT SOLUTION BENEFITS

- Full network visibility – The NTO delivers all required traffic from anywhere in the network to the NIKSUN Alpine appliances
- Simplified deployment – The solution is flexible enough to work in any network environment and can share access with other tools that are already deployed
- Easily scalable – Additional 1G, 10G, 40G and 100G ports can be added to meet bandwidth requirements and traffic can be load balanced across multiple NIKSUN appliances
- Maximum efficiency – The NTO filters and removes extraneous traffic so the NIKSUN solution can operate at full efficiency

KNOW THE UNKNOWN

The single biggest challenge in solving cyber attacks and service level disruptions is gaining actionable insight on the dizzying array of unknowns associated with each security or performance issue. To solve this problem, NIKSUN’s solution captures all “data in motion” that crosses the network. NIKSUN’s “eye on the network” not only records the data, but provides proactive real time monitoring to detect attacks and report on any data that degrades the reliability and availability of networked applications, services, and underlying infrastructure. All of this unique technology can be deployed on a single appliance.

NIKSUN’s state-of-the-art network mapping and measurement models provide immediate identification of network application and security anomalies, performance irregularities, policy compliance violations and security breaches. A powerful deep packet forensic analytics engine and indexed Network Knowledge Warehouse facilitates determination of the severity of any incident. Real time alarms and threshold notifications are triggered to significantly reduce the time required to resolve anomalous network events and determine security weak points.

IXIA NTO OPTIMIZES NETWORK ACCESS TO NIKSUN

The NTO complements the NIKSUN solution by providing access to all needed network traffic. The NTO sits between access points in the network that require monitoring and the NIKSUN Alpine appliance. The NTO simultaneously aggregates traffic from multiple SPANs/TAPs in the network and directs it to the NIKSUN appliance.
This approach provides efficient access to asymmetric traffic across large heterogeneous networks. The Ixia NTO also helps the NIKSUN appliance consume fewer resources by filtering out traffic not needed for analysis before it can get to the NIKSUN appliance. The NTO allows for the sharing of traffic from a network access point with multiple monitoring tools. This capability eliminates the SPAN/TAP shortages that occur when another tool is attached to a needed access point. Additionally, by removing duplicate packets, the NTO can enhance the throughput and storage capacity of the monitoring solution. NTO can also load balance traffic across multiple NIKSUN Alpine appliances for added capacity. In addition, the NTO can time stamp and tag packets (using VLAN tags) to provide the NIKSUN solution precise detail on traffic for in depth analysis.

The NTO’s intuitive graphical user interface (GUI) makes the NTO easy to set up and use. Simply drag-and-drop a virtual connection between SPANs/TAPs and NIKSUN to make a live connection.

ABOUT IXIA’S NETWORK VISIBILITY SOLUTIONS

The Ixia Net Tool Optimizer® (NTO) provides complete network visibility into physical and virtual networks, improves network security and optimizes monitoring tool performance. The NTO ensures that each monitoring tool gets exactly the right data needed for analysis. This improves the way you manage your data center and maximizes return on investment.

Our customers include large enterprises, service providers, educational institutions and government agencies. For additional information:

Toll Free: (877) 268-3269
EMEA: +44 (0) 1189 076 204
APAC: +852-2824-8850
Email: visibility@ixiacom.com

ABOUT NIKSUN

NIKSUN® is the leader in making the unknown known. NIKSUN delivers the best nextgeneration network monitoring solutions to secure critical infrastructure, optimize service delivery, and reduce compliance risks. Based on the world’s most scalable and modular technology – Alpine – designed specifically for large-scale network monitoring, NIKSUN is revolutionizing the network monitoring industry with its flagship products, NetDetector®, NetVCR®, and NetOmni™. With more than 1,000 enterprise customers in over 30 countries, NIKSUN is the only networkwide monitoring company that provides organizations with the power to instantly Know the Unknown®. NIKSUN, NetDetector, NetVCR, NetOmni and other NIKSUN marks are either registered trademarks or trademarks of NIKSUN, Inc. in the United States and/or other countries. Other product and company names mentioned herein may be the trademarks of their respective owners. For more information, including a complete list of NIKSUN marks, visit NIKSUN’s website at www.niksun.com.
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.