

Customizable Expert Analysis and Incident Reporting



Drill-down to milliseconds for analysis of selected experts. Schedule, save, retrieve or export reports.



Packet analysis & decodes (700+ protocol decodes with the NIKSUN Advanced Packet Viewer



Conveniently download all experts and organize them into customizable groups



Schedule multiple Xperts at a time & automate reports in preferred formats for troubleshooting and incident reporting



Assists in forensic analysis of local or remote data. Automate root-cause analysis down to the packet level

Benefits

- ⊙ Fault management, policy management, interactive application benchmarking, application analysis, intrusion detection, policy management, and more
- ⊙ Integrated & meaningful views of network statistics
- ⊙ Minimizes cost needed to discover & recover from network performance & security incidents
- ⊙ Focuses on isolating & diagnosing chronic issues
- ⊙ Integrates with NIKSUN's Advanced Packet Viewer
- ⊙ Full packet decode allows in-depth analysis at the packet level
- ⊙ Intelligent Xperts locate & diagnose SLA/QoS & security issues
- ⊙ User customizable settings
- ⊙ Minimal training & networking knowledge requirements, saving costs of procuring & maintaining expertise
- ⊙ Easier trouble-ticketing through incident reporting

NIKSUN NetXperts is a web-based software module for NIKSUN appliance and enterprise platforms that delivers non-intrusive analysis and troubleshooting expertise. NetXperts assists in diagnosing the causes of performance degradation, benchmarking interactive applications before deployment, identifying usage, analyzing regulatory or corporate policy violations, reporting on network and application security details, and more. The Xpert solution is a library of domain specific experts that offer a large number of scenarios suitable for a variety of environments, facilitating automated root-cause analysis. NetXperts' reporting capability provides a clear and concise picture of analysis results.

Automated Analysis

NetXperts' extensible framework provides customizable "Xperts" to automatically and rapidly analyze performance and security problems. NetXperts' threshold baselining feature can auto-set thresholds for accurate identification of anomalous events.

NIKSUN appliances record data at multiple line rates and mine information for meaningful statistics that support real-time analysis and visualization of network traffic. NetXperts leverages this information to automate analysis of network performance and security events. It also lists possible causes of detectable anomalies and recommends steps needed to resolve them, thereby saving troubleshooting time, increasing employee productivity and reducing the cost of networking expertise.

Customizable Xperts Library

The NIKSUN Xperts library automates analysis for most security and performance incidents. New Xperts are continuously added to the library to meet specific customer needs. A few examples of existing Xperts follow.

Examples of Performance Xperts:

- ⊙ Application Analysis Xpert profiles and reports on various applications such as HTTP, SMTP, FIX, ISO 8583, Oracle, Citrix, P2P, etc.
- ⊙ TCP Flow Xpert detects performance issues with TCP flows, refused, dropped and timed-out connections for any servers and applications

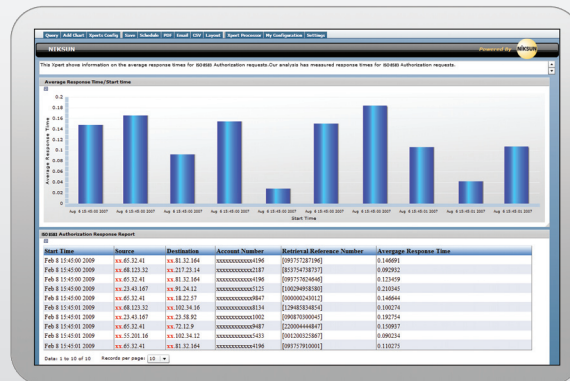
Features

- Scalable to any network environment (LAN, WAN, MAN)
- Drill-down to milliseconds for analysis into selected Xperts
- Schedule, save, retrieve, & export analysis reports
- Convenient download of the latest Xperts
- Run several Xperts at a scheduled time & obtain reports
- Packet analysis & decodes (700+ protocol decodes with the NIKSUN Advanced Packet Viewer)
- Configurable threshold settings & baselining
- Network tools (ping, traceroute, whois, dig)
- Customized grouping of Xperts
- Web-driven intuitive user interface
- Add, print, email or export troubleshooting results in preferred formats, which can be later used as incident reporting purposes
- Analyze LAN, WAN & MAN (10/100/1000 & 10G Ethernet, IPv4, IPv6, VLAN, ATM, POS, etc.) data recorded by NIKSUN NetVCR & NetDetector appliances
- Forensic analysis on local & remote data
- Exists as an appliance or NetOmni Suite module

- Zero-Window Analysis Xpert diagnoses TCP connections with zero window size advertisements
- Delay Through Devices Xpert provides the delay measurement for the same flow passing through the firewall, proxy or NAT
- Multi-hop Performance Summary Xpert for tracking over multiple links
- FIX Xperts measure Trade-Fill, Replace, Cancel and Acknowledgement times of financial applications
- ISO 8583 Xperts measure credit card transaction rates & authorization response time
- Source Quench Xpert detects instances of host/gateway congestion based on ICMP source quench messages

Examples of Security Xperts:

- Asymmetric Flows Xpert identifies flows with one-sided conversations
- NAT Xperts correlate network flows and packets over multiple links to determine the presence of NAT and measure latency
- OS Detection Xpert provides passive fingerprinting on source/destination addresses to identify the OS on various machines
- Connection/Host/Application Difference Xperts detail data differences between connections/hosts/applications
- Host Activity Xpert identifies the number of hosts a source interacts with, detecting host scanning (drill-down on this Xpert identifies actual applications on the host that were accessed by a source)



NetXperts ISO 8583 Authorization Response Xpert

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About NIKSUN: NIKSUN is the premier provider of patented multi-timescale network and security monitoring and real-time analysis solutions that identify, alert, analyze and report on incidents that impact performance, security, compliance applications and services. NIKSUN's NetOmni Suite is the only technology available today that offers large organizations the ability to consolidate views into globally distributed high-speed converged networks according to user responsibilities. NIKSUN empowers organizations to make fast, accurate decisions that assure network performance, security and compliance goals are met and data integrity is protected.

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