



# NetXperts™

## *Customizable Expert Analysis and Incident Reporting*

### Features & Benefits

- » *Dedicated applications analytics with rich metrics*
- » *Application and diagnostics anomalies reporting*
- » *Rich detailed applications transactions*
- » *Cross applications tracing*
- » *SLAs and QoS application monitoring*
- » *Eliminate the need to look at lower layers for application issues*
- » *Significantly reduce MTTR and minimizes cost for application performance incidents and disaster recovery*
- » *Automatically correlate multiple metrics for quick resolutions*
- » *Easily support proprietary protocols based on customers needs*
- » *Continually expanding applications libraries and Xperts*

NIKSUN® NetXperts is an optional module for NIKSUN appliance and enterprise platforms that delivers non-intrusive analysis and troubleshooting expertise for applications. NetXperts assists in diagnosing the causes of applications' performance degradation, benchmarking interactive applications before deployment, identifying usage, analyzing regulatory or corporate policy violations and more. The NetXpert 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 applications' performance analysis results.

### Beyond Traditional Analysis

NetXperts' extensible framework provides "Xperts" to automatically and rapidly analyze performance problems.

NIKSUN appliances record data at line rates and mine information for meaningful statistics that support real-time analysis and visualization of network traffic. NetXperts leverages this information and provide advanced analytics of applications performance eliminating the need to depend on lower layers for application issues diagnosis. NetXperts provide rich insights into possible causes of anomalies thereby saving troubleshoot time, increasing employee productivity, and reducing the cost of networking expertise.

### NIKSUN NetXperts 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. Users can create their own customized analysis formulas for inclusion in their own custom-created Xperts.

A few examples of existing Xperts are shown below:

#### **Performance Xperts:**

- » Application Analysis Xperts - profile and report on various applications such as HTTP, SMTP, FIX, ISO 8583, Oracle, Citrix, P2P, and more.
- » TCP Flow Xperts - detect performance issues with TCP flows, refused, dropped and timed-out connections for any servers and applications.
- » Application Index Xpert - displays a score reflecting overall user satisfaction with the response time of applications.

- » 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 - measures trade-fill, replace, cancel and acknowledgement times of financial applications.
- » ISO 8583 Xperts - measures credit card transaction rates and authorization response time.
- » Source Quench Xpert - detects instances of host and gateway congestion based on ICMP source quench messages.

### Security Xperts:

- » Asymmetric Flows Xpert - identifies flows with one-sided conversations.
- » NAT Xperts - correlates network flows and packets over multiple links to determine the presence of NAT and measure latency.
- » OS Detection Xpert - provides passive fingerprinting on source and destination addresses to identify the operating system on various machines.
- » Connection/Host/Application Difference Xperts - detail data differences between connections, hosts, and 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.

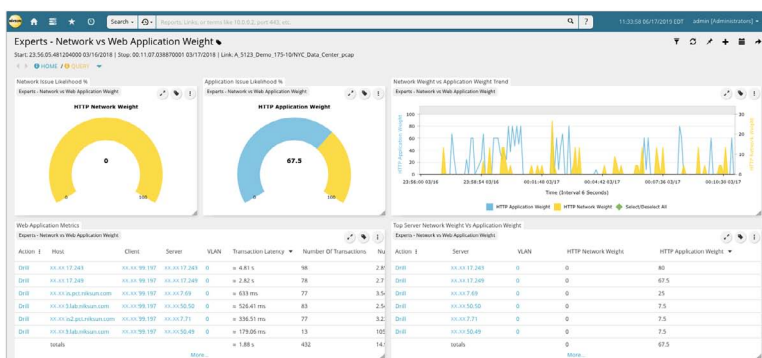
### Technical Information

**Protocols Supported:** TCP, UDP, DNS, HTTP, HTTPS, LDAP, SMB IFS, MODBUS, MYSQL, MSSQL, DB2, ORACLE, SSL,pim/BGCP.

**Package Availability:** NetXperts is available as an optional package on NIKSUN NetVCR®, NetDetector®, NetDetectorLive™ and NetBlackBox® Pro.

Interested in learning more?

For more information, please visit us online at [niksun.com](http://niksun.com).



*NetXperts: Network vs Web Application*



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