



NetX™

Enterprise-wide network data aggregation and reporting

DATASHEET

Features & Benefits

- » *Enterprise-wide reporting of distributed networks, applications and services for use in multiple applications*
- » *Types of reports include: Performance, Security, QoS, Remote Sites, Baseline, VoIP Heatmap, NetFlow, etc.*
- » *Quick, customizable reporting on geographically distributed services empowers users to profile, secure, design and ensure highly-available services*
- » *Trending, forecasting and baselining capabilities for network optimization, resource/capacity management, planning and change control*
- » *100% visibility of distributed SLAs and QoS*
- » *Complete aggregation of raw traffic, VoIP, SNMP, NetFlow and alarms*
- » *Options for high-level views of enterprise network services and applications via customizable dashboards*
- » *Scalable, turnkey solution with web-based user interface*

NIKSUN's NetX, part of NetOmni™ Alpine, aggregates information from geographically distributed networks, applications and services and represents performance and security metrics as meaningful reports. It provides a central point of visibility over the entire enterprise network and allows information to be shared via a unified network-wide data repository to facilitate operational consistency and overall business efficiency.

NetX empowers organizations with configuration options within its reporting scheme for network integrity, service assurance, capacity planning, trending, forecasting, baselining, troubleshooting and security forensic analysis.

Enterprise-wide Distributed Data Aggregation

NetX communicates with remote NIKSUN® appliances that monitor various links across the network for performance, security and policy compliance measurements. It aggregates distributed knowledge repositories into a single, virtualized enterprise-wide NIKSUN Network Knowledge Warehouse (NKW). NKW is a hierarchical, correlated collection of all enterprise network information. NetX collates information (NetFlow, SNMP, packets, etc.) from all network applications, services and their underlying infrastructure and prioritizes key service delivery, security and compliance metrics. All of these can then be presented and shared as insightful, contextual reports.

Flexible Enterprise Reporting

NetX reports on any combination of network metrics as per the needs of organizations, along a timeline of their choosing. NetX comes pre-configured with default report layouts, but seamlessly accommodates to user preferences. Reports may be scheduled on an hourly, daily, weekly and monthly basis, or to other customizable timeframes. Reports can also be generated on an on-demand or ad-hoc basis. Since NetX aggregates network data in real-time, reporting is relevant to current performance, security and compliance adherence issues.

Remote Site and Group Reports

Information can be grouped by enterprise or business unit contexts, such as links, hosts, subnets, applications, organizations or other criteria. This creates relevance within generated reports and provides contextual enterprise-wide data to profile, design and ensure highly available services.

Examples of NetX Reports

- » **Security Analysis Reports** - heat maps, scan reports, affected hosts reports, application mapping, etc.
- » **Site/Enterprise Reports** - application volume leaders, top talkers/ conversations/applications, site exceptions, etc.
- » **Activity and Talkers Reports** - IP, non-TCP talkers, TCP/non-TCP conversations, applications, etc.
- » **Integrity Reports** - server activity, work efficiency, delay, latency, etc.
- » **Distribution Reports** - pre-link, link, IP, UDP, TCP, application, etc.
- » **Packets Reports** - link, IP, UDP, TCP, application, packet rate, etc.
- » **VoIP Reports** - QoS, MOS, jitter, delay, network vs. VoIP volume, top protocols, release cause code distribution, etc.
- » **NetFlow Reports** - bit rate, packet rate, byte count, packet count, host pairs, hosts, applications, etc.
- » **SNMP Reports** - Switch polling of MIB II data: utilization, byte count, bit rate, in/out errors/discards, etc.
- » **Remote Site and Group Reports** - information can be grouped by enterprise or business unit context such as links, hosts, subnets, applications, organizations, etc.

Capacity Planning, Trending and Baselining

Based on historical data, NetX projects future network trends to assist capacity planning for future resource needs and to protect the infrastructure from slow-downs caused by increased resource constraints. Adaptive baselining reports on parameters such as, remote site and application utilization, bytes and packet counts, etc. are available. Baselines can be created for any combination of parameters for daily, weekly, monthly or yearly time periods. Current utilization levels, bit rates, packet rates, etc. can be compared with the corresponding baseline using historical information stored in the NKW.

NetX is part of NIKSUN's NetOmni Alpine Suite and seamlessly interoperates with NetOmni (enterprise-wide service delivery management portal), NetTrident™ (enterprise-wide forensic analysis and data correlation) and Central Manager™ (remote appliance management console) - creating a cohesive enterprise solution that integrates multiple functions for remote performance, security and compliance visibility, verification, alerting analysis, reporting and assurance.

Technical Information

Form Factors: A variety of 1U and 2U form factors are available. Internal storage scales to tens of terabytes.

Integration: *Authentication* - TACACS+, RADIUS, LDAP and Active Directory.

Package Availability

NetX is available as part of the following two packages, depending on specific user needs:

- » **NetOmni Full Suite** - Dashboard, NetTrident, NetX and Central Manager
- » **NetOmni Alpine Reporting** - NetX and Central Manager

Interested in learning more?

For more information, please visit us online at niksun.com.



100 Nassau Park Blvd • Princeton • NJ 08540 • USA
t: +1.609.936.9999 • toll free: +1.888.504.3336
f: +1.609.419.4260
info@niksun.com • www.niksun.com

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