NetX™

Enterprise-wide network data aggregation and reporting

Features & Benefits

» *Enterprise-wide reporting of distributed networks, applications and services for use in multiple applications*

» *Types of reports include: Performance, Security, IOCs, 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 Packets, Flow, SNMP, Logs, 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™, 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). The NKW is a hierarchal, correlated collection of all enterprise network information. NetX collates information (NetFlow, SNMP, packets, logs, 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** - IOC Dashboard, Security Posture, SOC Executive Dashboard, Application Forensics, Files, SSL Security, DNS Data Exfiltration, etc.

» **Performance Reports** - NOC Executive Dashboard, QoS Issues, QoS Posture., NPR Performance, DNS Performance, Web Performance, etc.

» **Activity and Talkers Reports** - Network Sessions, Network Map, Top Conversations, Maps, Top Servers, TCP Connections, etc.

» **Distribution Reports** - Network Overview, Network Performance, Traffic Volume, etc.

» **Finance Reports** - TREP Overview, Data Quality, Trading Analytics, OUCH Summary, etc.

» **Mobility and VoIP Reports** - VoLTE Posture, SIP KPIs, RTP KPIs, Diameter KPIs, etc.

» **NetFlow Reports** - Flow based Overview, Device Map, FlowAggregator Firewall, etc.

» **SNMP Reports** - Network Issues Dashboard, Network Performance Postures, SNMP - Errors and Discards, SNMP – System CPU Load, SNMP – System Memory, SNMP – Device Overview, etc.

» **Logs Reports** – Log Overview, Firewall Connections, User Authentication Dashboard, WAF Dashboard, etc.

» **Remote Site and Group Reports** - Sites and Apps Trends, 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 slowdowns 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 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 Factor - 3U form factor is available. Internal storage scales to tens of terabytes. Unlimited external storage options are available.*

 Integration:

» *Authentication - TACACS+, RADIUS, LDAP, Active Directory, Kerberos, and CAC.*

» *Third Party Network Performance and Security Management Products - ITRS, Junospace, McAfee, and Splunk.*

» *Third Party Threat Intelligence Feeds: Flat file, STIX/TAXII, and CrowdStrike JSON.*

Interested in learning more?

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