



NetTrident™

Real-time Enterprise Network Monitoring



Investigate and analyze distributed network segments, applications and services from a single, central location



Aggregate and correlate geographically distributed network data for deep packet inspection and analysis



Clear understanding and total visibility of the entire enterprise network including asymmetrically routed networks



Business continuity assurance, service availability, policy compliance and risk management



Maintain governance over globally distributed business assets and mission critical procedures

Features & Benefits

- ⊙ Aggregate, analyze and drill-down on data in real-time from distributed NIKSUN appliances
- ⊙ Complete aggregation and correlation of raw traffic, VoIP, SNMP, NetFlow and alarms on even asymmetrically routed networks
- ⊙ Remote forensic analysis of performance and security concerns across the enterprise
- ⊙ Drill-down to packet-level information for granular forensic analysis
- ⊙ Replace manual investigation processes with proactive discovery, classification and analysis of diverse applications and protocols
- ⊙ Option for integrated auto-analysis and decodes
- ⊙ Option for remote application reconstruction
- ⊙ Option for graphical representation of the network via interactive meters, graphs and alarms
- ⊙ Customizable high-level to packet views of distributed services and applications

Keeping an eye on business service delivery and network security across a distributed, global network from a central point of visibility and control is a significant challenge today. Moreover, working above the IP layer in a distributed environment necessitates stateful inspection which further complicates matters. Remote forensic analysis and service restoration practices in such environments are difficult but crucial to ensure security, SLAs, QoS and service availability. It is critical to be able to identify all security breaches and events that impact performance and immediately restore business assets from performance anomalies, security transgressions and policy violations. Accomplishing this in a large, distributed network environment is extremely challenging and requires intelligent and hierarchical aggregation, correlation and analysis of geographically distributed data (including packets, flow, SNMP, etc).

Enterprise Network Surveillance Solution

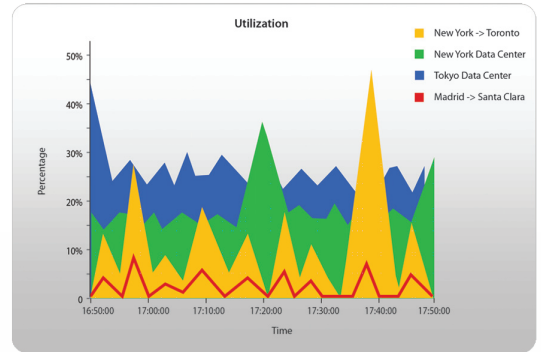
NetTrident is a network-wide monitoring and forensic analysis solution that provides a real-time, unified view of the enterprise network by aggregating and correlating data from distributed NIKSUN appliances even above the IP layer. It allows organizations to remotely identify, troubleshoot and resolve impediments to global service delivery processes for distributed enterprise networks and respond to performance, security and compliance incidents *as they occur* from a central point of visibility even in environments with asymmetrically routed networks. NetTrident helps standardize network operations and streamline the process of problem resolution through enterprise-wide forensic analysis, *from a central location*, in a logical and actionable fashion conducive to a "best practices" model and overall organizational success.

Enterprise Security and Service Management

NetTrident communicates with remote NIKSUN appliances that monitor various links on the global network for performance, security and policy compliance events. It aggregates information (Netflow, SNMP, packets, etc.) from all network applications, services and their underlying infrastructure while keeping state information to build an enterprise-wide Network Knowledge Warehouse that is a hierarchical and correlated collection of all enterprise network information. NetTrident presents key service delivery metrics from across the global network as a single view to simplify the process of forensics analysis, network trending, forecasting and baselining for network optimization.

Enterprise-wide Super Analyzer

Organizations can drill-down to packet level data of applications and services for quick root cause identification in real-time. NetTrident ensures that it properly merges stateful data from geographically distributed appliances. By correlating data from the application down to the packet layer along a serial or parallel path and merging packet traces from multiple links, NetTrident enables cross-organizational and geographic-based network security monitoring, application and service analytics and root-cause identification across multiple physical network links and/or locations.



Real-time Multi-link Analysis

Real-time Proactive End-to-end SLM & QoS Monitoring

NetTrident correlates real-time alarms from multiple locations, hops and segments for virtual aggregation of packet data for end-to-end SLA and QoS monitoring via NetSLM and NetRTX modules. One way delay, application response time, latency, loss, retransmissions, etc. can be accurately measured across the distributed enterprise network. NetTrident also enables switch/router monitoring and correlation across segments, including flow and MIB data.

Full Reconstruction of TCP Sessions and Applications

Organizations have the option to reconstruct applications and TCP sessions (chat, email, instant message, FTP, voice, video etc.) for a better understanding of a performance lag, security breach or policy violation. NetTrident offers strong search capabilities, including string search inside encoded data, for compliance, audit and interception. It enables session reassembly across multiple geographically dispersed links for true application level analytics.

Expert Auto-Analysis

Users may execute pre-written NetXperts scripts for automated performance and security analysis and may also write their own event-response scripts to suit their preferred ways of operation.

NetTrident is part of NIKSUN's NetOmni Suite and seamlessly interoperates with: *NetOmni* (enterprise-wide service delivery management portal), *NetX* (enterprise data aggregation & reporting tool) and *Central Manager* (remote appliance management console). Bundled with the rest of the NIKSUN NetOmni, organizations can define high level views into the network based on their responsibilities with real-time graphical alerts informing them of anomalies. The NetOmni Suite incorporates a comprehensive enterprise-wide reporting module that is configurable to a variety of metrics and time-lines. Reports may be generated on a scheduled, on-demand or ad-hoc basis. It is also possible to configure and manage remote NIKSUN appliances.

Technical Information

Form Factors: A variety of 1U and 2U form factors are available.

Integration: TACACS+, RADIUS, LDAP, Active Directory and a range of network performance and security management tools (SEIM, NMS)



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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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