

Proactive Network, Service & Application Monitoring

NIKSUN NetVCR is the world's first full-function appliance for advanced real-time network, service & application performance monitoring. NetVCR seamlessly integrates four vital functions in an integrated and scalable solution:

- Proactive End-to-end SLM/QoS Monitoring and Surveillance
- Online Continuous Super Analyzer from Link to Application
- Real-time and Historical Expert Analysis
- Multi-timescale Auto-analysis

The integration of these critical capabilities on a single appliance makes NetVCR the ultimate solution for proactive network management and surveillance. In today's high speed, global and universal IP environment the need for proactive management can now be met with NIKSUN's patented technology.

The unique architecture and design of NIKSUN's solution allows for quick and easy correlation of information to identify root-cause within a few mouse clicks! The advantage of aggregating several key functions onto a single appliance are many and range from reduced rack space requirements to simpler and faster ways to identify the root-cause of network problems. Moreover, NetVCR seamlessly integrates with other NIKSUN products, 3rd-party applications and network devices to provide an integrated solution dramatically increasing network, services & application Availability, Reliability and Quality.

NetVCR is the ultimate solution providing many benefits including:

- Proactive alerting from Link to Application
- Point-&-click web based Remote Diagnostics & Troubleshooting
- QoS Management and Reporting
- Capacity Planning/Trending
- Accounting/Usage including DiffServ
- Application/Services monitoring (e.g., eCommerce, Email, VoIP, Multicast, Custom Applications, etc.)
- Performance Analysis (e.g., Loss Rates, Delay, Network Latency, Jitter, Service/Application Response Time, Application Goodput, Network Throughput, etc.)
- Seamless integration with other management systems via SSL, FTP, SNMP v1,2,3, RMON I/II etc.

NetVCR is the only **single-point totally integrated solution** that immediately replaces three or more network performance monitoring & troubleshooting devices. NetVCR's scalable architecture easily adapts to Data center, Core network, Remote Branch or Central office requirements. NetVCR's specifications are scalable for LAN, MAN and WAN requirements.

Proactive End-to-end SLM/QoS Monitoring

NetVCR technology allows zero loss monitoring of both the network and network services for Enterprise, Carrier and ISP networks. NetVCR works from the link (packet, cell, frame, ...) layer all the way to the application layer and provides extremely flexible proactive alarming using various proactive NIKSUN solution modules. NIKSUN's patent-pending root-cause analysis technology intelligently links the alarm to the actual transaction including user, server, as well as transaction contents (if configured) for quick and easy root-cause identification.

NIKSUN NetVCR

On-line Continuous Super Analyzer

Real-time and Historical Experts

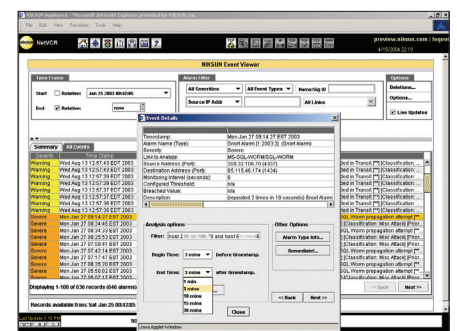
Real-time End-to-end SLM/QoS

Multi-timescale Auto-analysis

*An Integrated and Scalable Network Monitoring Solution that increases **network productivity**, **reduces costs** & **maximizes customer satisfaction***

Benefits

- 100% visibility into your network in real-time
- Capture network events the first time
- End-to-end proactive network & application performance monitoring and troubleshooting
- Superior drill-down forensic analysis
- Integrated performance reports on *all* traffic
- Unlimited storage (add as you grow)
- Secure and easy-to-use web interface
- Extensive 3rd-party compatibility
- All capabilities integrated into a turnkey solution



Event Viewer Alarm Details



www.niksun.com

Online Continuous Super Analyzer (Link to Application)

NIKSUN was the first on the market to provide a data repository of actual traffic from hours to days to months. This capability along with highly compressible representation of transaction knowledge makes NetVCR function as a "super analyzer". This allows NetVCR's customers to sleep well at night knowing that they can always "rewind" to the problem and diagnose it from anywhere and at any time.

NetVCR is the next generation continuous online network analyzer which passively and continuously measures, records and reports on every network flow in real-time at production network traffic rates. With shared workspace and web-based network-to-application layer analysis, NetVCR allows users to collaborate across the globe to troubleshoot and diagnose difficult problems using any standard web browser. While users analyze and diagnose current or past problems, NetVCR continues to capture, report on and analyze current problems without loss. There is no "capture limit" as imposed by other legacy analyzers. NetVCR diagnoses problems the first time they occur and significantly speeds up recovery times over traditional tools.

Multi-timescale Auto-analysis Across All OSI Layers

NetVCR supports multi-timescale monitoring (packet-by-packet, fractions of seconds, to minutes, hours, days, ...) and multi-level monitoring (link, to application level) enabling users to start at a high-level view and zoom down to application and/or hosts to detect and analyze short time events (undetected when data is aggregated by the minute) quickly identifying root-cause.

Real-time & Historical Experts, and Alarming

The optional expert NIKSUN solution modules, NetRTX, NetXperts and NetSLM bring powerful real-time experts and alarming to aid network operations & trouble-ticketing personnel to quickly resolve issues from the network to application layers.

Other Integrated Capabilities

Continuous Recording & Storage of Network Traffic: 146GB to 2.7TB in-appliance storage. Unlimited SAN storage support.

On-Demand & Scheduled Reports: NIKSUN NetReporter solution module generates reports, on demand or scheduled, from the link to the application layers.

Web access and Large-scale Deployment: NetVCR's web-based interface enables remote access from any computer using standard Web browsers (Microsoft IE, Netscape). TACACS+ & RADIUS support allows administrators to centrally authenticate and manage users. NetVCR's distributed and scalable architecture provides for complete and correlated monitoring in large-scale environments.

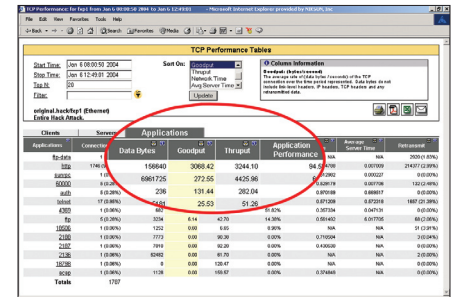
Interfaces Supported: Ethernet: 10Mbps, 100Mbps, 1000Mbps (copper/fiber), 10Gbps Fiber, T1/E1 (channelized/clear), V.35, X.21, T3/E3 (clear), HSSI, PoS (Packet over SONET) at OC-3/STM-1 & OC-12/STM-4 (scrambled/unscrambled), ATM over DS3, OC-3/STM-1, OC-12/STM-4 & FDDI.

Protocols Supported: TCP/IP, UDP/IP, IPv6, MPLS, Frame Relay, PPP, Bay PPP, CISCO HDLC, ATM, MLPPP, WCP, STAC, VLAN (ISL & IEEE 802.1q), IEEE 802.3(Ethernet), IP fragments.

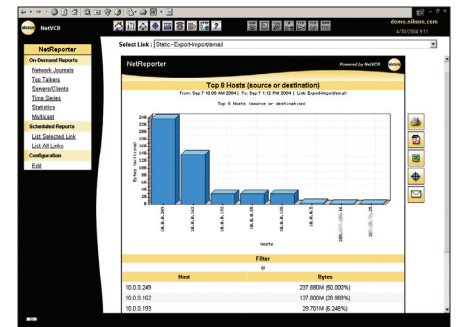
Form Factors: A variety of rack mountable 1U, 2U and 5U form factors are available, for data centers, core networks, central offices, remote branch applications, etc.



Traffic Analysis Screen



TCP Performance Details



Reports generated by NetReporter (e.g., Top Talkers)



NIKSUN NetVCR appliance (2U Chassis)

NIKSUN, the NIKSUN logo, NetDetector are either registered trademarks or trademarks of NIKSUN, INC. in the United States and/or other countries. Other product & company names mentioned herein may be the trademarks of their respective owners. NIKSUN, INC. shall not be liable for damages of any kind for use of this information, which is subject to change without notice. Copyright© 2005 NIKSUN, INC. All rights reserved. NK-DS-NV06.1



www.niksun.com