OBSERVER® 12

New Features Guide

GigaStor™ Security Forensics

Observer Reporting Server

MPLS Analysis

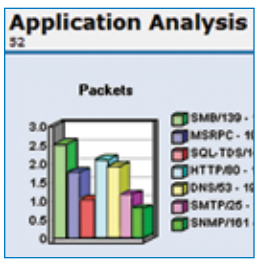
Application Analysis

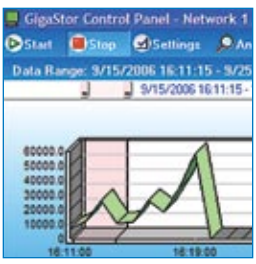
Automated MultiHop Analysis

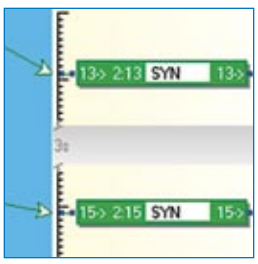
VoIP Expansion with Avaya and Nortel

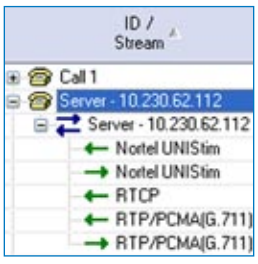
SSL Decryption

IPv6









Observer 12 includes Security Forensics, a new Reporting Server, an enhanced interface, integrated support for MPLS, greater expansion in VoIP analysis, automated MultiHop Analysis, SSL decryption, and is the first analyzer to fully support IPv6. To download a demonstration version visit www.networkinstruments.com

GigaStor™ Security Forensics

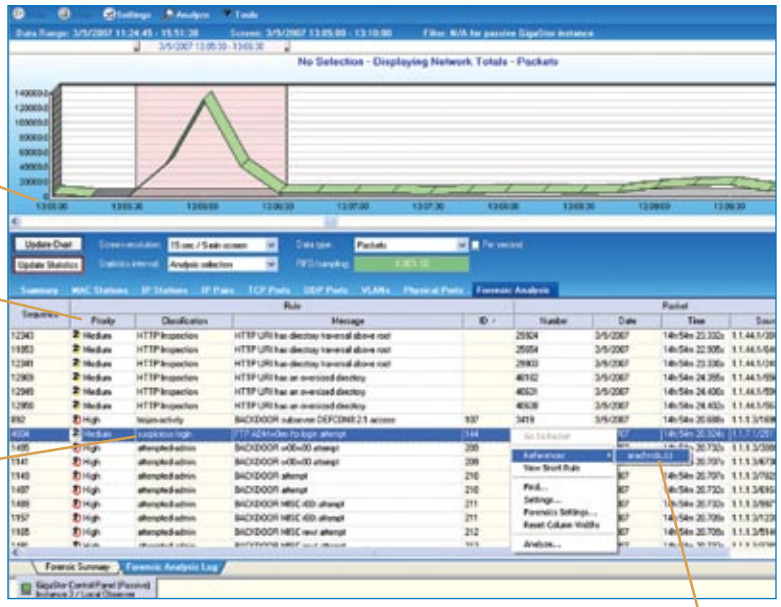
Is it the network, is it the application, or is it a security issue? The Network Instruments® GigaStor now provides retrospective network analysis for security concerns making it easy to pinpoint the nature of the problem.

First, the GigaStor operates like a security camera, recording every action occurring on the network. Next, if a breach is suspected, the GigaStor compares the breach to thousands of network attacks and anomalies with "Snort style" IDS functionality. Finally, once identified, the GigaStor provides drill-down analysis to the packet level to determine the source and time of the occurrence.

Security Forensics benefits:

- View security and access violations in context of what else was happening on the network
- Validate and provide evidence for compliancy and security issues
- Go back in time and find the source of zero-day violations
- Break down the silos of various IT department factions (troubleshooting and security) by delivering data to both
- Reconstruct network communications, files, web pages (including images), instant messaging texts, e-mails, and VoIP calls

Security Forensics is available with every GigaStor appliance.



New Security Forensics in the GigaStor makes it easy to separate network, application, and security problems.

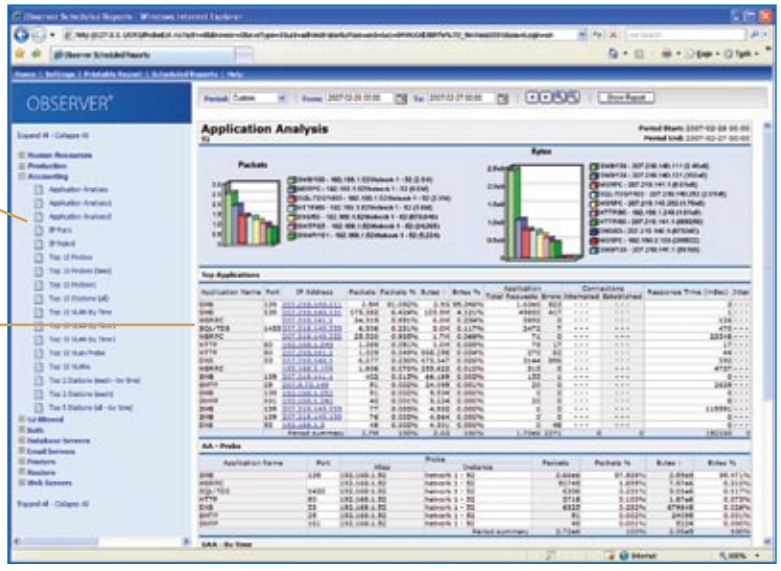
Observer Reporting Server – NEW PRODUCT

Gain high-level aggregate reporting on network and application activities across the enterprise with the new Observer Reporting Server. Optimize network performance by combining high-level performance monitoring with root-cause analysis in a seamless solution that can scale to collect data from hundreds of Observer probes.

Observer Reporting Server benefits:

- Enterprise-wide reporting on all network activity collected by Observer
- Segment reports by individual business units or user groups
- Drill down with Observer for root-cause analysis
- Assess developing trends to prepare for capacity expansion
- Aggregate data from Observer Probes, NetFlow devices, and other collection agents on the network

The Observer Reporting Server is available as a software-only license, a stand-alone rack mountable appliance, or in an appliance with the Observer Suite console.



Collect data from hundreds of data points, and segment reports by user group or business unit with the new Observer Reporting Server.

MPLS Analysis

For those organizations moving to MPLS, Observer now provides complete MPLS analysis. Utilize Observer to obtain a detailed breakdown of your MPLS network, pinpoint MPLS problems, and measure performance before and after the MPLS migration.

Observer MPLS benefits:

- Judge network performance before and after MPLS implementation with Observer's baselining and trending capabilities
- Isolate MPLS issues quickly
- Track varying MPLS priorities
- Scrutinize Service Level Agreements by creating MPLS-specific alarms
- Segment MPLS data by label, CoS (Class of Service), and embedded protocol type

Available in Observer Expert and any Observer Probe running Expert software.

Observer now provides complete reporting on MPLS statistics

Application Analysis

Countless organizations use Observer for isolating application problems. Observer provides true application response time, allowing you to prioritize, configure, and optimize your application performance. Version 12 now offers integrated support for more applications, including:

- Microsoft Networking (Server Message Block) **NEW**
- Citrix
- Oracle
- VoIP
- MS Exchange
- HTTP
- DNS
- FTP
- POP3
- Telnet
- SMTP
- SNMP
- SQL

Utilize Observer's Application Analysis to:

- Track application session flows and failed transactions
- Receive statistics on errors and monitor response times
- Obtain up-to-the-minute application performance

With Version 12, you can **set an alarm to trigger on Application metrics**. This robust system ensures your network engineers know about application problems before they affect users.

All Application Analysis enhancements are available within Observer Expert or any Observer Probe running Expert software.

Automated MultiHop Analysis

Observer's MultiHop Analysis tracks conversations or transactions as they traverse multiple segments, hops, and routes. This helps isolate and identify transaction problems, such as delay and intermittent connectivity, caused by network congestion, fragmentation, and packet loss.

With version 12 MultiHop Analysis is automated. Observer can now start simultaneous packet captures from different network segments and then automatically synchronize the buffers to find delay and packet loss.

Use MultiHop Analysis to:

- Pinpoint bottlenecks within specific conversations
- Verify if service providers are performing to their Service Level Agreement
- Determine the cause of network slowdowns

All MultiHop enhancements are available within Observer Expert or any Observer Probe running Expert software.

MultiHop answers the critical question: Is it the access layer, the core, or my service provider causing the delay?

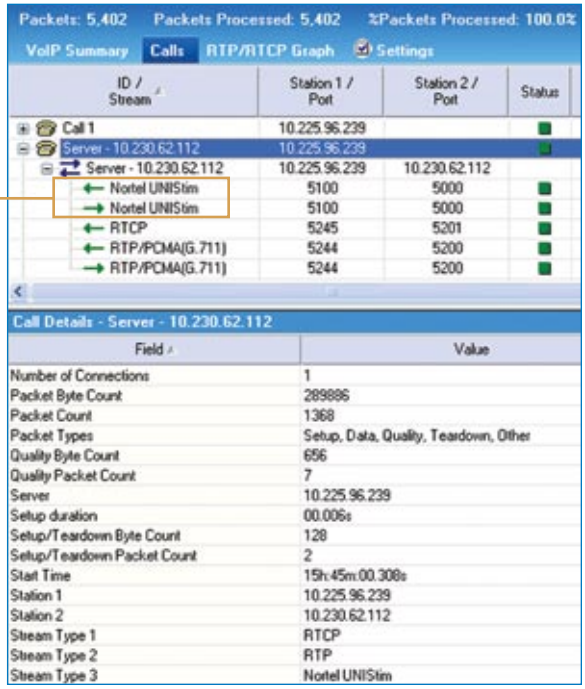
VoIP Expansion with Avaya and Nortel

According to a recently released Network Instruments survey, the adoption of VoIP will continue to increase during 2007 with 30 percent planning to implement the technology in the next 12 months. Network Instruments continues to invest in and expand the Observer VoIP offering to provide greater support to the countless engineers that use Observer to monitor and optimize VoIP traffic.

Observer's VoIP Analysis includes:

- Support for Avaya CCMS **NEW**
- Support for Nortel UNIStim (licensed separately) **NEW**
- Support for SIP, SCCP (Cisco Skinny), H323, and MGCP
- Long-term trending for call detail records
- Expert Events

VoIP Analysis is available in Observer Expert. Support for Nortel UNIStim is available as an add-on option. For complete VoIP survey results visit the Network Instruments web site.



VoIP Call Detail Record

IPv6

In line with a recent government mandate requiring that all government agencies support IPv6 by 2008, Observer now tracks, reports, and monitors IPv6 traffic. All Observer data is listed with the appropriate IPv6 address displayed and, more importantly, IPv6 has been pulled through and integrated with all Observer features, including Forensics, Application Analysis, Expert, and VoIP Analysis.

Available across all Observer consoles and Probes.

SSL Decryption

Observer now provides the capability to decrypt Secure Socket Layer (SSL) data traversing the network. SSL is primarily used to secure Internet communications but is also utilized in TCP ports and can transfer files using SFTP or SCP connections.

With Observer you can:

- Configure Observer with SSL certificates to decrypt secure data
- Troubleshoot problems by accessing packet-level detail

Available across all Observer consoles and Probes.

About Network Instruments
Network Instruments provides in-depth network intelligence and continuous network availability through innovative analysis solutions. Enterprise network professionals depend on Network Instruments' Observer product line for unparalleled network visibility to efficiently solve network problems and manage deployments. By combining a powerful management console with high-performance analysis appliances, Observer simplifies problem resolution and optimizes network and application performance. The company continues to lead the industry in ROI with its advanced Distributed Network Analysis (NI-DNA™) architecture, which successfully integrates comprehensive analysis functionality across heterogeneous networks through a single monitoring interface. Network Instruments is headquartered in Minneapolis with sales offices worldwide and distributors in over 50 countries. For more information about the company, products, technology, NI-DNA, becoming a partner, and NI University please visit www.networkinstruments.com.

Solution Bundles
Contact a Network Instruments representative or dealer to ask about product bundles that cover all of your network management needs.

NETWORK INSTRUMENTS®

Corporate Headquarters
Network Instruments, LLC • 10701 Red Circle Drive • Minnetonka, MN 55343 • USA
toll free (800) 526-7919 • telephone (952) 358-3800 • fax (952) 358-3801
www.networkinstruments.com

European Headquarters
Network Instruments • 7 Old Yard • Rectory Lane • Brasted, Westerham • Kent TN16 1JP • United Kingdom
telephone + 44 (0) 1959 569880 • fax + 44 (0) 1959 569881
www.networkinstruments.co.uk

ONF-032007-V12-B1