

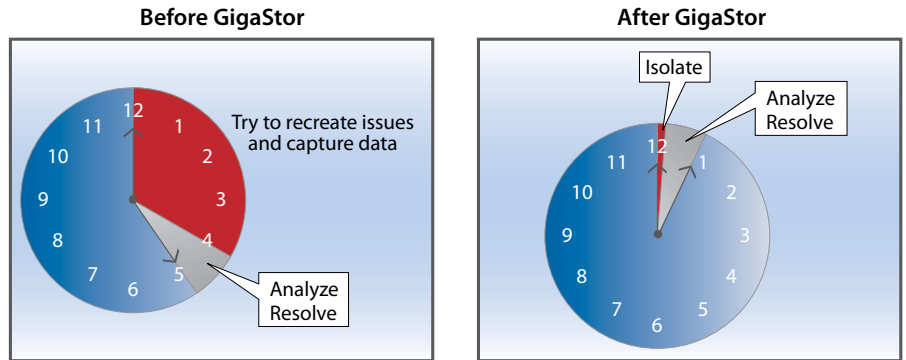


Retrospective Network Analysis

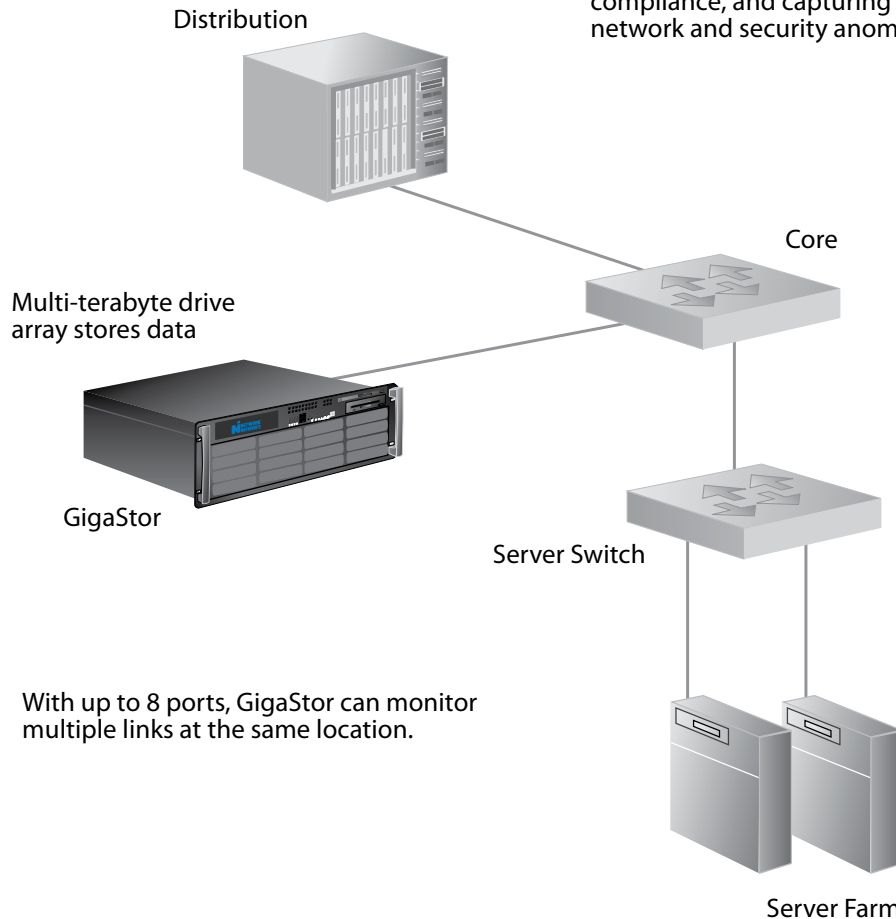
Stop waiting and start solving. Isolating and troubleshooting network, application, and security issues is simple when you can go back in time with GigaStor. GigaStor captures every transaction, every packet, every protocol, and it can store hours, days, weeks—even months of traffic. With this data and GigaStor's unique, time-based navigation, your network team has the benefit of 20/20 hindsight to tackle every network problem and anomaly. Now it is easy to “rewind” your network, determine the source of the problem, perform comprehensive analysis, and move on.

Turn Back Network Time

- Solve intermittent problems without having to recreate them
- Document compliance violations and provide evidence
- Isolate application issues by locating the problematic transaction
- Identify and view attacks and security anomalies in context of other network activities
- Answer VoIP call quality concerns by tracking over 70 VoIP metrics



The GigaStor is ideal for data mining, data retention compliance, and capturing network and security anomalies.



GigaStor: Get proof. Take action. Move on.

By capturing and saving every packet traversing the network, GigaStor makes it easy to “rewind” your network, determine the source of the problem, perform comprehensive analysis, and move on. Use GigaStor to provide complete visibility into any network, application, or security problem. For example:

Network Troubleshooting

The help desk receives a notice of poor call quality sporadically impacting a specific user’s VoIP phone. All other phones are functioning properly, and aggregate statistics show that overall VoIP quality is high. A quick check of network statistics reveals that while some links have periodically experienced high usage, overall network usage appears to be normal.

Resolving network troubles with GigaStor is an easy three-step process:

1) Isolate the timeframe and user

Use GigaStor’s unique time-based navigation system to select the appropriate timeframe and the user reporting the problem.

2) Drill down on the call

Select the specific time of interest around the user’s VoIP call attempt.

3) Let the Expert do the work

Use GigaStor’s comprehensive VoIP Expert with call detail records and aggregated VoIP health statistics to diagnose the issue. In this case the engineer determined based upon Expert analysis that the phone set was mistakenly configured to send packets with an incorrect TOS/Precedence Setting. When trying to converge over a router during peak usage, the lack of QoS resulted in contention, which caused poor call quality.

1

Isolate



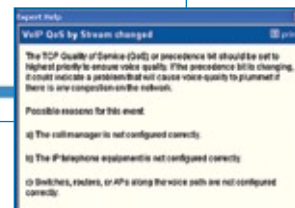
2

Drill Down



Resolve

3



Compliance

GigaStor can provide network visibility and document any potential policy violation.

An employee was being reviewed for possible dismissal by human resources. Among the offenses, the employee was accused of browsing prohibited web sites. The network team was tasked with providing conclusive proof to HR of the infraction; providing only domain names and web addresses was not enough.

1) Isolate the timeframe

Rather than starting a packet capture and monitoring on-going activity, the administrator uses GigaStor to quickly isolate the employee’s most recent web activity. Using the GigaStor control panel, select the timeframe when the selected activity occurred.

2) Drill down on user data

Next, the engineer selects the specific user, whose traffic patterns are graphed to display periods of excessive activity from the system in question. The filtered data reveals all the web sites visited by the employee.

3) Get proof

By right-clicking on any Internet address, GigaStor can reconstruct the captured packets into the original web pages. The reconstructed web pages offer solid proof that the employee visited a prohibited site.

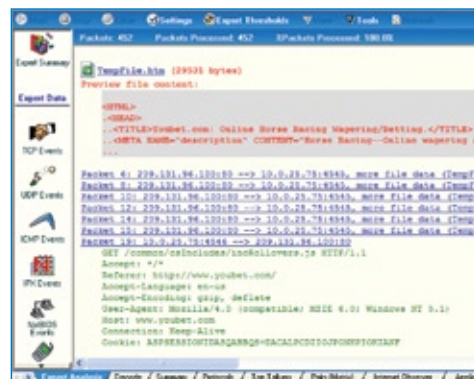
Isolate

1



Drill Down

2



3

Document



Gen2™ Technology

All Network Instruments full-duplex, gigabit, 10 Gb, and Fibre Channel GigaStor products include the Gen2 capture card designed by Network Instruments. The card takes advantage of 64-bit Observer to guarantee the fastest real-time processing and the largest capture buffers (24 GB) available. The Gen2 card delivers analysis port flexibility with the ability to monitor up to eight-gigabit ports (up to two ports per box for 10 Gb links) for any simultaneous combination of SPAN sessions, full-duplex connections, or trunked links. Gen2 also ensures accurate timestamping across multiple links by relying on one card (one clock) with nanosecond resolution to timestamp data across each link.



Gen2 Gigabit Capture Card

GigaStor Hardware Options (A 2U appliance (not pictured), capturing up to 2TB, is also available)



3U appliance captures up to 4TB of data



4U appliance captures directly to a SAN



4U appliance captures up to 8 TB or 12 TB of data



GigaStor Portable captures data in the field

GigaStor Rack Mount Specs

Platform 2U, 3U, or 4U Rack Mount Probe

System Specs A complete appliance, running 64-bit Windows XP, high-performance RAID array, includes 10/100/1000 Ethernet management NIC, utilizes Gen2 capture card

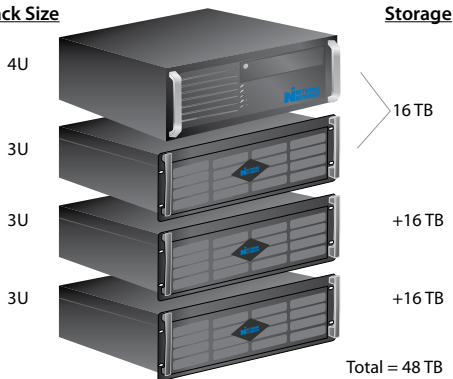
Note: 2 TB GigaStor not pictured

GigaStor Portable Specs

Platform Luggable, all-in-one unit

System Specs Includes Observer Suite and GigaStor Probe Software. Capture card and memory buffer vary based upon configuration

Rack Size



GigaStor Expandable

The GigaStor expandable configuration allows growing enterprises flexibility and scalability for performing retrospective network analysis. Start with a 16 TB hardware appliance and add an additional 16 TB or 32 TB of storage as necessary. Each appliance captures gigabit, WAN, or 10 Gb traffic at line rate. Additional drives also provide substantially better write speeds.

Expandable Benefits:

- Higher performance
- Investment protection
- Longer recording times

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.



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