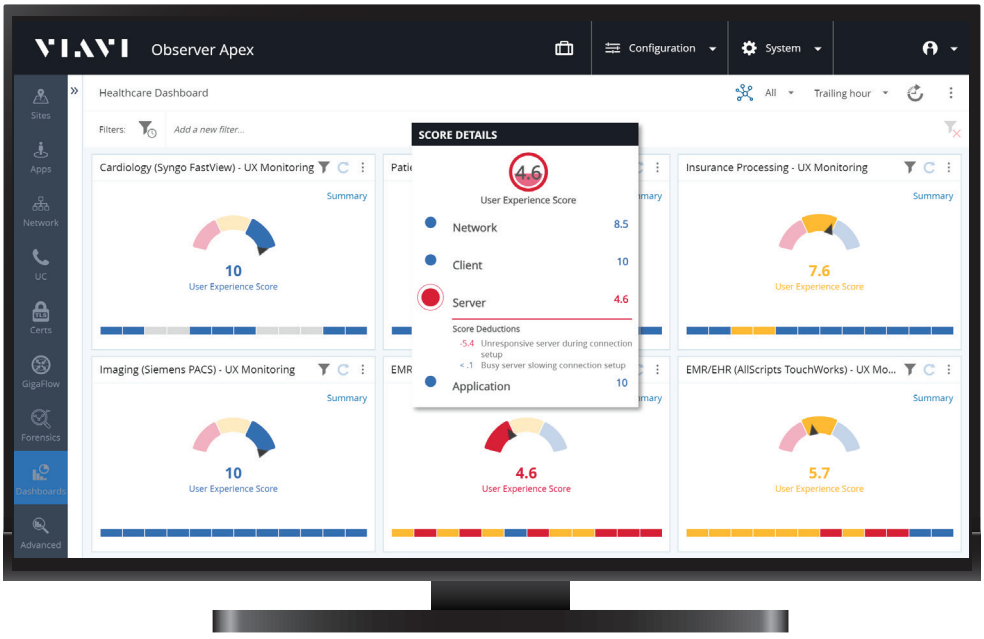
Brochure

Observer GigaStor and GigaStor M

Packet-Based Forensics and Metadata creation for End-User Experience Scoring, Performance Analysis and Threat Visibility

When combined with Observer Apex, Observer GigaStor and GigaStor M provide packet-level forensic analysis and packet-derived metadata to power its patented End-User Experience (EUE) scoring. As part of the Observer platform, GigaStor ensures deep visibility into network conversations, applications, and security events, enabling rapid troubleshooting and performance optimization, and forensic investigations across networks of any size—from branch offices to core data centers.



Observer Apex custom dashboard and End-User Experience Scorecard with automated domain isolation

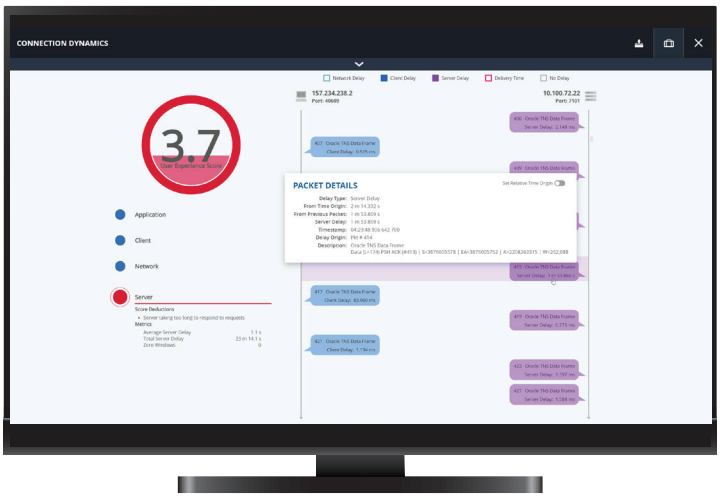
Seamlessly integrated into Observer Apex, GigaStor enables:

- **Visibility Where You Need It:** Line-rate packet capture and metadata creation from the remote branch to the data center.
- **Real-Time Analysis:** Monitor IT service health with both in-depth and enterprise-wide insights.
- **Instant Analysis:** Optimized workflows guide you from End-User Experience scores for services and sites to conversation-level forensic data within seconds for faster decision-making and problem resolution.

Beyond EUE scoring, GigaStor delivers in-depth visibility into well-known and custom applications, extending its analytics well beyond basic KPIs. Expert analysis uncovers service errors and response codes embedded in payload data—insights crucial when issues originate outside of network operations. These insights drive faster troubleshooting and an improved user experience.

Every Second Matters – Never Miss a Critical IT Anomaly

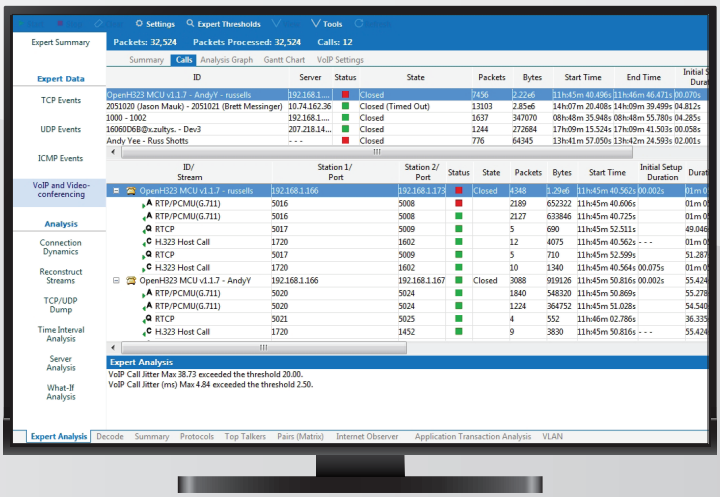
Observer GigaStor, paired with Apex, helps IT teams easily navigate back-in-time and review network activity to the moment in question for detailed packet-level information of the problem, suspicious transactions, or malicious events.



With its intuitive time-based navigation interface, IT teams can pinpoint precisely when a problem occurred—down to the nanosecond—for accurate root-cause identification. This real-time forensic capability accelerates incident resolution, minimizes downtime, and ensures a seamless end-user experience.

Root-Cause Analysis with High-Speed Packet Capture

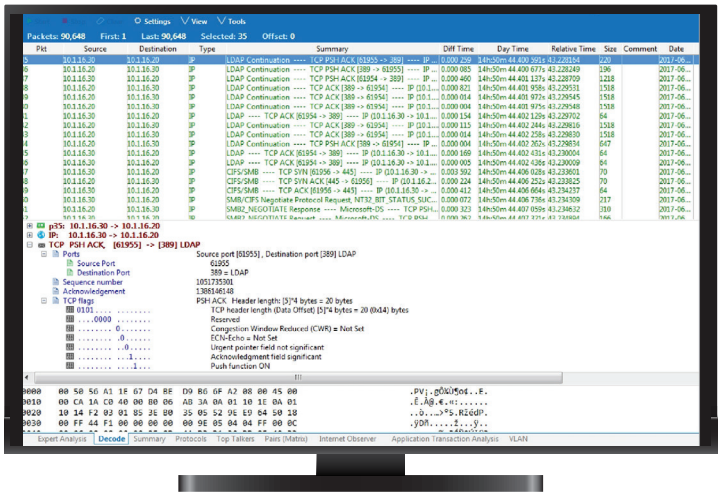
Observer GigaStor and GigaStor M provide high-speed packet capture, metadata creation, and root-cause analysis, ensuring IT teams can quickly diagnose and resolve network performance, application, and security issues. With a custom capture and analysis card, GigaStor delivers deep transaction-level visibility. This hardware-based design integrates packet processing and analytics, ensuring seamless performance in high-speed enterprise networks.



By tracking key metrics such as bandwidth utilization, network top talkers, application response times, and VoIP quality, GigaStor eliminates blind spots and accelerates issue resolution. Its industry-leading write-to-storage speeds ensure that every network conversation is retained for retrospective analysis, helping teams pinpoint performance bottlenecks, suspicious activity, or security incidents with confidence.

Network Security Forensics

GigaStor acts as a network eyewitness, identifying whether issues stem from the network, application, client, server, or security threats. GigaStor enables detailed forensic analysis for troubleshooting, compliance validation, and security investigations by passively capturing and archiving all network traffic. Beyond resolving performance issues, GigaStor enhances security strategies by providing essential data for post-event investigations. In the event of a breach, packet-level forensics detail which assets were compromised, aiding in response and remediation efforts.



Fault-Tolerant, Scalable Storage for Unmatched Performance

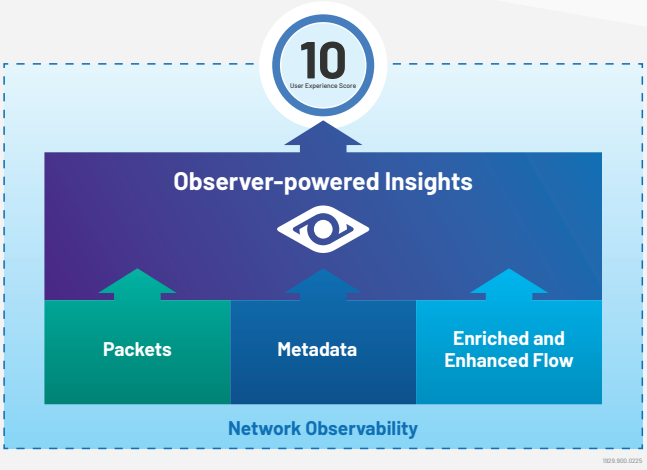
GigaStor and GigaStor M are engineered for continuous, high-performance operation, featuring a state-of-the-art hardware platform optimized for ease of deployment and high availability. Optimized to provide the highest performance and storage capacity with space-saving designs, these solutions keep rack unit space to a minimum, while delivering powerful network visibility. Equipped with custom capture cards and tuned components, GigaStor supports transaction-level visibility from lower-speed interfaces at remote sites to 100Gb network interface speeds in the data center while maintaining full packet retention for in-depth analysis. With expanded storage configurations of up to five petabytes, GigaStor ensures long-term data retention and reliable, 100% duty-cycle traffic analysis—operating 365/24/7 without packet loss.

Designed for flexibility and economic scalability, GigaStor delivers low cost per terabyte of storage with the option of deploying metadata generating appliances. Flexible storage options allow organizations to tailor capacity to their specific needs, optimizing investments without compromising performance. By reducing overall solution costs, GigaStor offers a cost-competitive alternative to entry-level packet capture solutions while still providing enterprise-grade visibility, long-term data retention, and industry-leading network forensics.

> "In the financial industry, losing any data is a big deal. That's why we use Observer GigaStor to ensure we see everything."
>
> - Chicago Board Options Exchange

Observer Platform: Complete Network Visibility and Performance Monitoring

The Observer platform provides comprehensive network performance monitoring (NPM) and security intelligence, enabling IT teams to proactively manage service health, optimize performance, and resolve issues quickly. At its core, **Observer Apex** delivers real-time visibility, forensic insights, and rapid root-cause analysis, powered by packet data, enriched flow, and metadata.



GigaStor and **GigaStor M** play a critical role in this ecosystem by capturing and storing network transactions, ensuring seamless access to historic forensic data for troubleshooting and detailed security analysis.

Observer helps IT teams by providing:

- **Network Observability:** Comprehensive visibility across hybrid environments—Gain real-time insights into network performance, security, and end-user experience across on-premises, cloud, and hybrid architectures—ensuring no blind spots in your IT Infrastructure.
- **Deep Performance and Security Intelligence:** Leverage packet capture, enriched flow, and metadata to analyze service health at every level—from enterprise-wide to individual devices and end-users. Quickly identify performance bottlenecks, security anomalies, and root cause of disruptions.
- **Flexible and Scalable Deployment:** Deploy GigaStors where you need them—whether it's a single site, across multiple locations, or enterprise-wide—with scalable solutions like GigaStor Branch and GigaStor M and pricing and subscription options that align with OpEx or CapEx budgets.

With Observer, IT teams gain complete network and threat visibility, deep forensic insights, and faster problem resolution—ensuring optimized performance without compromise.

> "Observer lets us quickly isolate and resolve routing and retransmission issues with the e-mail server. Without GigaStor, we could have spent hours trying to replicate the slowdown."
>
> - Central Du Page Hospital

GigaStor

GigaStor is also available as software, the GigaStor Software Edition (GSE), for monitoring in the cloud or using an on-premises server.

Product	Catalog Number (SKU)	Monitoring Interfaces	Storage Capacity (TB)	Rack Footprint	WTD Performance (Gbps)	WTD + Metadata (Gbps)
GigaStor 4G	G5-GS-B-004-4X10 G5-GS-B-004-8 x 10	4 x 1/10 Gb or 8 x 10 Gb*	48	2U	4	4
GigaStor 4G+	G5-GS-P-004-4X10 G5-GS-P-004-8X10	4 x 1/10 Gb or 8 x 10 Gb*	132	2U	4	4
GigaStor 10G	G5-GS-B-010-4x10 G5-GS-B-010-8X10 G5-GS-B-010-2X40 G5-GS-B-010-2X100	4 x 1/10 Gb or 8 x 10 Gb* or 2 x 40 Gb or 2 x 100 Gb	96	2U	10	10
GigaStor 10G+	G5-GS-B-020-4x10 G5-GS-P-010-8X10 G5-GS-P-010-2X40 G5-GS-P-010-2X100	4 x 1/10 Gb or 8 x 10 Gb* or 2 x 40 Gb or 2 x 100 Gb	264	2U	10	10
GigaStor 20G	G5-GS-B-020-4x10 G5-GS-B-020-8X10 G5-GS-B-020-2X40 G5-GS-B-020-2X100	4 x 1/10 Gb or 8 x 10 Gb* or 2 x 40 Gb or 2 x 100 Gb	192	2U	20	20
GigaStor 20G+	G5-GS-P-020-4x10 G5-GS-P-020-8X10 G5-GS-P-020-2X40 G5-GS-P-020-2X100	4 x 1/10 Gb or 8 x 10 Gb* or 2 x 40 Gb or 2 x 100 Gb	528	2U	20	20
GigaStor 40G	G5-GS-B-040-8X10 G5-GS-B-040-2X40 G5-GS-B-040-2X100	8 x 10 Gb* or 2 x 40 Gb or 2 x 100 Gb	384	6U	40	40
GigaStor 40G+	G5-GS-P-040-8X10 G5-GS-P-040-2X40 G5-GS-P-040-2X100	8 x 10 Gb* or 2 x 40 Gb or 2 x 100 Gb	1056	6U	40	40
GigaStor 60G	G5-GS-B-060-8X10 G5-GS-B-060-2X40 G5-GS-B-060-2X100	8 x 10 Gb* or 2 x 40 Gb or 2 x 100 Gb	672	6U	60	60
GigaStor 60G+	G5-GS-P-060-8X10 G5-GS-P-060-2X40 G5-GS-P-060-2X100	8 x 10 Gb* or 2 x 40 Gb or 2 x 100 Gb	1848	6U	60	60

ObserverONE

Product	Catalog Number (SKU)	Monitoring Interfaces	Storage Capacity (TB)	Rack Footprint	WTD Performance (Gbps)	WTD + Metadata (Gbps)
ObserverONE	G5-OBS1-010-4x10 G5-OBS1-010-8X10 G5-OBS1-010-2X40 G5-OBS1-010-2X100	4 x 1/10 Gb or 8 x 10 Gb* or 2 x 40 Gb or 2 x 100 Gb	192	2U	10	10

GigaStor M

Product	Catalog Number (SKU)	Monitoring Interfaces	Storage Capacity (TB)	Rack Footprint	WTD Performance (Gbps)	Metadata (Gbps)
GigaStor M 10G	G5-MDP-010-4X10	4 X 1/10 Gb	—	2U	—	10
GigaStor M 60G	G5-MDP-060-8X10 G5-MDP-060-2X40 G5-MDP-060-2X100	8 x 10 Gb* or 2 x 40 Gb or 2 x 100 Gb	—	2U	—	60

* These cards contain two (2) x 40G interfaces that use breakout cables with four (4) x 10G connections each, enabling an 8 x 10G configuration. These cannot convert into two (2) x 40G cards.

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