

Benefits

- World's fastest data ingest with 90GB/sec throughput
- Unmatched GPU virtualization and GPUDirect performance
- [Proven with Graphistry](#) and [Validated by NVIDIA](#)
- Superior Cybersecurity threat detection and response
- Perform petabyte-scale visualization on data sets and sources otherwise too large to use

Features

- Hybrid cloud storage with simultaneous block, file, and object (S3) protocols
- Ultra-low latency for uninterrupted visual investigation
- Capacity to handle multiple petabytes in a highly dense 4U footprint
- Scale with near-linear performance across chassis as demands increase

Visually Investigating Patterns in Logs with GPUs at Scale

High Performance Storage Enables Breakthrough Graph Analytics for Cybersecurity

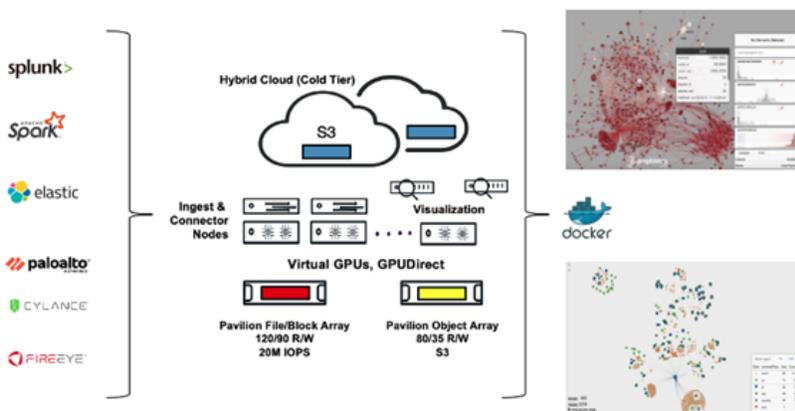
Cybersecurity workflows leveraging Pavilion optimize data ingest streams, lower query response times, store more data and allow for rapid visualization and real-time threat response. Pavilion's storage platform offers universally unmatched storage enabling Cyber teams to reimagine what is possible.

Only a few visualization tools take full advantage of GPUs and NVIDIA MagnumIO GPUDirect™ Storage to deliver real-time graph analytics across petabytes of incoming and stored data. One of these is Graphistry's breakthrough software and pipeline technology. When combined with NVIDIA GPUs and GPUDirect along with Pavilion's universally unmatched storage, customers achieve next-generation interactive GPU visualization for incident response, SIEM optimization, and threat hunting across market segments, including financial services, federal agencies, and data science.

Graphistry unlocks the potential of data by turning raw records into highly visual and interactive incident maps. Graph-based analysis reveals hidden connections and context across large volumes of data, and within seconds lets analysts see key relationships, event scope, and progression, patterns, anomalies, and more - all without writing a manual query or tabbing between tools. Then easily drill down and pivot on the fly to follow the investigation.

The unrivaled performance of the Pavilion HyperParallel Data Platform™ enables Graphistry customers to analyze data sets at petabyte scale, with the performance of internal NVMe SSDs in GPU and CPU-based systems.

How it works:



Graphistry provides direct native connectors to the most widely used data sources such as Splunk, Elasticsearch, and Spark. An HTTP connector is also available to work with virtually any data source. In addition, Pavilion's unmatched data ingest (with write speeds up to 90GB/sec) allows for virtually unlimited log collection with extreme high-speed data ingest.

Graphistry also offers Ontology and Semantic support for data correlation for Splunk CIM, Elasticsearch Plugins, and individual vendor tools like FireEye, Palo Alto Networks, and Cylance. This assures those visual analytics are all speaking the same language. Pavilion's high throughput and low latency ensure seamless integration.

With industry-leading [GPU virtualization](#) and unmatched performance with NVIDIA, Pavilion enables investigative visualization and graph analytics at a scale unsupported by the internal memory of GPU-based systems. Pavilion's HyperParallel Data Platform houses 2.2PB in a single 4U system and achieves near-linear scaling as more systems are added to the storage cluster. For low-cost hybrid cloud tiering, Pavilion supports object storage and the S3 interface.

"Historically, teams have been excited to analyze logs at speed-of-thought by trying GPU acceleration, but bigger-than-memory datasets have always been difficult to connect to," said Leo Meyerovich, CEO and founder of Graphistry. "Now that we can connect GPUs to Pavilion's HyperParallel Data Platform, we can automatically keep the GPUs running at high rates on large data sets without waiting on the storage tier, so analysts can focus more on investigating and less on massaging queries."

As Cybersecurity workflows become increasingly more complex, Graphistry, NVIDIA, and Pavilion deliver the highest fidelity at scale to visualize key relationships, patterns, and anomalies in real-time.

About Pavilion

Pavilion shatters customer expectations and resulting organizational outcomes by revolutionizing data processing for modern AI/ML, HPC, Analytics, Enterprise Edge and other data-driven applications. The Pavilion HyperParallel Data Platform, powered by Pavilion HyperOS, delivers unmatched performance and density, ultra-low latency, unlimited scalability and flexibility, providing customers unprecedented choice and control. Learn why Fortune 500 companies and federal government agencies choose Pavilion. Visit pavilion.io or follow the company on [LinkedIn](#).