

Benefits

- High performance S3 object store
- Unmatched scalability
- Persistent data store for containers
- Snapshots and clones for S3 export
- Block, File & Object protocols
- Unified Data Lake Storage

Features

- Unmatched, linear scale of performance and capacity across systems
- Up to 80GB/s S3 read performance per system
- Up to 35GB/s S3 write performance per system
- Ability to simultaneously support block and file data on the same system

Pavilion High Performance Object Storage

Meet the Performance and Capacity Needs of Data Analytics, Machine Learning, and Deep Learning Use Cases with Universally Unmatched High Speed S3 Storage

Object storage, which was thought of only as big and slow, has become the standard for high performance storage of large datasets. Fast object storage enables organizations to support a range of workloads, such as AI/ML, deep learning, and big data analytics, all of which require high throughput, low latency access to massive datasets.

High speed object storage can provide data lakes for applications including:

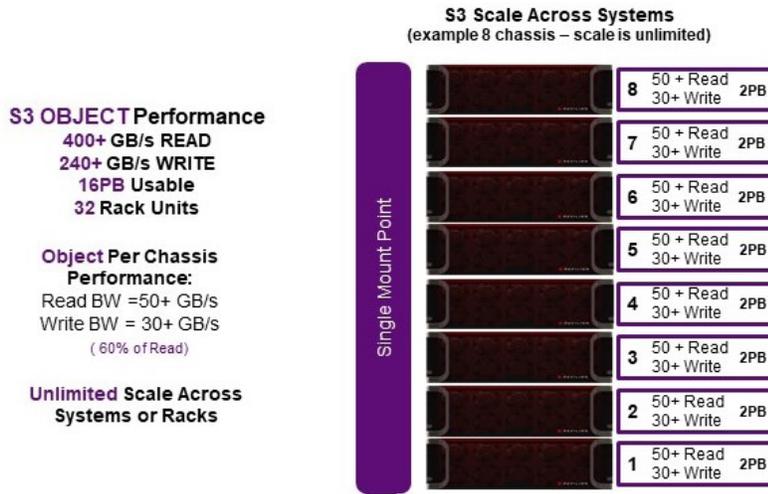
- AI/ML and deep learning training data
- Input streams for AI inference
- Big data analytics such as Spark or Hadoop
- Persistent data stores for containers and cloud native applications
- Databases for metadata and unstructured data
- Rich media streaming
- Software development repositories for CI/CD
- System and event logs
- IoT data and application telemetry
- Workloads with compliance or security concerns that necessitate on-premise storage

Extreme High Performance and Scale

The Pavilion HyperParallel Data Platform delivers an unrivaled combination of extreme high performance to meet the needs of the most demanding applications and unlimited scale to support any size data set.

The Pavilion HyperParallel Data Platform consists of the Pavilion HyperParallel Flash Array and Pavilion HyperOS 3.0. **The Pavilion HyperParallel Data Platform can support up to any number of Pavilion HyperParallel Flash Arrays.**

Each Pavilion HyperParallel Flash Array enables up to 2PB of usable capacity. Each individual system provides performance of up to 80GB/s of read performance and up to 35GB/s for writes. When used in conjunction with HyperOS 3.0 an S3 bucket spans any number of Pavilion HyperParallel Flash Arrays. When used with HyperOS 3.0 to span systems, each Pavilion System delivers up to 50GB/s of read performance and 30GB/s of write performance. That performance is per system and scales linearly across systems.



Performance shown is with Pavilion HyperOS 3.0 and Global Namespace. Performance is maximum per system, individual results may vary.

Unified Data Lake Storage

The Pavilion HyperParallel Data Platform delivers industry leading performance for S3 Object storage. With a unique, switch based architecture, the Pavilion system also provides unmatched performance for block and file data as well. With up to 20 controllers per system, each controller can natively run block, file, or object workloads, delivering maximum performance for each data type simultaneously. This enables customers to achieve unprecedented AI/ML/Analytic analysis for unprecedented organizational advantage.

The Pavilion HyperParallel Data Platform

Customers use Pavilion systems to power applications using the only universally unmatched data platform with simultaneous, best-in-class performance for block, file, and object workloads, to process more data, faster than they ever thought possible. This in turn provides customers with measurable competitive advantage via speed to insights, lower operating costs, and greater flexibility to name just a few. Applications including AI/ML, analytics, and HPC are running faster, doing more, and providing significantly more material benefits to the organization, making the innovators of today the leaders of tomorrow.

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 www.pavilion.io or follow the company on [LinkedIn](#).