



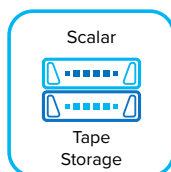
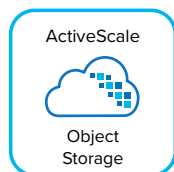
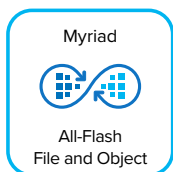
CASE STUDY

XENON Provides a New All-Flash Storage Option to Fuel AI, Power Research and Data Science Workloads with Quantum Myriad

Headquartered in Australia, XENON is a leading global high-performance computing (HPC) and complex data storage specialist, catering to organizations in life sciences, higher education, defense, government, media and entertainment, and other fields. The company recently expanded its storage portfolio with Quantum Myriad all-flash scale-out file and object storage. By offering Myriad along with additional Quantum solutions, XENON enables customers to support data-intensive workloads while gaining end-to-end data storage management capabilities.



FEATURED PRODUCTS



“For our customers, Quantum Myriad will provide a key piece of the storage puzzle. They can gain the high-performance, low-latency storage they need for AI, life sciences, and HPC workloads as part of a holistic, end-to-end Quantum storage platform.”

Jon Tinberg
Marketing Manager, XENON Systems



“Our customers really don’t have an appetite for spending more time or money on storage management. With Myriad, we can address significant customer pain points by controlling their management burdens.”

Jon Tinberg – Marketing Manager, XENON Systems



SOLUTION OVERVIEW

- Quantum Myriad® All-Flash Scale-Out File and Object Storage
- Quantum ActiveScale® Object Storage
- Quantum Scalar® Tape Libraries

KEY BENEFITS

- **Expanded storage portfolio with high-performance all-flash** storage for high-bandwidth, high-IOPS applications.
- **Enabled customers to enhance storage efficiency** with data deduplication and compression.
- **Simplified storage management with automated capabilities** that let customer teams stay focused on science and research.
- **Gained the ability to offer holistic, end-to-end storage** that spans high-performance storage through long-term archiving.

For more than two decades, XENON has built powerful solutions to solve complex parallel-compute problems and support large-scale data management workflows. Its customers have been using those solutions to discover life-saving medical therapies, fuel high-frequency trading, design innovative defense technologies, push the boundaries of AI, and more.

These customers require not only high-performance servers and networking but also high-performance, low-latency storage. They need storage that can support demanding apps and data-intensive workloads. Their storage also must scale to support enormous—and growing—collections of data.

XENON has addressed several customer requirements for storing large data volumes with Quantum

solutions, including Quantum ActiveScale object storage.

“ActiveScale has been a big winner for us—and our customers—over the last couple of years to provide low-cost, long-term archiving for inactive data,” says Jon Tinberg, marketing manager at XENON. “We’ve had a number of large ActiveScale deployments—as well as large Quantum tape deployments. The Quantum brand reputation coupled with our customers’ positive experiences with Quantum solutions make it an easy choice for storage.”

Until recently, XENON typically implemented storage platforms from other vendors to accommodate the need for high performance. Some platforms required extensive tuning, however. Other, high-priced platforms

worked fine as point solutions for IOPS workloads but couldn't provide end-to-end storage.

"People are looking for a unified data management platform with the performance profiles they need," says Tinberg. "They also want long-term preservation without having to worry about multiple vendors."

OFFERING HIGH PERFORMANCE FOR AI AND OTHER DATA-INTENSIVE WORKLOADS WITH QUANTUM MYRIAD

To provide a new high-performance storage option, the XENON team recently decided to expand its portfolio with Quantum Myriad all-flash, NVMe scale-out file and object storage. Designed for the latest NVMe flash and remote data memory access (RDMA) technologies, the Myriad software platform delivers consistent low-latency performance at any scale.

Myriad can also simplify storage administration. The platform's modern, cloud-native architecture offers cloud management simplicity while giving IT staff the flexibility to adapt to evolving storage needs. Automated networking management enables teams to handle even large clusters with no networking expertise.

"For our customers, Quantum Myriad will provide a key piece of the storage puzzle," says Tinberg. "They can gain the high-performance, low-latency storage they need for AI, life sciences, and HPC workloads as part of a holistic, end-to-end Quantum storage platform."

DELIVERING EXCEPTIONAL STORAGE PERFORMANCE

The XENON team has seen rising demand for high-performance storage that can support AI, medical research, and other use cases. "Some of our customers have apps that need to crush through a large set of image files or move data sets on and off quickly," says Tinberg. "Myriad will solve those performance challenges. With Myriad, their apps will have fast, low-latency access to essential data."

ENHANCING STORAGE EFFICIENCY

While Myriad supports large and growing data sets, it also offers enterprise capabilities that help improve storage efficiency. Organizations can minimize data center sprawl and reduce power and cooling costs.

"Inline deduplication and compression, along with snapshots and clones, will allow our customers to preserve their fast-growing data volumes while controlling the expansion of their storage footprint," says Tinberg. "That will be a key benefit for organizations with large clusters."

STREAMLINING STORAGE MANAGEMENT

While XENON has a range of managed service offerings, some customers choose to manage their own infrastructure. For those customers, the XENON team knows new storage solutions must be easy to manage. "Some of our customers have very small infrastructure teams,"

"Organizations now can manage their entire end-to-end storage environment—from hot, high-performance storage through cold, long-term archives—within a single Quantum data management sphere."

Jon Tinberg

Marketing Manager
XENON Systems

ABOUT XENON TECHNOLOGY GROUP

Since 1996, XENON has helped organizations do great new things. With more than two decades of experience designing and deploying supercomputers, servers, and HPC clusters, XENON has become a leader in HPC, unstructured data storage, and AI solutions. XENON excels in providing high-performance, scalable solutions that are easy to use and manage, allowing customers to unleash their teams to discover the unknown unknowns.



says Tinberg. “They might have one or two infrastructure people who are supporting more than 100 researchers. And the infrastructure staff is really there to help run applications and facilitate research workflows—not look after storage.”

Myriad can provide new levels of performance for researchers while simplifying administration. Automated capabilities enable organizations to scale or modify a cluster without the need for advanced technology skills. Self-balancing and self-healing capabilities help rebuild and rebalance data without intervention.

“Our customers really don’t have an appetite for spending more time or money on storage management,” says Tinberg. “With Myriad, we can address significant customer pain points by controlling their management burdens.”

UNIFYING STORAGE WITH AN END-TO-END PLATFORM

Myriad enables XENON customers to implement a holistic, end-to-end storage platform from a single vendor. “We have customers who have already deployed Quantum tape libraries and ActiveScale object storage. Myriad can provide the high-performance tier they need,” says Tinberg. “And with Quantum data management capabilities, they can move data between Quantum tiers smoothly. Organizations now can manage their entire end-to-end storage environment—from hot, high-performance storage through cold, long-term archives—within a single Quantum data management sphere.”

Quantum

Quantum delivers end-to-end data management solutions designed for the AI era. With over four decades of experience, our data platform has allowed customers to extract the maximum value from their unique, unstructured data. From high-performance ingest that powers AI applications and demanding data-intensive workloads, to massive, durable data lakes to fuel AI models, Quantum delivers the most comprehensive and cost-efficient solutions. Leading organizations in life sciences, government, media and entertainment, research, and industrial technology trust Quantum with their most valuable asset – their data. Quantum is listed on Nasdaq (QMCO). For more information visit www.quantum.com.

© Quantum Corporation. All rights reserved. Quantum, the Quantum logo, ActiveScale, Quantum Myriad, and Scalar are registered trademarks of Quantum Corporation and its affiliates in the United States and/or other countries. All other trademarks are the property of their respective owners.

www.quantum.com

CS00550A-v01