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Quantum Announces Support for NVIDIA GPUDirect Storage with Myriad All-Flash File System

Highly Parallel Direct Client Unlocks New Potential for AI/ML, HPC, and Life Sciences Customers

SAN JOSE, Calif.--(BUSINESS WIRE)-- Quantum Corporation (NASDAQ: QMCO) today announced development of a new highly parallel file system client for the [Quantum Myriad® all-flash file system](#), designed to fully enable NVIDIA GPUDirect Storage® capability while offering on-the-fly client node deployments with cross platform compatibility, including NVIDIA Grace Hopper with Grace ARM-based architectures. This new capability offers an innovative approach to building artificial intelligence (AI)/machine learning (ML) infrastructure intended to let customers add powerful new graphics processing unit (GPU) nodes to Myriad clusters as needed to respond quickly to evolving workflow and pipeline needs. Designed to maximize GPU utilization and performance, the client is optimized for GPU-intensive workloads such as AI/ML model training and inferencing, high-performance computing (HPC) visualization and modeling, and video rendering.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20241218337090/en/>

(Graphic: Business Wire)

The Myriad parallel client design takes a groundbreaking

approach to building out AI/ML infrastructure by installing directly on customer servers or workstations equipped with high-performance GPU cards, transforming their host workstation into operational Myriad GPU Nodes. By leveraging NVIDIA's Magnum I/O™ GPUDirect Storage technology, the client establishes a direct RDMA data path between storage and GPU memory, bypassing CPU bottlenecks to enable exceptional performance.

Multiple client nodes can be added to a Myriad cluster at any time, and are a powerful new connection option alongside server message block (SMB), network file system (NFS), and planned S3 access that can be added to any Myriad share point on-demand, giving customers the widest range of connection choice and flexibility available for all-flash file systems.

"Myriad's parallel client development is guided by our vision to make Myriad the most capable, most flexible and easiest to use all-flash storage solution," said Jeff Mulder, chief development officer, Quantum. "The new client brings unique capabilities by running as a fully integrated GPUDirect Node on client systems. Unlike traditional parallel file system clients, which rely on other appliances to perform these operations on their behalf, Myriad's client performs its own metadata operations, data reduction, and data protection operations. This approach minimizes common bottlenecks, lets customers maximize their GPU

investment across architectures, and allows performance to scale with the number of parallel clients accessing the Myriad system.”

The new Myriad parallel file system client will be made available for evaluation through Quantum’s Early Access Program. This program is an integral part of Quantum’s product development process, enabling influential customers to test and validate new features and provide real-world workflow feedback that will benefit all users.

“The growing demands of massive data analysis and AI/ML pipelines are driving the need for more agile, on-demand infrastructure solutions that are simple to implement and also ready for advanced technologies like NVIDIA GPUDirect Storage,” said Guy Currier, CTO, Futurum Research. “Organizations are increasingly looking for scalable, high-performance systems that can adapt to evolving workflows without requiring extensive new deployments. Simplicity, ease of use, and future-proof adaptability are critical factors in addressing these needs effectively.”

Quantum’s wide network of system integrators is ready to help integrate Myriad’s capabilities for mission critical content production needs such as animation/visual effects (VFX) rendering and AI/ML actions for rich media and video at scale.

“We are extremely impressed with the performance and capabilities of Myriad after testing it in our labs,” said Lance Hukill, chief commercial officer for CHESA, a leading integrator for media and entertainment customers. “The innovative approach to a parallel file system client will help our customers tackle the most demanding workloads that cannot be addressed with traditional legacy NAS storage systems and gives us tremendous flexibility in building customer solutions. We especially look forward to testing the new capabilities for large-scale high-resolution video rendering and development of new AI/ML tools to extract insights from large content lakes.”

Existing Myriad customers are eligible to participate in the Early Access Program for the new parallel file system client with NVIDIA GPUDirect Storage support upon its release in Q1 2025, with general availability in the second half of 2025. New prospects interested in Myriad and participating in the Early Access Program can contact Quantum at [myriad-client-
ea@quantum.com](mailto:myriad-client-
ea@quantum.com). For more information about Myriad, visit www.quantum.com/myriad.

About 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.

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Forward-Looking Information

The information provided in this press release may include forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. These forward-looking statements are largely based on our current expectations and projections about future events affecting our business. Such forward-looking statements include, in particular: Quantum Myriad and our plans, objectives and intentions that are not historical facts generally. These forward-looking statements may be identified by the use of terms and phrases such as “anticipates”, “believes”, “can”, “could”, “estimates”, “expects”, “forecasts”, “intends”, “may”, “plans”, “projects”, “targets”, “will”, and similar expressions or variations of these terms and similar phrases.

Additionally, statements concerning future matters and other statements regarding matters that are not historical are forward-looking statements. Investors are cautioned that these forward-looking statements relate to future events or our future performance and are subject to business, economic, and other risks and uncertainties, both known and unknown, that may cause actual results, levels of activity, performance or achievements to be materially different from those expressed or implied by any forward-looking statements.

These forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those projected, including without limitation, the following: Quantum Myriad and the impact of these factors on our performance and outlook. See also other risks that are described in “Risk Factors” in our filings with the Securities and Exchange Commission (the SEC), including its Annual Report on Form 10-K filed with the SEC for the fiscal year ended March 31, 2024, and any subsequent reports filed with the SEC. We do not intend to update or alter these forward-looking statements, whether as a result of new information, future events or otherwise, except as required by applicable law or regulation.

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