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Quantum ActiveScale Object Storage Introduces Industry-First Ranged Restore for Glacier-Class Archives, Delivering 5x Faster Restore Performance

With these advancements, tape-based archives can now operate as responsive, query-ready data lakes designed for AI at exabyte scale

CENTENNIAL, Colo.--(BUSINESS WIRE)--

Quantum Corporation (Nasdaq: QMCO) today announced new enhancements to the ActiveScale® object storage platform that dramatically accelerate access to cold data stored in Glacier-class archive tiers. The updates introduce industry-exclusive Ranged Restore capabilities for its cold storage tier, powered by Quantum's patented erasure-coded object-on-tape architecture. Customers can now restore only the specific byte ranges they need from large objects, rather than rehydrating entire files, significantly reducing retrieval times and improving operational efficiency. The latest platform updates also deliver substantial performance gains when reading small objects from the cold tier, enabling restores more than five times faster. With these advancements, tape-based archives can now operate as responsive, query-ready data lakes designed for AI, analytics, and high-performance computing workloads.

"AI changes the value of archive data," said Hugues Meyrath, CEO of Quantum.

"Organizations need to store large volumes of data affordably, but they can't afford to wait hours or days to retrieve the data that feeds training pipelines and analytic engines. With these new ActiveScale enhancements, we're redefining what cold storage means, making massive, long-term archives readily accessible, intelligent, and primed for AI at exabyte scale."

The new Ranged Restore feature enables customers to retrieve only the exact byte ranges needed from large objects stored in Glacier-class tape tiers. While traditional Amazon S3 Glacier* operations require full-object retrieval — often hundreds of gigabytes at a time — ActiveScale allows selective restore of just the required data segments. This capability significantly reduces wait times, compute cycles, and egress impact, making archives more usable and operationally efficient. Quantum is the only provider currently offering this custom S3 Glacier extension for tape-based cold storage.

The newest ActiveScale platform version also introduces a new restore engine design that delivers more than 5X higher throughput for small object restores compared to previous ActiveScale versions. This performance boost is enabled by intelligent batching and ordering restore requests, significantly accelerating high-volume retrieval workflows such as AI training. This enhancement is particularly impactful for AI model training, data validation jobs, compliance lookups, and automated pipeline-driven restores where responsiveness

drives productivity and time-to-insight.

“Cold data is no longer offline data,” added Geoff Barrall, chief product officer of Quantum. “By eliminating the legacy limits of Glacier-class archives, ActiveScale turns tape into an active asset — fast, API-accessible, and ready for AI and analytics at scale.”

These enhancements further strengthen ActiveScale as the industry’s most flexible and future-ready cold data platform. By transforming archive-tier storage into a performant, selectively accessible, and AI-aligned asset, ActiveScale enables enterprises to unlock the full value of their data, no matter how long it has been stored or how large the archive becomes.

These new enhancements are available immediately. For more information, visit www.quantum.com/activescale.

*[*Registered trademark of Amazon Technologies, Inc.](#)*

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.

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Forward-Looking Statements

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 ("Exchange Act"). These forward-looking statements are largely based on our current expectations and projections about future events and financial trends affecting our business. Such forward-looking statements include, in particular, statements about the anticipated benefits of Quantum ActiveScale or Quantum tape storage products, as well as our business prospects, strategies and goals, and changes and trends in our business and the markets in which we operate.

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: the competitive pressures we face; risks associated with executing our strategy; the distribution of our products and the delivery of our services effectively; the development and transition of new products and services and the enhancement of existing products and services to meet customer needs and respond to emerging technological trends; and other risks that are described herein, including but not limited to the items discussed in "Risk Factors" in our filings with the Securities and Exchange Commission, including our most recent Annual Report on Form 10-K filed with the Securities and Exchange Commission (the "SEC") and any subsequent filings with the SEC. We do not intend to update or alter our 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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