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Quantum ActiveScale Automatically Meets Strong Consistency Requirements for Amazon S3 Compatibility

SAN JOSE, Calif., Dec. 10, 2020 /PRNewswire/ -- Quantum Corp. (NASDAQ: QMCO) today announced that its ActiveScale™ object storage platform automatically complies with the new strong consistency requirements for compatibility with Amazon Simple Storage Service (S3) applications. To claim AWS S3 compliance following the recent S3 update, object storage systems must ensure strong consistency.

Strong Consistency and Why It Matters
Strong consistency refers to the availability of data objects in distributed storage systems. As many applications require that data is written and immediately read back, strong consistency ensures that the latest version of the data is immediately presented to the application with no impact on performance. All metadata instances are updated simultaneously so that the data is presented in a consistent state, no matter which node in a distributed cluster a request is sent to. Without this capability, data requests that go to a different node from where it was originally written are likely to return inaccurate data or result in the system being unable to locate the data at all.

"We made a conscious decision to design ActiveScale with data integrity and durability at its core, so strong consistency has always been one of the platform's key capabilities," said Bruno Hald, General Manager, Secondary Storage at Quantum. "Following AWS' announcement of strong consistency on its S3 service, storage systems that don't meet this standard can no longer be considered compliant. With ActiveScale, customers can be confident that strong consistency is assured, providing complete accessibility to their data at scale."

ActiveScale Delivers Unique Architecture at Highest Levels of Resiliency, Durability
The ActiveScale architecture ensures strong consistency whether in a single site, 3-geo dispersed or local ingest, scalable to petabytes and thousands of objects. It's also designed for the highest levels of data durability with ActiveScale's Dynamic Data Placement and Dynamic Data Repair, providing resiliency with protection against drive, chassis, and site failures, and security with Object Lock for immutability and ransomware protection.

The ActiveScale platform was recently expanded with a focus on data security, increased capacity, efficiency and performance, empowering customers to handle massive unstructured data growth and extract value from data in order to stay competitive. Quantum continues to innovate and deliver data and storage management solutions addressing the most pressing challenges facing unstructured data.

Additional Resources

- For more about ActiveScale object storage: https://www.quantum.com/object-storage

About Quantum
Quantum technology and services help customers capture, create and share digital content – and preserve and protect it for decades. With solutions built for every stage of the data lifecycle, Quantum's platforms provide the fastest performance for high-resolution video, images, and industrial IoT. That's why the world's leading entertainment companies, sports franchises, researchers, government agencies, enterprises, and cloud providers are making the world happier, safer, and smarter on Quantum. Quantum is listed on Nasdaq (QMCO) and was added to the Russell 2000® Index in 2020. For more information visit www.quantum.com/

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Forward-Looking Statements
This press release contains "forward-looking" statements. Quantum advises caution in reliance on forward-looking statements. If the risks or uncertainties ever materialize or the assumptions prove incorrect, the results of Quantum Corporation and its consolidated subsidiaries ("Quantum") may differ materially from those expressed or implied by such forward-looking statements and assumptions. All statements other than statements of historical fact are statements that could be deemed forward-looking statements, including but not limited to statements regarding ActiveScale enabling customers to extract data to be competitive, and with ActiveScale customers can be assured of strong consistency. Risks, uncertainties and assumptions include the risk that Quantum's latest versions of ATFS, StorNext and/or ActiveScale software are not accepted by the industry, including hybrid cloud and multi-cloud storage users, and other risks that are described herein, including but not limited to the items discussed in "Risk Factors" in Quantum's filings with the Securities and Exchange Commission, including its Form 10-K filed with the Securities and Exchange Committee on August 6, 2019. Quantum expressly disclaims any obligation to update or alter its forward-looking statements, whether as a result of new information, future events or otherwise, except as required by applicable law.

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