

Scality Ring & Quantum StorNext

Enhanced Storage tiering and Improved Application Workflows

Organizations face complexities when it comes to using and managing archived storage on tape or in the cloud. Common struggles include balancing growth, costs, capacity, and data retrieval. An effective way to address these challenges is to tier data from existing storage devices to a highly-scalable object storage solution that provides transparent access and visibility among storage tiers.

To address these concerns and simplify the adoption of object storage, Scality has leveraged StorNext 5.4 from Quantum to build a joint solution for object storage archives to be more efficient. With StorNext 5.4, customers can tier data to the Scality RING at petabyte scale across multiple physical sites. By designating the Scality RING as a target for policy-based tiering, StorNext can automatically archive and retrieve data via the industry-standard S3 object storage communication protocol.

Quantum StorNext, as the core of an Xcellis primary storage environment, delivers the optimal combination of performance, scale, and flexibility. With the addition of the Scality RING as an archive target, data storage costs are reduced without compromising data access or visibility. StorNext offers multiple on ramps to object storage including CIFS/NFS, SAN, and Distributed LAN client technology.

The combination of StorNext and Scality RING greatly improves productivity by eliminating multiple archive tasks to handle revised files. Completed archives can be accessed without performance penalties or administrative interaction using the S3 connector to the Scality RING. Finally, organizations will have a level of scale, performance and durability at a TCO that tape and external cloud storage solutions can only hope to achieve.

What's In It for You?



Faster Access to Data Organizations deserve a better workflow. This combined solution revolutionizes active archive and media workflows because tiering data to tape devices or externally to the cloud can be slow and inefficient. Scality RING leverages StorNext by offering a complete solution on-prem or across multiple datacenters that can handle archive operations smoothly and at scale.



Simplified Data Migrations Effortlessly move data between storage tiers. StorNext Storage Manager can control the archival and retrieval of content to and from the Scality RING automatically through policies based on business and compliance criteria. StorNext customers will also have the ability to communicate with the Scality RING via the S3 interface to store and access data.



Avoid Tape Incompatibilities Some tape solutions only are backwards compatible for up to two versions. To make existing tape data compatible with newer LTO implementations, large data migrations are required. By employing an industry-standard API such as the Scality S3 connector to avoid incompatibilities over time, data durability is maintained regardless of physical media.



Offsite Protection The Scality RING uses erasure coding and replication to protect data across sites and also has automatic data repair mechanisms in place to tolerate an entire physical site failure. StorNext not only archives data into the RING but also protects itself, allowing for data recovery at another site in the event of a disaster.



About Quantum

Quantum is a leading expert in scale-out storage, archive and data protection. The company's StorNext 5 platform powers modern high-performance workflows, enabling seamless, real-time collaboration and keeping content readily accessible for future use and re-monetization. More than 100,000 customers have trusted Quantum to address their most demanding content workflow needs, including top studios, major broadcasters and cutting-edge content creators. With Quantum, customers have the end-to-end storage platform they need to manage assets from ingest through finishing and into delivery and long-term preservation. See how at www.quantum.com/customerstories-mediaent.

About Scality

Scality, world leader in object and cloud storage, develops cost-effective Software Defined Storage (SDS): the *RING*, which serves over 500 million end-users worldwide with over 800 billion objects in production; and the open-source S3 Server. Scality RING software deploys on any industry-standard x86 server, uniquely delivering performance, 100% availability and data durability, while integrating easily in the datacenter thanks to its native support for directory integration, traditional file applications and over 45 certified applications. Scality's complete solutions excel at serving the specific storage needs of Global 2000 Enterprise, Media and Entertainment, Government and Cloud Provider customers while delivering up to 90% reduction in TCO versus legacy storage. A global company, Scality is headquartered in San Francisco.

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