

High-Performance Cloud Storage

Quantum Lattus with Avere FXT Edge Filers

DIGITAL DATA AND CONTENT IS GROWING FASTER THAN EVER BEFORE

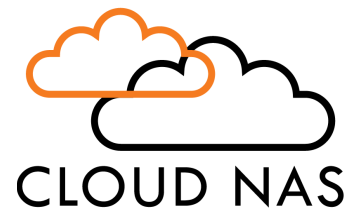
Content-oriented businesses are finding more use for digital content, and the content is getting richer and larger. More data than ever before is generated and actively leveraged in applications such as engineering design, full-motion video, life sciences, oil exploration, geospatial and satellite imagery, video surveillance, audio data, research, and other image repositories.

TRADITIONAL STORE-AND-PROTECT MODELS ARE NO LONGER EFFECTIVE

Traditional solutions rely on replication and RAID to protect content, which places a heavy burden on network infrastructure and drives storage capacity demands beyond budget. In addition, traditional solutions do not provide the level of global access to content that these new use cases demand. Content workflow environments are in need of a solution that offers cost-effective global access, data protection to withstand component failure or site disaster, and high-performance, low-latency access to content.

AVERE AND QUANTUM DELIVER THE IDEAL SOLUTION

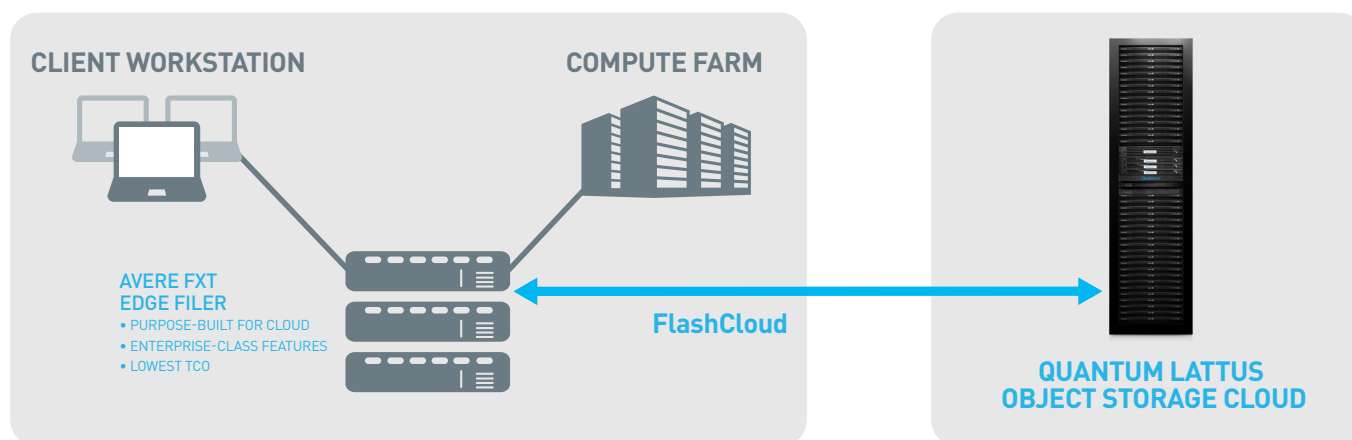
Avere Cloud NAS, powered by FlashCloud™, combined with Quantum Lattus™ online storage offers a comprehensive solution that delivers the cost effectiveness of cloud storage with the high-performance access required for active workflow environments. Quantum Lattus object storage is the best solution for cost-effective capacity scaling. Quantum Lattus is simple to manage and scale, and it has built-in data resiliency to protect content against component failure and site disaster, delivering the lowest total cost possible for systems offering these levels of performance, scale, and protection. FlashCloud eliminates the latency access to content pools that reside in Quantum's Lattus object store. FlashCloud, running on FXT Edge filers, connects to Lattus, translating standard NAS protocols and protecting your application investments. Clustering enables Cloud NAS to scale on-premise tiered storage to millions of IOPS of performance and TB of capacity while ensuring high-availability access to limitless data in the cloud. The combined solution is ideal for applications with very active content-based workflows,



AVERE CLOUD NAS SOLUTION PROFILE

- **Ultra-fast edge** – Dynamic tiering of active data to the edge helps prevent any potential latency
- **Easy to deploy** – NFS and CIFS provide familiar access protocols for users and applications
- **Highly available and scalable** in performance and capacity via clustering architecture
- **Global namespace** – Joins Lattus, public cloud, and legacy NAS into single pool of storage
- **FlashMove®** transparently moves live online data to Lattus
- **FlashMirror®** replicates data to Lattus for disaster recovery
- **Secure** – AES 256-bit encryption with optional key rotation for additional data protection

Figure 1. Avere FlashCloud integrates Lattus object storage with legacy storage into a global namespace.



as well as for applications that have unpredictable demand patterns such as web-based workflows or those that have remote locations where workers must access the storage server in another location and need to reduce access latency. With FlashCloud and Lattus, you now have unlimited capacity scaling and unlimited performance scaling at a fraction of what you'd expect it to cost.

BUSINESS BENEFITS

Increased production – High-performance global access to all content

Reduced TCO – Reduces both Opex and Capex by eliminating disruptive technology refreshes, backup and DR replication, and reactive emergency maintenance repair due to component failure

SOLUTION FEATURES

Durability – Lattus self-healing and geo-spread algorithms deliver extremely resilient data storage

Performance – Avere FlashCloud running on FXT Edge Filers provides high-performance, low-latency access to content

Scalability – Lattus data-spread and flexible durability policies enable new storage to be non-disruptively added to the global storage pool

Ease of Use – Avere front-end management layer makes managing a global namespace easy to manage and deploy

Cost Effective – Lattus self-healing and data-spread algorithms eliminate the need to replicate data to protect it, reducing demand on backup storage and software

To learn more, please visit us at www.quantum.com.

QUANTUM LATTUS OBJECT STORAGE

- **Extreme scalability. Forever storage.**
Scales to hundreds of petabytes. Data spread algorithms simplify upgrades to new storage components. Disruptive technology refresh and data migration cycles are now a thing of the past.
- **Durable, self-healing protection**
Offers extreme durability to ensure data is protected against component failure and even site disaster.
- **Lower cost of ownership**
Efficient data spread algorithms require less storage than RAID to protect data. Handle drive replacements periodically versus immediately when they fail. Lower-power drives require less power and cooling.
- **High-speed access**
Low latency of disk storage yields predictably fast retrieval times.

ABOUT QUANTUM

Quantum is a leading expert in scale-out storage, archive and data protection, providing solutions for sharing, preserving and accessing digital assets over the entire data lifecycle. From small businesses to major enterprises, more than 100,000 customers have trusted Quantum to address their most demanding data workflow challenges. With Quantum, customers can Be Certain™ they have the end-to-end storage foundation to maximize the value of their data by making it accessible whenever and wherever needed, retaining it indefinitely and reducing total cost and complexity. See how at www.quantum.com/customerstories.

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SB00103A-v01 Oct 2014