

Delivering scale-out NAS and scale-out S3 object storage, QuantaStor is ideal for a broad range of Media & Entertainment use cases including digital asset management, high-speed editing, transcoding and rendering as well as content streaming and distribution.

Storage Grid Technology

QuantaStor's storage grid management technology enables organizations to manage all their storage across sites and clusters as one unified system. Grid technology helps organizations manage and deploy storage as a private cloud offering to their organization that can start small and grow to over 100PB per grid. Within a storage grid multiple storage clusters may be deployed to meet the diverse workflow needs and multi-site nature of media and entertainment organizations.

NAS to Cloud Storage Tiering

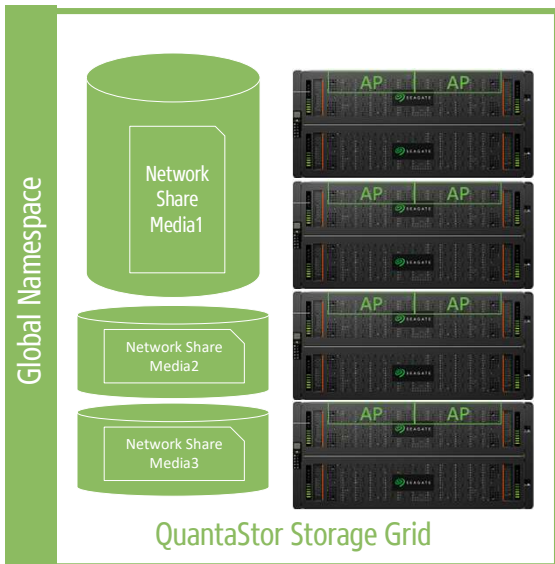
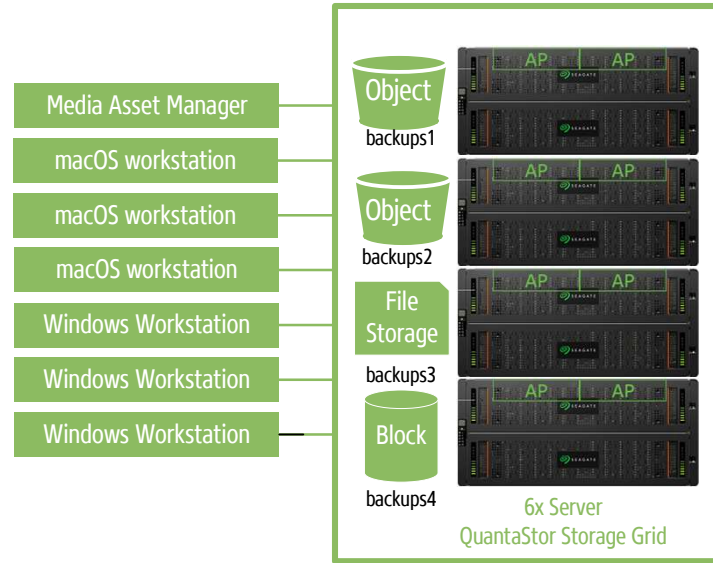
QuantaStor supports NAS to cloud storage tiering to most major cloud service providers including Seagate Lyve Cloud, IBM COS, Azure Blob, AWS S3, and others. Additionally QuantaStor's S3 Compatible object storage clusters may be used. Auto-tiering enables one to automatically move older files to the object storage tier while making it appear that the file is still local even after migration.

Media Editing, Media Playback & Media Asset Management

For Media Editing use cases we recommend hybrid scale-up configurations that deliver a cost effective mix of capacity and performance. For Media Playback we recommend all-flash configurations that can keep up with modern 4K & 8K media formats. For media asset management (MAM) we also recommend hybrid (HDD+SSD) configurations that are either NAS or object storage.

Ransomware Protection & Immutability

QuantaStor helps organizations protect against ransomware through the use of read-only snapshots with long term retention rules. This enables organizations to recover quickly using snapshots from snapshots with daily, weekly, monthly, or quarterly retention terms. Additionally QuantaStor supports WORM (write-once-read-many) mode so that archives and media backups cannot be modified.



Global Namespaces

As storage systems grow and span multiple sites and storage pools it can become increasingly difficult for users to keep track of where all the NAS folders are located.

QuantaStor solves this problem with its global namespaces feature (aka Network Share Namespaces) which presents Network Shares so that users see them as accessible from all appliances in a given storage grid or a subset of the grid. QuantaStor's global namespace presents storage over SMB using the Microsoft DFS protocol and via NFS using NFSv4 referral technology.

Erasare Coding

Scale-out storage clusters within a QuantaStor grid use erasure-coding technology to provide high-availability and fault-tolerance across QuantaStor servers. Scale-out storage clusters provide true single-namespaces NAS so that capacity and performance can be scaled by adding more systems and/or storage devices to the cluster.

Summary

Media & Entertainment companies require high-performing systems that enable fast access to data, low-cost archive of content, and storage capabilities that streamline management across systems. QuantaStor provides M&E with Storage Grid technology for combining storage appliances across sites for easy management, NAS to cloud storage tiering for automatic data migration and low-cost archive, and Global Namespaces for managing groups of data across teams. For more information, contact sales@osnexus.com.

About OSNexus

OSNexus is a leading manufacturer of hyper-scale SDS solutions with the QuantaStor™ Software Defined Storage (SDS) platform. QuantaStor provides NAS, SAN, and Object storage in a single platform with unique storage grid technology. QuantaStor's grid technology simplifies the process of managing multisite and multi-PB storage environments. QuantaStor is sold worldwide through, OEMs, VARs, MSPs, and System Integrators to provide customers with packaged turn-key solutions.