V. 2.0

QStar and Hammerspace

Creating an Enterprise Archive Across a Global Namespace

QSTAR® TECHNOLOGIES

SOLUTIONS BRIEF

Solution Overview

Organizations are managing more data than ever, and the ability to discover your information's real value and intelligently migrate that data to the appropriate storage tier is the modern way to archive. But with the global nature of data and the distributed workforces and applications that are accessing that data, organizations need to have a global view - regardless of storage type, location, or on-prem or in the cloud. The integration of QStar and the Hammerspace Data Platform brings together the economic benefits of an S3 tape storage solution for long-term data retention into a unified, global data environment.

Solution Benefits

Availability across all locations

Distributed data in multiple locations and different storage types can be managed in a single, globally-available file system with the QStar and Hammerspace solution.

Automated data orchestration

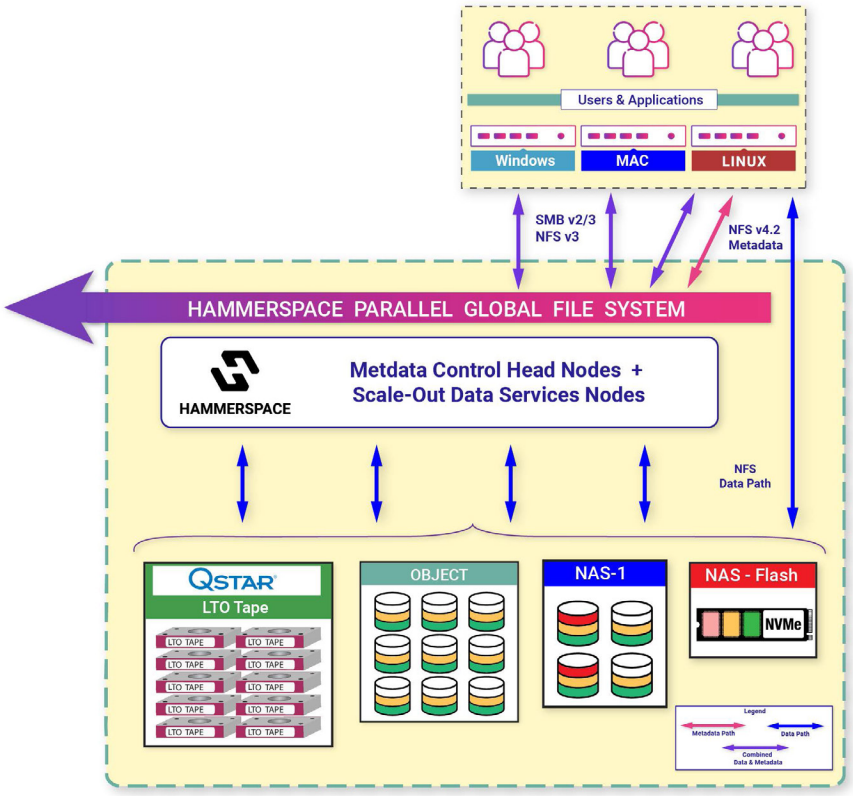
Overcome data gravity with automated, non-disruptive data orchestration globally for data at the edge, in your datacenters, and in the cloud.

High Capacity

Much of today's enterprise digital assets comprise large, unstructured data. Tape storage gives you access to higher-capacity storage. Tape storage scales easily into multiple petabyte and exabyte levels.

Compelling low cost

Storing large amounts of inactive data on expensive primary, secondary or Cloud-based storage disks contributes to higher storage costs in the long run. Tape storage costs are significantly less per terabyte and incurs less support and maintenance costs.



© 2026 - Hammerspace

QStar Archive Manager Summary

Archive Manager has been a leading software product in the tape archive market for multiple decades. Running on physical Windows or Linux servers, and using NVMe cache drive(s), which are fast but relatively small, data is written to tape using SMB, NFS or S3. One or multiple file systems / buckets can be created, each with its own set of ever-growing tape media, for capacities reaching tens or hundreds of PB. Multiple tape drives can be grouped together, using the multi-drive feature, to allow very high write performances (over 1GB per sec). Disaster recovery options include media copy, mirrored writes within one library or replication to a second tape library, object storage or cloud. All tape library vendors are supported using any tape drive model (LTO or IBM proprietary).

For largest capacity users, QStar Global ArchiveSpace - which is based on Archive Manager - creates a node-based architecture for higher performance, higher capacity and higher redundancy, as any node can perform any task (read, write, copy), to any tape drive in the library. This can be done without tape library partitioning, allowing a much simpler method of interaction and load balancing.

Use Cases

- Media & Entertainment
- Video Surveillance
- HPC
- AI/ML
- Finance
- Higher Education

About QStar

For over 35 years, QStar Technologies has been a leading provider of enterprise-class archive and data management software solutions. Our software solutions are applications that run on Windows or Linux servers, making integration into existing network environments exceedingly simple and future-proof using SMB, NFS or S3 interfaces. In today's archive market, flexibility is key. QStar offers that flexibility today and in the future by supporting the widest range of archive technologies in the market. Archives can be created using single technologies (such as a single tape library) or replicated to the same (tape and tape) or other technologies (tape and Cloud), onsite or remotely.

About Hammerspace

Hammerspace is a powerful scale-out software solution designed to automate unstructured data orchestration and global file access across storage from any vendor at the edge, in data centers, and the cloud. Hammerspace makes data a global resource, so IT staff can automate data orchestration by policy, but without interrupting user access. It enables organizations to extend the life of existing storage resources to reduce costs, while also enabling the flexibility of hybrid-cloud and multi-site use cases seamlessly.

HAMMERSPACE DATA IN MOTION | QSTAR® TECHNOLOGIES

© 2026 - Hammerspace