QSTAR® TECHNOLOGIES
SECURING THE FUTURE OF YOUR DATA®

Archive Replicator

Create a 3-2-1 Hybrid Archive for Performance, Security and Archive Disaster Prevention

The archiving experts at QStar understand that all archives are different. They need to fit into specific business environments and each has their own measurements for success. One organization's archive may need fast restore, another may require offsite storage, and a third is looking for data immutability. Trying to find a single solution that fits all these and many more requirements has, in the past, been challenging.

QStar has created an archive platform that allows organizations to employ blends of storage technologies to fit their individual archive requirements and create a resilient, obsolescence free hybrid archive.

HIGHLIGHTS

- Software manages archive and data replication, synchronously writing to up to four replicas on different technologies

- Multiple archive technology support creates a:
  » 3-2-1 Archive and Data Protection Best Practice strategy
  » Obsolescence free vendor neutral archive

- User access to archive via CIFS/NFS file shares

- Supports blends of industry standard and proprietary file systems

- Seamless migration from legacy archive storage and easy replication of existing NAS disk archives to a second archive store

- Highly scalable to multiple petabytes

- Retention management to meet internal governance and compliance

- Install on your choice of server using Windows or Linux

OPTIONAL

- Encryption & digital signature
- Policy-based tiered storage and data management with QStar Network Migrator

QStar Archive Replicator software can synchronously write replicas of data to up to four technologies using a mix of industry standard or proprietary file systems.

This technology can be used to design archives that are both fast and secure, that create both a local and remote store, and deliver optimum flexibility to easily employ new technology as it becomes available.

Using low-cost RAID paired with a tape or optical library creates a very flexible yet resilient archive. RAID provides fast retrieval of data for e-discovery purposes. Tape or optical provide the secure copy, using rewritable or for evidentiary purposes, WORM (write once read many) media. Optionally a third, disaster recovery copy can be created at a secondary site or to cloud storage.

QStar calls this the "3-2-1 Archive and Data Protection Best Practice"*. Three copies of all archived data are retained on two different archive technologies, one copy is for disaster recovery and should be stored at a secondary remote site. Endorsed by leading storage industry analysts, 3-2-1 provides a very a simple, yet reliable approach to securing data for the long term through the efficient optimization of IT resources.

VENDOR NEUTRAL OBSOLESCENCE FREE ARCHIVE

QStar Archive Replicator supports the idea that data often outlives the storage technology it is placed on. The ability to add new storage technologies and phase out older, uneconomical storage is built into the software. Synchronization tools are available that re-create the archive on new storage by replicating it from other technologies.
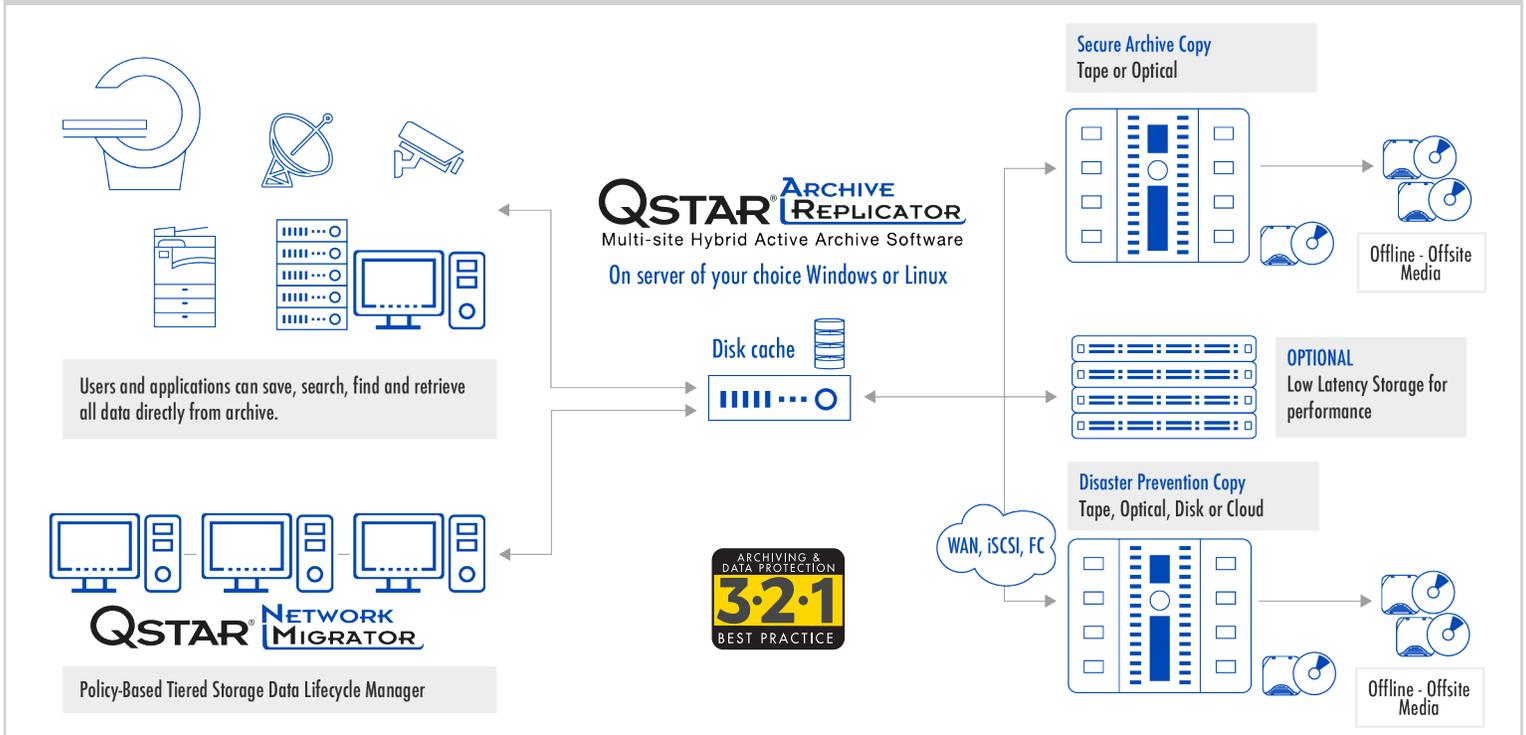
Existing users of QStar Archive Manager can easily upgrade their systems, adding a performance copy or offsite store to an existing QStar managed archive. Under certain circumstances, QStar Archive Replicator can also be added to an existing non-QStar archive, providing synchronous replication to a second store.

Flexibility is the key to creating archives that suit all environments, grow and change with the requirements of the organization and stand the test of time, to provide significant return on investment now and in the future.

*To learn more about QStar 3-2-1 Best Practice at
www.qstar.com/company/3-2-1-best-practice/

QStar 3-2-1 Archive and Data Protection Best Practice / Replication to three types of archive storage

Secure Archive Copy
Tape or Optical

Offline - Offsite Media

QSTAR® ARCHIVE REPLICATOR
Multi-site Hybrid Active Archive Software
On server of your choice Windows or Linux

Disk cache

OPTIONAL
Low Latency Storage for performance

Disaster Prevention Copy
Tape, Optical, Disk or Cloud

WAN, iSCSI, FC

ARCHIVING & DATA PROTECTION
3·2·1
BEST PRACTICE

Offline - Offsite Media

Users and applications can save, search, find and retrieve all data directly from archive.

QSTAR® NETWORK MIGRATOR
Policy-Based Tiered Storage Data Lifecycle Manager

CREATING A 3-2-1 ARCHIVE USING QSTAR ARCHIVE REPLICATOR AND OBJECT-BASED STORAGE

For those organizations that have chosen to use Object-based Storage solutions to address their archiving needs, these solutions perform two roles, creating both the "performance" and the "secure" copy. None offer a low-cost disaster recovery copy. The primary method to create a DR copy is to buy a second Object Store and replicate them. Using QStar Archive Replicator, the primary store can be Object Storage with a secondary store to any lower-cost archive storage, such as a Tape or optical library.

QStar Archive Replicator software can be installed on your choice of server supporting Windows or Linux environments. It is easily scalable from 1 terabyte to multiple petabytes.

PLATFORM COMPATIBILITY	Windows or Linux – plus optional Clustered server configuration
NETWORK PROTOCOLS	NFS, CIFS, HTTP, FTP
SERVER PLATFORM	64 bit server platforms
HARDWARE SUPPORT	All archival storage providers of Tape, Optical, Disk, Object Storage and Cloud Storage
SOFTWARE SUPPORT	QStar software integrates transparently with email, SharePoint, DICOM, document, audio, video and database archiving applications
CUSTOMER SUPPORT SERVICES	Full range of maintenance programs, customer support services and training available worldwide

More detailed information about system requirements, supported hardware and technology partners is available on www.qstar.com

Since 1987, QStar Technologies, Inc. has been a trusted global provider of enterprise-class data management, archiving and cloud solutions. Delivering reliable, highly scalable and secure solutions for long-term access and preservation of valuable digital assets. Visit www.qstar.com for more information.

For more information, please contact the archiving experts at QStar:

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