QSTAR
TECHNOLOGIES
SECURING THE FUTURE OF YOUR DATA®

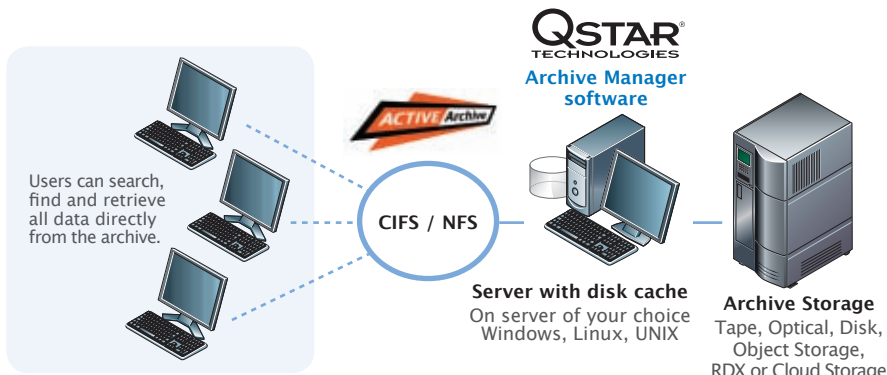# Archive Manager

Optional LTFS Volume Spanning

Virtualize any Archive Technology - Create an Active Archive

QSTAR ARCHIVE MANAGER SOFTWARE – CREATE A VENDOR NEUTRAL ACTIVE ARCHIVE

Easily scalable to multiple petabytes, QStar Archive Manager software can manage and archive a massive amount of data on ANY archive storage technology including tape, optical, RDX, disk, object storage or cloud storage. The flexible software can be installed on servers using a range of operating systems including Windows, UNIX or Linux.

QStar Archive Manager creates an 'Active Archive' by virtualizing one or more archive technologies, presenting the archive as a network share or mount point, by using CIFS or NFS standard network protocols. As the archive is presented as a file system, users and applications can easily search, find, and retrieve data directly from the archive, without the need for administrator intervention or an API.

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

CIFS / NFS

QSTAR TECHNOLOGIES
Archive Manager software

ACTIVE Archive

Server with disk cache
On server of your choice
Windows, Linux, UNIX

Archive Storage
Tape, Optical, Disk,
Object Storage,
RDX or Cloud Storage

HIGHLIGHTS

- Access to ALL Data from archive via CIFS/NFS file share(s)
- Supports choice of optimized proprietary or industry standard file systems such as LTFS (for tape) or UDF (for optical)
- Vendor and technology neutral software – Create an active archive using tape, blu-ray, RDX, RAID, object storage or cloud
- Secure long–term data security and management – online and offline
- Install software on server using Windows, Linux, and UNIX
- Scalable to multiple petabytes
- Robust retention management

OPTIONAL

- Encryption & digital signature
- Mirroring & data replication
- Policy–based tiered storage and data migration

ADVANCED FEATURES

Advanced features such as replication, real–time mirroring, file encryption, and digital signatures can be easily added. This unique approach gives QStar customers a long term data archive strategy with the agility they need to evolve in changing market and financial conditions.

SIMPLE INTEGRATION / EFFICIENT ARCHIVE MANAGEMENT AND PROTECTION

QStar Archive Manager software is managed through an easy–to–use interface, allowing administrators to control the archive from anywhere, at any time. The archive is presented as a network mountable file system for transparent integration with host applications. Data written to the archive file system is automatically migrated between a high speed integrated or shared disk or RAID cache and secure archive storage. This architecture provides quick retrieval for more recently accessed data while ensuring the long term preservation of the archive.

The QStar archive can be divided into multiple volumes represented by the directory structure of the archive file system. This allows data to be easily categorized by different departments, users, projects or time frames.

QStar's mediacopy feature automatically creates a duplicate copy of selected archive volumes for offline and offsite archive disaster recovery. In addition, older data sets that are infrequently accessed can also be taken offline to a deep archive. QStar Archive Manager provides complete offline media management by tracking all offline data and prompting an operator to import the appropriate media when a request is received. Offline media enables very cost effective archive expansion and disaster recovery strategies.

ARCHIVE DATA AUTHENTICITY AND PROTECTION

QStar Archive Manager provides a range of security features. To meet regulatory or legal obligations, companies must be able to demonstrate that their archive records have not been altered. Archive Manager supports all leading manufacturers of WORM (Write Once Read Many) technology. The use of WORM technology prevents the deliberate or accidental modification of data and QStar provides an audit trail infrastructure for reporting purposes.

In order to meet internal governance or compliance regulations optional retention periods and security policies can be set for each volume, and archive capacity can be restricted by volume or can be set to expand dynamically. This prevents files from being altered or deleted until the set retention time expires. In addition, a 'Legal Hold' feature can be set, which prevents files from being deleted after a discovery or court order has been issued.

Archive Manager

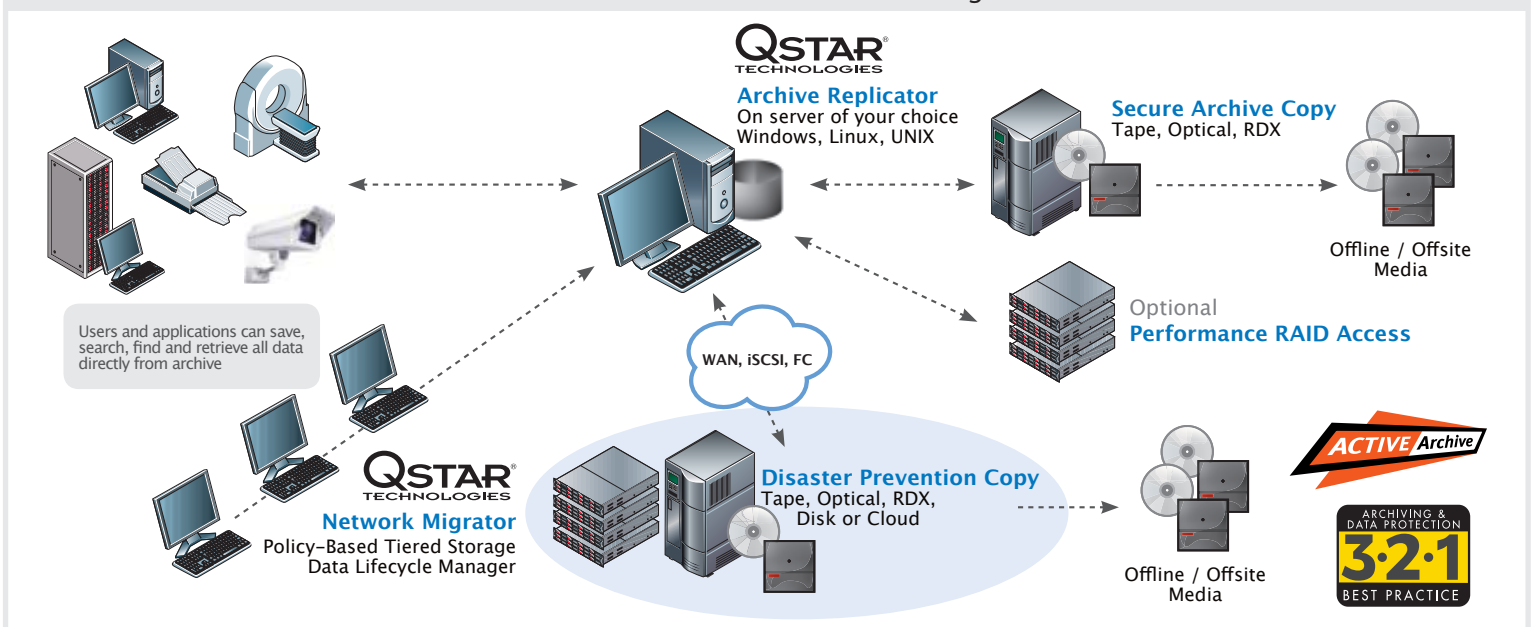## SUPERIOR SCALABILITY AND ARCHIVE DISASTER PREVENTION

QStar Archive Replicator or **QStar Data Director** software can be installed to extend the archive disaster prevention capabilities of Archive Manager by creating greater system resilience and higher data availability as part of a 3–2–1 archive strategy. Learn more about 3–2–1 Best Practice at www.qstar.com/company/3-2-1-best-practice/

Using QStar Archive Replicator, data can be replicated to up to four archive storage technologies, using either proprietary or industry standard file systems. These archives can be located within a single site or across multiple geographic locations. Using block–based synchronous mirroring technology, Data Director software ensures that data is continuously written on two storage systems within a site or across the globe.

OPTIMIZE STORAGE AND DRASTICALLY REDUCE BACKUP

QStar Network Migrator, a policy–based tiered storage migration and management software, can be installed with QStar Archive Manager to automatically migrate static data from primary storage on to lower–cost archive storage, which optimizes storage and drastically reduces backup.

QStar Vendor Neutral Active Archive & Data Management Solutions

Since 1987, QStar Technologies, Inc. has been a leading global provider of enterprise–class archive and data management software solutions. QStar archive software is certified for a wide range of applications and is deployed across many industries including: healthcare, broadcast, life sciences, government, education, manufacturing, and finance.

What our customers say:
"QStar's standard file system interface makes application integration simple, saving us time and effort while providing the flexibility to make changes as the archive evolves. It's also critical that the archive be reliable since we have strict deadlines for our translated content. Our experience with the QStar Archive Manager software has been positive."
Discovery Communications

PLATFORM COMPATIBILITY	Windows, UNIX, Linux
NETWORK PROTOCOLS	NFS, CIFS, HTTP, FTP
SERVER PLATFORM	32 or 64 bit server platforms
HARDWARE SUPPORT	All archival storage providers of Tape, Optical, RDX, 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