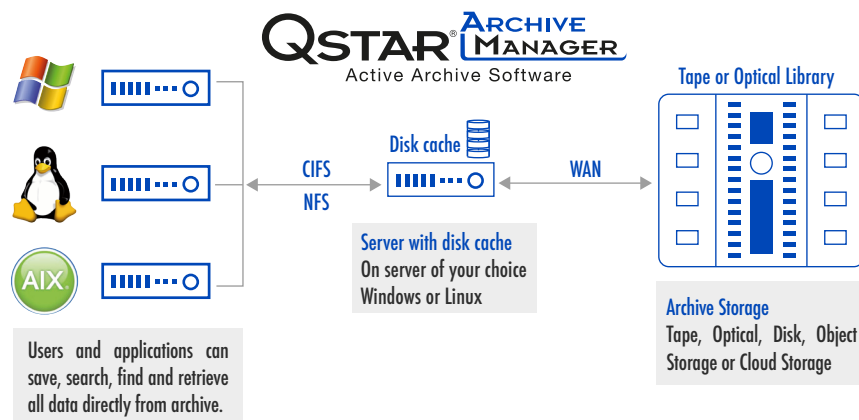


Virtualize any Archive Technology - Create an Active Archive

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, disk, object storage or cloud storage. The flexible software can be installed on servers using a range of operating systems including Windows or Linux.

QStar Archive Manager creates an 'Active Archive' by virtualizing one or more archive technologies, presenting the archive as a network share, mount point or cloud bucket, by using SMB, NFS or S3 protocols. As the archive is presented as a file system or cloud bucket, users and applications can easily search, find, and retrieve data directly from the archive, without the need for administrator intervention or an API.



HIGHLIGHTS

- Access to ALL Data from archive via SMB/NFS file share(s) or S3 Cloud protocols
- 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, ODA, RAID, object storage or cloud
- Secure long-term data security and management - online and offline
- Install software on server using Windows and Linux
- Scalable to hundreds of petabytes
- Robust retention management
- Java GUI Management and Web Services

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 JAVA 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 Flash or Disk 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 and incremental mediacopy features automatically create duplicate copies of selected archive volumes at scheduled times 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/

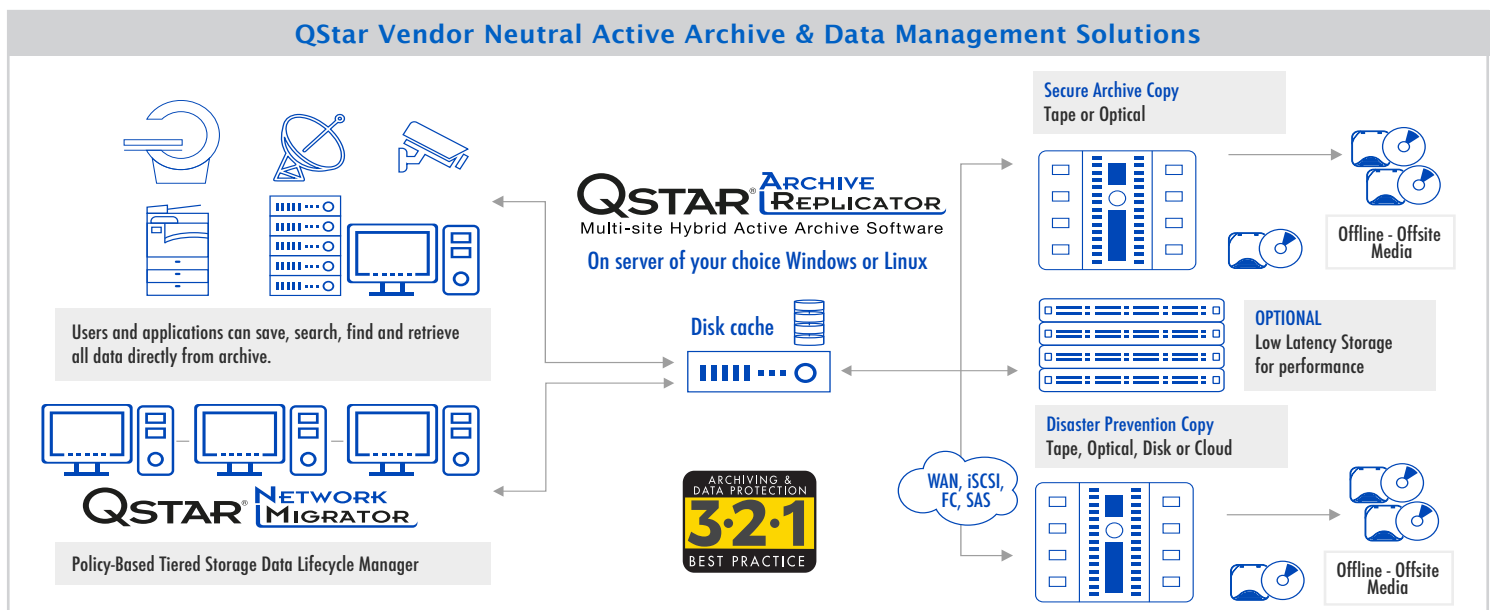
Using QStar Archive Replicator, data can be replicated to up to four archive storage technologies, using either proprietary or industry standard file systems. These archives can be located within a single site or across multiple geographic locations. Using block-based synchronous mirroring technology,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

QStar Archive Manager with Multi-drive software significantly improves the maximum write performance of tape libraries. Archived data is written, using pre-defined policies, to tape media in multiple tape drives. Two or more drives (the maximum is equal to the saturation point of the server, network and disk cache) are used to write data in parallel.

QStar Global ArchiveSpace software uses node-based technology to share very large archive libraries without partitioning, presenting the entire file system as one. It also allows for multi-site access to archived content through local servers, accessing data in the Cloud or from local replica copies.

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.



- PLATFORM COMPATIBILITY** Windows or Linux – plus optional Clustered server configuration
 - PROTOCOLS SUPPORTED** SMB, NFS, S3, 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.

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