HSM

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Hierarchical
Storage Management

QStar HSM continues to set the standard for storage management by providing even greater performance and data security for the lifeblood of your business. With thousands of Installations around the world and supporting a wide range of archival media and platforms, the choice of a hierarchical storage management solution is clear. QStar's HSM provides the security and accessibility you need for your data on your platform of choice.

SINGLE VOLUME VIEW
Multiple pieces of archival media may be combined to create single or multiple logical volumes that can span both the media and library or jukebox boundaries. With the appearance of a standard magnetic disk, access to the data stored in the volume is entirely transparent to users and their applications.

OFFLINE VOLUME TRACKING
By providing a mechanism to track media outside of the library or jukebox, logical volumes are able to grow beyond the available online capacity. With the entire file system directory structure cached for easy data selection, prompts are made and email notification can be sent for the retrieval of offline media.

AUTOMATED DATA MIGRATION
With automatic data migration users can be sure the data is being stored securely at all times and is available when it is needed. QStar's HSM utilizes both high speed magnetic disk and secure archival media to provide the optimal combination of performance and security in an enterprise solution that works.

TRANSACTION LOGGING CACHE
The cache implements full "transaction logging technology" for improved reliability and speedy recovery in the event of a system failure. Combined with QStar's improved directory archive management, data access downtime is significantly reduced.

SCHEDULED ARCHIVING
Archiving may be scheduled to take place hourly, daily, weekly or monthly and at any particular point in time to suit the business operations, thus providing the ability to tune the system to achieve maximum productivity. A high water mark overrides the schedule to ensure the cache never becomes too full with un-archived data.
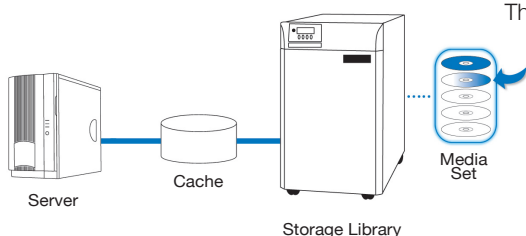
ONLINE BACKUP AND RESTORE
With a complete self-describing file system written to the secure archival media and data migrated continuously and incrementally, the risk of data loss and the need for daily backups are removed. With QStar's online restore, previous versions of archived data may also be recovered.

MEDIA TRANSPORTABILITY
With either QStar's Standard Data Format (SDF) or Universal Disk Format (UDF), the logical volumes created may be physically transported between different UNIX platforms and even across to Windows platforms.

ADVANCED FEATURES
QStar's Copy Disk utility makes an exact duplicate of media in a set allowing for safe storage of data at an offsite location. This utility can be set to run automatically on a per set basis or manually per disk. The Data Compaction utility reclaims space on the archival media after the modification or deletion of files, making full use of the available storage media. Furthermore, with the built-in intelligent Scheduler users can automatically schedule features such as Copy Disk, Data Compaction, as well as Archiving and Media Erasing.

Server   Cache   Storage Library   Media Set

HSM

Specifications

Platforms

- NT/2000/XP/2003
- IBM AIX
- Hewlett Packard HP-UX
- Sun Solaris
- SGI IRIX
- HP/Compaq Tru64
- Linux

Network Protocols

- SMB/CIFS
- TCP/IP
- NFS
- Netware
- LAN Manager
- AppleTalk

Hardware Requirements

- **Minimum Requirements for UNIX/Linux**

Memory
256 MB of RAM

Disk Space
70 MB of free disk space for software installation.

- **Minimum Requirements for Windows**

Memory
256 MB of RAM

Disk Space
100 MB of free disk space for software installation.

- **Processor**

Pentium 3 or equivalent.

Supported Manufactures*

- ADIC
- Asaca
- ASM
- ATL/Quantum
- BDT
- Breece Hill
- DISC
- DSM
- EMC Centera
- Hewlett Packard
- Hitachi
- IBM
- JVC
- Kubota
- Maxoptix
- New ATG
- NSM
- Overland Data
- Plasmon
- Qualstar
- SONY
- Spectra Logic
- Storagetek
- xStore

QStar Services

- Standard 90 day Warranty
- Hot Line Support
- Remote Diagnostics
- Onsite Support
- Installation
- Training
- Software Upgrades
- Disaster Recovery

* New devices are constantly being added to the support list. Please call for an updated list.

QStar Technologies, Inc.
Marsh Harbor Executive Park
2175 West Hwy 98
Mary Esther, FL 32569
Phone: 850-243-0900
Fax: 850-243-4234
Info@qstar.com

QStar Technologies Europe
Viale Italia, 12 - 20094
Corsico (Milano) Italy
Phone: +39 0245171.1
Fax: +39 0245101745
Info@qstar.it

QStar Technologies UK
Clare House
High street
Frimley, CAMBERLEY
Surrey GU16 7HJ - UK
Phone: +44 01276.418.237
Fax: +44 01276.691.090

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