

POLICY BASED TIERED STORAGE AND DATA LIFECYCLE MANAGER

MAXIMIZE RETURN ON INVESTMENT WITH QSTAR NETWORK MIGRATOR

Over the last 5 years, data center storage has drastically increased annually and will continue to rapidly expand. This is due to growing rich file content, video and AI/ML production, electronic transactions, data retention legislation and a “save everything” mentality.

Four important aspects for data storage are adding capacity, data backup, disaster recovery and data security. QStar Network Migrator assists with all four; allowing the use of lower cost storage when adding more capacity, reducing backup by removing static data from the backup window, automatically creating disaster recovery copies of all data or subsets of information and protecting data from ransomware or virus attacks through retention schemes that can store data in a read-only format.

In addition, Network Migrator facilitates the movement of less frequently accessed information to lower powered storage, which aids the space and power consumption battle. When it comes to maximizing storage Return on Investment, QStar Network Migrator is a smart choice.

AUTOMATED DATA MANAGEMENT

Network Migrator uses advanced policy management to monitor and automatically migrate less frequently used files from distributed servers and NAS Appliances to a central archive. Regardless of the physical location of the files, they remain fully accessible across the network from their original local file systems. Retrieving the file is as simple as it was before migration.

Learn more about 3-2-1 Best Practice at
www.qstar.com/company/3-2-1-best-practice/

A combination of file attributes can be used to control which information is selected; file creation, modification and last accessed date, file size and file extensions. The use of high and low water marks trigger the beginning and end of migration, alternatively migration can be started at preset intervals. Once initiated, data is migrated to the designated secondary storage device. A separate policy can be created to manage file archive retention dates; files can then be released for managed or automatic deletion at the end of their lifecycle.

Network Migrator allows a specified number of versions of a file to be retained, so that new versions do not automatically overwrite existing versions. This can be very useful in “ransomware” attacks. Files are also automatically archived along with a hash / digest of the file. A read after write operation ensures data is written correctly. During a read operation the hash is compared to ensure data has not degraded over time. If it has other copies or versions of the file, they could be retrieved instead.

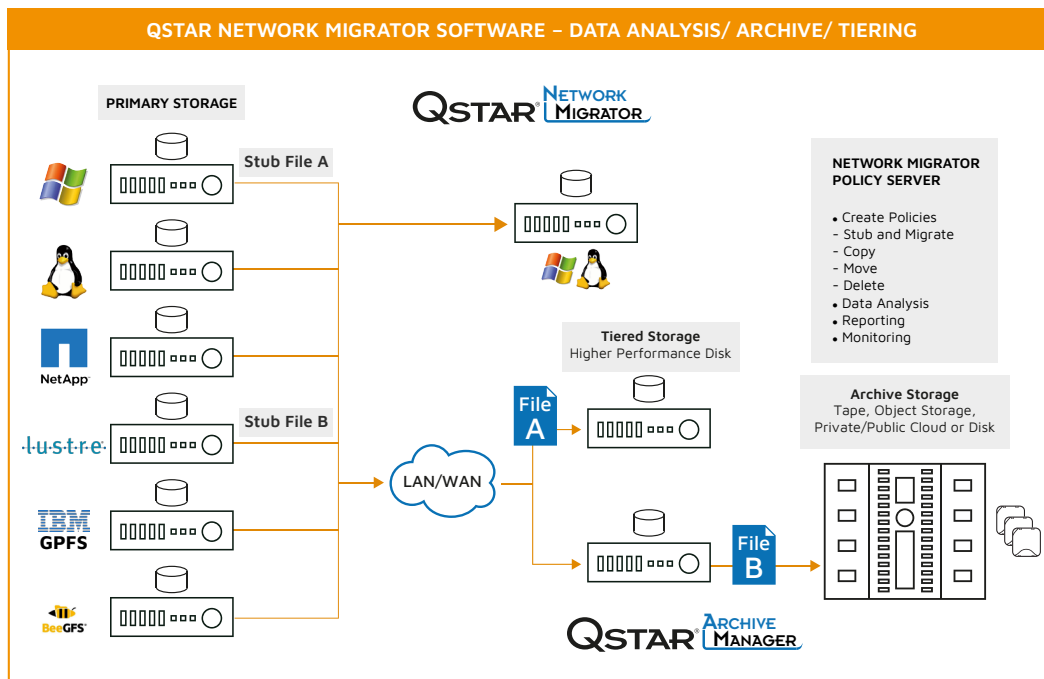
A 3-2-1 ARCHIVING AND DATA PROTECTION BEST PRACTICE

Network Migrator plays a strategic role within a 3-2-1 Best Practice archive by applying management policies to data stored on servers and filers.

Controlling the number of data copies, their physical locations and retention periods enables organizations to create system resilience, eliminate out of space conditions, reduce over provisioning, and maximize limited IT resources.

HIGHLIGHTS

- Optimizes use of primary storage
- Simplifies tiered storage management
- Eliminates the need for archive backup
- Reduces administrative costs
- Lowers cost of power through greener storage solutions
- Protects against “ransomware” attacks
- Provides secure data preservation
- Creates a foundation for compliance
- Assures transparent access to users



FLEXIBLE

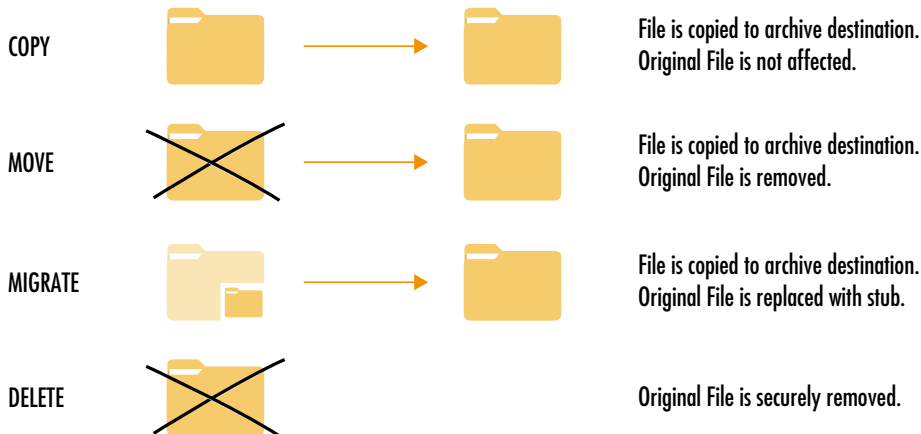
- » Optimize resources across a heterogeneous storage environment
- » Migrates and Archives Files from any supported platform: Windows, Linux, UNIX, Mac, NetApp, IBM Spectrum Scale (GPFS), Lustre and HyperFS
- » Exceedingly scalable to multiple Petabytes
- » Multi-tiered environments can be created

ADVANCED POLICY MANAGEMENT

- » Easy to use Java GUI
- » Simulation – for illustration of policy actions
- » Automated data life cycle management
- » File migration is transparent to user
- » Provides a foundation for compliance

MONITORING AND REPORTING

- » Storage Utilization
- » Quotas
- » Distribution patterns
- » Creation date, Last Accessed date, Modified date, File Size, File Extension
- » Data verification using selectable hashing options



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:



QStar Technologies, Inc.
600 17th Street, Denver, CO 80202
Phone: +1 850 243 0900
info@qstar.com www.qstar.com

QStar Technologies Europe
Viale Italia, 12 - 20094 Corsico Milano (Italy)
Phone: +39 02 451 711
info@qstar.it www.qstar.com

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