

Save on Expensive Primary Storage with LTFS Archiving

Petabytes of Data
Are Now Just a Click Away With the

NEO Agility Archive Appliance



Introducing: NEO Agility Archive Appliance



Library-based LTFS Solution Targeted at 720TB+ Applications

- Solution includes 1U server with 6 – 8TB of cache, RAID, SAS/SATA drives, Windows OS, support for tape libraries
- Optimized for NEOs T48, NEOx180, and NEO 8000e tape libraries
- Compatible with other tape libraries.

The NEO Agility LTFS Appliance lowers cost of storage and increases efficiency by freeing up primary storage space.

FEATURES

- Delivers up to 15PB of near-line capacity & unlimited offline capacity
- Writes to LTO cartridges in LTFS or TAR formats
- Compatible with LTO WORM cartridges required for regulatory compliance
- Enables easy sharing of data with other users on the network
- Utilizes CIFS/SMB and FTP file transfer network protocols
- Provides interoperability in Windows, Linux and MAC environments

USER APPLICATIONS

- Big Data Applications
 - ✓ Lots of data
 - ✓ Long block files
 - ✓ Files that benefit from a consistent rate of streaming
 - Healthcare/Medical Imaging/Medical Research
 - Media & Entertainment/Post Production
 - Video Surveillance
 - Scientific/Telemetry/Space Exploration
 - Oil & Gas

NEO AGILITY

Feature	Benefit
Standard Windows File/Folder Interface allows files to be written & retrieved as though from a standard disk-based volume or network share.	Works with the majority of applications natively.
Object Storage Interface/XML Interface pulls assets from and pushes assets to a specified location, as well as provide the option to batch and prioritize jobs and obtain status.	Easily allows 3 rd party applications to control and monitor the archive process.
Windows and MAC clients are natively supported.	No need to load software on client computers.
Standard Network Protocols ensure that NEO Agility is optimized for CIF/SMB and FTP file transfers. SAN connectivity is also supported.	Works with the most common network protocols.
Manages near-line disk & near-line/offline tape , allowing the administrator to define policies for disk caching that can be tailored for different file types and folders.	Frequently accessed files may be retained on disk.
Supports LTFS and TAR.	Avoids proprietary formats and vendor lock-in. Also supports WORM cartridge implementations.
Self-Describing Cartridges allow LTO cartridges to contain all the file system metadata necessary to recover all the files stored on the cartridge.	LTO cartridges can easily be transferred between archive systems.
LTO cartridge Replication can be configured to automatically generate replica LTO cartridges that may be exported from the library for offsite retention.	Provides effortless disaster recovery protection.
LTO Cartridge Spanning allows administrator to define policies that can be set to allow or prevent files from being spanned across multiple LTO cartridges.	Archive operations are not limited by the capacity of individual LTO cartridges, unlike most basic LTFS systems.
Dynamic Expansion of LTO Cartridge Groups meets capacity demands.	NEO Agility runs automatically without need for administrator intervention.
Optimized Restores allows the system to restore a series of files in the shortest possible time. Restore requests are processed in an order that minimizes unnecessary tape movement.	Decreases the total restore time when restoring multiple small files.
File Version Control	Allows restoration of deleted or old files.
Partial File Restore allows access to only portion of a very large file. Partial file restores are based on time codes.	Reduces time needed to restore short files, such as video clips.
LTO Cartridge Repack copies only current files, excluding deleted files and old versions of files, to new LTO cartridges.	Permits recovery of capacity from rewriteable LTO cartridges.
Metadata Backup and Restore utility	Provides rapid system restore in case of rebuild after a disk failure.

Alert Module provides email and onscreen alerts which are tailored to the needs of archive system operators, system administrators and IT support personnel.	Ideal for cartridge management and instant notification of any problems.
Cartridge Contents and Search Reports provide information on files contained on any cartridge, including offline cartridges. Search reports list all the files and their LTO cartridge bar code locations that match a user-defined search term.	Provides effortless archive management.
Industry Standard File Security is provided with Windows Server 2012 R2 Essential edition and integration with the Microsoft Windows security model based on Active Directory.	Provides easy integration into an existing Windows environment.

SUMMARY



NEO Agility isn't just LTFS... it is an archive solution that allows an entire NEO tape library to look like disk on a user's desk-top. Users benefit from improved workflow, portability of data, effortless archive operations, superior reliability and the lowest possible cost for long-term data storage.

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