



Complete turnkey archive systems that scale from terabytes to multi-petabytes



Available as either a Polar-Arc System or a Polar-Arc Appliance. Both feature servers powered by XenData with fast SSD Cache that connect to LTO drives and libraries via SAS or Fibre Channel cables and connects to the local network via 10 GbE ports.

The **Polar-Arc Systems** are available with 8/24/40/80/120 slot LTO libraries with up to 6 LTO tape drives as a fully configured and tested system. Just plug it in, connect to your network and you are ready to go. The industry-standard tape libraries use superior LTO tape drives that are TAA compliant for use in any installation with any data type.

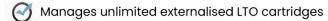
The Polar-Arc Appliance supports LTO libraries from a wide range of manufacturers including Dell, HPE, IBM, MagStor, Overland Storage, Qualstar, Quantum and Spectra Logic.

Archive servers powered by XenData to meet every workflow and budget need

> LTO archive storage ranging from desktop and rackmount tape drives to multipetabyte tape **libraries**



Functionality & Advantages



Redundant power supplies and disk volumes

LTFS or TAR Formats

Easy migration to later LTO generations

Automatically replicates LTO Cartridges

Requires minimal operator intervention

Mounts LTO archive as SMB or NFS share or via FTP 🕢

Superb technical support from the UK - no need to wait for support from international countries

Standard File System Interface

Polar-Arc accepts all file types and presents them in a single Windows file/folder structure. Files are written to and retrieved as though from a standard disk drive.

SSD RAID Cache Enhances Performance

of cartridges taken offline.

Nearline and Offline LTO

Manages LTO cartridges in a

library and an unlimited number

The user defines policies for disk caching that can be tailored for

Standard Network Protocols

The solution is optimized for SMB, NFS and FTP, as well as local file transfers. different file types and folders.

LTFS and TAR

May be configured with tape pools using the LTFS or TAR format.

LTO Cartridge Replication

Automatically generates replica LTO cartridges that may be exported from the library for off-site retention. For libraries with one LTO drive, replication may be scheduled to occur overnight.

Easy LTO Migration

The Polar-Arc archive makes for easy system upgrades, going from an older to a later generation of LTO.

End-to-End Verification

Provides an automated checksum operation for all data written to LTO.

LTO Cartridge Spanning

Policies can be set to allow or prevent files being spanned across multiple LTO cartridges.

Multiple Tape Pool Support

The software allows groups of files to be allocated to specified groups of LTO cartridges.

Auto-Expansion of LTO Pools

The system will dynamically expand LTO cartridge pools to meet capacity demands, minimising system administration.

Optimised Restores

The system restores a queue of files in the shortest possible time. The restore requests are processed in an order that minimises unnecessary tape movement.

File Version Control

The software provides comprehensive file version control. Deleted files and old file versions may be restored from LTO.





Partial File Restore

The Polar-Arc XML interface is available with partial file restore (PFR) based on timecodes. In addition, the file system interface supports PFR based on byte offset.

Supports WORM Tape

Polar-Arc systems support both standard rewritable cartridges and unalterable WORM cartridges.

Metadata Backup and Restore

Provides rapid system restore in case of rebuild after RAID failure.

Alert Module

A software module is included which provides e-mail and on-screen alerts. These are tailored to the needs of archive system operators, system administrators and IT support personnel.

Cartridge Contents and Search Reports

The files contained on any cartridge, including offline cartridges, can be listed in a report. Additionally, search reports list all the files and their LTO cartridge barcode locations that match a search term.

Industry Standard File Security

The appliance runs on a Windows Server 2022 operating system and integrates fully with the Microsoft Windows security model based on Active Directory.

Cloud File Gateway Option

Allows files to be stored on cloud object storage in addition to LTO.

XML Interface Option

The workflow API is used by many complementary applications to move files to and from the archive.

Object Storage Option

This allows secure access to the archive from anywhere.

Multi-Site Sync Option

When you have LTO archives at different facilities, you can use the Multi-Site Sync to integrate them in a single global file system accessible from any location.

Sync Option

FS Mirror utility provides file synchronisation across your local network.

