Product Brief
XenData6 Workstation Software

Overview

XenData6 Workstation software runs on a Windows computer and manages one or more LTO tape drives, creating an affordable digital archive that is easy to use. The system delivers cost effective archiving of files to LTO cartridges. It provides almost infinite storage, saving files to LTO using the industry standard LTFS or TAR formats.
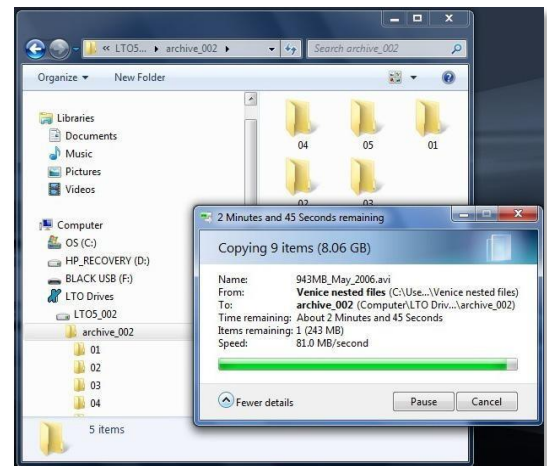
This product brief describes XenData6 Workstation version 6.22.

System Functionality

Archive and Restore via Drag and Drop or Copy and Paste

Archive and restore operations are always performed using Windows Explorer. XenData6 extends Windows Explorer's capabilities to transfer files to and from LTO using drag and drop or copy and paste. Files may be archived to LTO from any accessible logical drive letter or network share. Similarly, files may be restored to an available drive letter or share. The system maintains file and folder structures, allowing the transfer of nested folders to and from LTO tape.

The software gives an option to copy to LTO only files that have changed or are new. This is an easy way to create an updated copy of project folders on LTO.

Supports All File Types

All file types are supported including non-video files.

Supports an Unlimited Number of Offline Tapes

XenData6 Workstation software can manage a large offline LTO tape archive as the files and folder structure stored on all tapes that have ever been inserted into the LTO tape drive may be retained. You can browse the contents of offline tapes using Windows Explorer and should you need to restore one or more files or folders, the system will prompt with the name of the offline tape.

Writes in Industry Standard TAR or LTFS Format

XenData6 Workstation from version 6.10 supports both LTFS (Linear Tape File System) and TAR (Tape ARchive) cartridge formats. These formats define how data is written to the tape media: LTFS and TAR use different data structures for the file data and file system metadata that is written to tape. When formatting an individual LTO cartridge, the administrator selects either TAR or LTFS.

LTO Cartridges may Transfer between Systems

As files are saved to LTO tape, the system keeps track of the contents by updating a XenData tape contents catalog that is stored on the hard disk of the Windows computer.

When the TAR formatted cartridge becomes full, the system automatically writes a copy of the tape contents catalog to the end of the tape. The catalog may be written to the tape at any time by using a finalize operation; this will write the catalog to the end of the tape and then end of tape marks are written which prevent more files being written to that tape. When a finalized cartridge is moved to another XenData system, the contents will be quickly updated on this other system.

With LTFS formatted cartridges, the contents of the tape are maintained on both the XenData tape contents catalog stored on the hard disk of the system and on an index partition on the tape. Consequently, there is no finalize operation for an LTFS formatted cartridge. When an LTFS formatted cartridge is moved to another XenData or third-party system that supports LTFS, the contents will be updated on this other system.

Reporting on the Entire Archive

XenData6 Workstation includes a report generator that may be used to create three types of report:

- Archive Status
- File Search
- Tape Cartridge Contents

These reports are useful for managing the contents of the complete archive.

The Archive Status report provides summary information about all the tape cartridges that the system knows about. The File Search report produces a list of files that meet user defined file search criteria and identifies the tapes that contain each match. The Tape Cartridge Contents report produces a list of the contents of a selected tape cartridge, including any offline cartridge. The reports may be saved in a delimited text format suitable for import into Excel.

Report Type: File Search
Volume Set: All Volume Sets
Search Type: File Name Text
Search: \Venice2*avi

No	File Name	Generation	Version	File Size (bytes)	Volume Label
1	/X0004A/Venice2/1_3_8GB-May_2006.avi	0	1	1,487,700,480	Barcode:X0004AL4
2	/X0004A/Venice2/392MB_May_2006.avi	0	1	411,132,928	Barcode:X0004AL4
3	/X0004A/Venice2/943MB_May_2006.avi	0	1	989,532,160	Barcode:X0004AL4
4	/Venice2/1_3_8GB-May_2006.avi	0	1	1,487,700,480	Barcode:X0003AL4
5	/Venice2/392MB_May_2006.avi	0	1	411,132,928	Barcode:X0003AL4
6	/Venice2/943MB_May_2006.avi	0	1	989,532,160	Barcode:X0003AL4

System Requirements

Item	Requirement
Operating System	Windows 11, 10, 8.1 and 7. All 64 bit Editions are supported.
Minimum CPU	AMD or Intel 2 GHz processor
Minimum RAM	4 GB
For SAS LTO drive	Available PCIe slot and a certified PCIe SAS card
For USB LTO drive	Available USB 3.0 port
For Thunderbolt LTO drive	Available Thunderbolt 2 port

Please refer to the XenData website for a list of supported devices.

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