

# XenData Archive Series Software

## Advanced Edition



## Software for Managing Digital Assets on Tape and RAID

Optimized for archiving and retrieving high volumes of files

..... from terabytes to petabytes.

### Microsoft Windows Server Solution

XenData's Advanced Edition manages RAID and an attached tape library on a Windows file server to create a highly scalable digital archive. RAID and the managed tapes appear as a standard Windows logical drive. This means that the archive works with multiple standard applications without modification.

### Standard Windows File System Interface

Files are always initially written to RAID. Immediately after the file is written to disk, it goes into a queue to be written to the primary tape cartridge. This provides Continuous Data Protection without any backup window! It overcomes the scalability limits of conventional backup.

### Continuous Data Protection without Backup Window

Replication of tape cartridges for disaster recovery purposes is automatic and follows the policies defined by the Administrator. It is easy to export tape cartridges for off-site retention.

### Automatic Tape Replication for Off-Site Retention

The software supports an unlimited RAID capacity and a broad range of tape libraries with capacities to multiple petabytes.

### Hierarchical Storage Management

**Online Archives** Configuring a system without file flushing will keep all current files on disk. When implemented with a high capacity RAID and small tape library, this creates a very cost effective online archive with strong continuous data protection.

### Supports Online, Nearline and Offline Files

**HSM - Nearline** After flushing from RAID, the offline attribute bit is set and files are still available from tapes within the library. On reading, the file is automatically restored to RAID.

### Supports WORM and Rewritable Tape Formats

**HSM - Offline** After a file has been flushed from RAID and all tapes containing that file have been exported, it becomes offline. The file still appears within the file system. By using the XenData Alert Module, an on-screen and/or e-mail notification will be sent whenever an offline file is accessed. This identifies which file was requested and its tape barcode.

### Scalable to Multiple Petabytes

For more information, :

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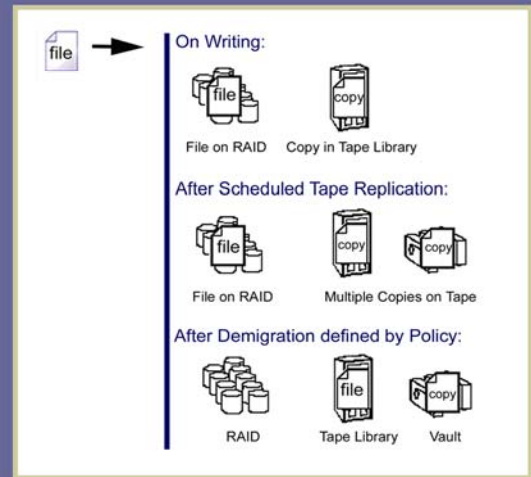
## Administrator Policies

The physical storage location of files is driven by policies set by the administrator.

On archiving, files will normally be written to both disk and tape, creating two physical instances of the data. Policies allocate files to specific groups of tapes.

The system automatically updates tape cartridge replicas, making it easy to manage off-site copies for disaster recovery purposes.

Policies determine how long files are retained on RAID. They might be permanently held on disk for fast access or alternatively files can be deleted from disk according to administrator defined rules. After deletion from disk, files are still available from tape.



## Supported Server Operating Systems

Microsoft Windows 2000 Server, Server 2003  
Microsoft Windows Powered NAS  
Microsoft Windows Storage Server 2003

## Supported Network Client Types

Microsoft Windows 95/98/2000/NT/XP Professional  
NFS clients via Microsoft Services for UNIX  
For other client types, please contact XenData

## Tape File Format

Open standard POSIX tar

## Supported Tape Libraries and Drives

The software supports a wide range of tape drive and library types. Please visit [www.xendata.com](http://www.xendata.com) for the latest support list. Supported data tape formats include AIT, LTO, SAIT and SDLT.

## Offline Tape Cartridge Support

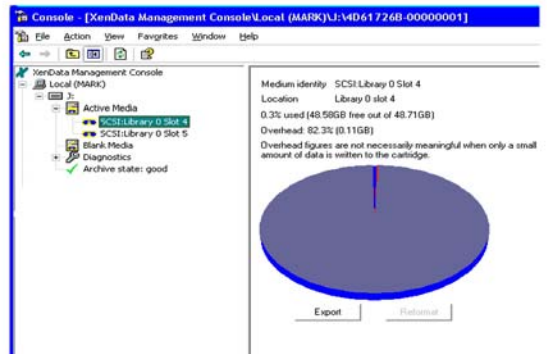
The software maintains metadata for off-line tape cartridges. Three-tier HSM is supported.

## Security

Fully integrated with Microsoft Windows security model, based on Active Directory.

Filename	Size	Date	Status
Human_infected.gif	25430	Mon Aug 4 2003 4:29:29 PM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>
Human1.gif	37857	Wed Oct 15 2003 1:55:33 AM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>
HumanA.gif	11273	Mon Aug 4 2003 4:48:18 PM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>
HumanB.gif	17877	Mon Aug 4 2003 4:48:19 PM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>
HumanC.gif	13422	Mon Aug 4 2003 4:48:19 PM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>
HumanD.gif	48933	Mon Aug 4 2003 4:48:19 PM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>
HumanE.gif	48562	Tue Oct 28 2003 12:00:53 PM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>
HumanF2.gif	49182	Mon Aug 4 2003 4:37:19 PM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>
HumanG2.gif	14223	Mon Aug 4 2003 4:35:34 PM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>
HumanH2.gif	49237	Mon Aug 4 2003 4:36:52 PM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>
HumanI9.gif	5555	Mon Aug 4 2003 4:33:35 PM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>
to.jpg	8080	Fri Oct 31 2003 12:00:53 PM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>
to_infected.jpg	3331	Mon Aug 4 2003 4:32:05 PM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>
zipper01.jpg	24255	Mon Aug 4 2003 4:25:58 PM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>
zipper_3_color1.gif	4994	Mon Aug 4 2003 4:53:34 PM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>
zipper_3_color2.gif	4483	Mon Aug 4 2003 4:53:34 PM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>
zipper_3_color3.gif	5844	Mon Aug 4 2003 4:53:34 PM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>
zipper_magpie01.jpg	13883	Mon Aug 4 2003 4:27:55 PM	Archived   Barcode:000003   <a href="#">Fetch from tape</a>

XenData History Explorer, a browser based utility, allows authorized users to access all versions of a file and all deleted files. This provides a file audit trail from unalterable and non-erasable WORM tape ensuring file authentication and legal compliance.



**Administration** File policy and tape cartridge management are performed using XenData Management Console (an MMC snap-in).

This data sheet describes Advanced Edition, version 3.4x.