

Release Note: XenData6 Server Software

Version 6.22p2 (Build 2616)

Updated 21st July 2017

Version 6.22p2 is released for ODA use on the following operating systems: Windows Server 2012 R2, Windows Server 2008 R2 and Windows 7 on the XenData SX-10.

Bug Fixes – General

Specific bug fixes included in version 6.22p2 relative to 6.22p1 are:

- ❖ Fixed a bug which would cause ODA cartridges to be left in drives.

Version 6.22p1 (Build 2596)

Updated 5th July 2017

Version 6.22p1 is released for use on the following operating systems: Windows Server 2012 R2, Windows Server 2008 R2 and Windows 7 on the XenData SX-10.

Bug Fixes – General

Specific bug fixes included in version 6.22p1 relative to 6.22 are:

- ❖ Fixed a bug which caused unload failures in HP LTO6 drives when the media was full.
- ❖ Fixed a bug where a prefetched file was accessible before the prefetch was complete.

Version 6.22 (Build 2559)

Updated 10th March 2017

Version 6.22 is released for use on the following operating systems: Windows Server 2012 R2, Windows Server 2008 R2 and Windows 7 on the XenData SX-10.

Enhancements

Version 6.22 includes the following enhancements relative to version 6.21p1:

- ❖ Added ODA GEN2 drive support
- ❖ New installer which also installs the XenData Alert Module
- ❖ Improved support for the BDT MULTISTAK LTO library
- ❖ Cosmetic improvement to XenData application icons

Bug Fixes – General

Specific bug fixes included in version 6.22 relative to 6.21p1 are:

- ❖ Fixed several bugs which could cause LTFS alert volumes
- ❖ Improved reliability of ODA GEN 1 drive support
- ❖ Improved read performance of ODA GEN1 drives
- ❖ Improved reliability of file rename functionality
- ❖ Fixed a bug which could cause the service to crash if two tapes are 'Marked as Blank' at the same time.
- ❖ Fixed a bug which could cause the service to crash when retrying a write of an LTFS index
- ❖ Improvement in reading IBM written LTFS tapes that are highly fragmented due to writing two or more streams
- ❖ Fixed support for Tandberg LTO5 drive
- ❖ Report Generator now able to 'Save as'
- ❖ Fixed incompatibility with Beyond Compare and TeraCopy file management utilities
- ❖ Fixed a bug where a full cartridge in an HP drive failed to unload

Note: To install on an SX-10 system running Windows 7, or a server running Windows 2008R2 you must apply KB article patch <https://technet.microsoft.com/en-us/library/security/3033929> to allow support for SHA2 Code signing.

Version 6.21p1 (Build 2412)

Updated 26 July 2016

Version 6.21p1 is released for use on the following operating systems: Windows Server 2012 R2, Windows Server 2008 R2 and Windows 7 on the XenData SX-10.

Bug Fix – Critical

Specific bug fix included in version 6.21p1 relative to 6.21 is:

- ❖ Fixed a bug which could cause serious issues if fragmented files that were written with a version prior to 6.20 are repacked.

Version 6.21 (Build 2395)

Updated 27 May 2016

Version 6.21 is released for use on the following operating systems: Windows Server 2012 R2, Windows Server 2008 R2 and Windows 7 on the XenData SX-10.

Enhancements

Version 6.21 includes the following enhancements relative to version 6.20:

- ❖ Zero byte file support is enhanced. In prior versions, zero byte files could be written to the XenData server and would be written to the disk cache but not to data tape or optical cartridges. This behaviour is changed in this version and zero byte files can now be written to data tape and optical cartridges.
- ❖ Added support for LTO-7 on all supported operating systems
- ❖ Improved compatibility with LTFS implementations from SGL

Bug Fixes – General

Specific bug fixes included in version 6.21 relative to 6.20 are:

- ❖ Bug fixes to Metadata backup and restore
- ❖ Bug fixes to import folder structure
- ❖ Several LTFS bug fixes, which could cause volumes into an alert state
- ❖ Fixed support for Tandberg LTO6 and HP LTO4 drives
- ❖ Fixed bug stopping 2 standalone drives from both mounting cartridges
- ❖ Fixed a bug that could cause very rare unexpected server restarts, along with the event 'Duplicate found while adding to set of waiting operations'

Version 6.20 (Build 2356)

Updated 3rd December 2015

Version 6.20 is released for use on the following operating systems: Windows Server 2012 R2, Windows Server 2008 R2 and Windows 7 on the XenData SX-10.

Enhancements

Version 6.20 includes the following enhancements relative to version 6.11p5:

- ❖ Added support for LTO 7 on Windows Server 2012R2
- ❖ Implemented end-to-end logical block protection
- ❖ Implemented COM/SQL interface
- ❖ Added support for Sony Optical Disk Archive (ODA GEN1) drives and ODS-L30M libraries
- ❖ Added support for Amazon Virtual Tape Libraries
- ❖ Added support for Oracle/StorageTek T10000D tape drives
- ❖ Added support for USB attached LTO drives
- ❖ Added support for the IBM TS2900 library (3572-TL)
- ❖ Extended support for Alternate Data Streams, providing selective stripping of streams before writing to archive cartridges
- ❖ Improved handling of library move failures caused by cartridges stuck in drives
- ❖ Implemented 'append only' mode on IBM LTO drives providing improved data security

Bug Fixes – General

Specific bug fixes included in version 6.20 relative to 6.11p5 are:

- ❖ Fixed a bug when writing replica cartridges with LTFS that would prevent flushing from the disk cache
- ❖ Fixed a bug that caused the cache drive to be unresponsive due to thread starvation
- ❖ Fixed a bug that made recall/prefetch unreliable in certain circumstances

- ❖ Fixed a bug that meant Windows Explorer would not copy more than the cache disk space - even if you have sufficient space available on the archival cartridges
- ❖ Fixed a bug that meant restore errors were not reported in the event log
- ❖ Improved cleaning cartridge management
- ❖ Fixed a bug in Report Generator which caused it to crash when attempting to run a 'Recoverable Space' report with no Volumes in the system
- ❖ Fragments spanned across tapes are now reported correctly in the Report Generator
- ❖ Fixed a bug allowing automatically refresh of Volume View as new archival cartridges are added
- ❖ Improved Management Console performance when opening Volume Sets for systems with large numbers of files

Version 6.20 also includes a number of additional bug fixes that improve general reliability relative to version 6.11.

Bug Fixes - ODA Specific

Specific bug fixes included in version 6.20 relative to build 2115 are:

- ❖ Fixed erroneous reports of failure to update ODA metadata on ODS-D55U drives
- ❖ Updated to version 3.2.1 of Sony driver code
- ❖ Fixed a bug that was causing cartridge mount failures
- ❖ Fixes bugs that prevented catalog rebuild

API Integration

Version 6.20 C++ API is not compatible with third party applications that were compiled with a previous version. For compatibility, the third party application must be re-compiled using the XenData 6.20 C++ SDK.

Upgrading from a prior version of XenData6 Server

New versions of XenData software can be used by any customer who had a valid maintenance agreement in place with XenData on the effective release date.

To upgrade from a previous version of XenData6 Server, please follow these steps:

- ❖ Ensure that the system is NOT in Pending Write Mode.
- ❖ Set the XenData Archive Series service to manual and reboot.
- ❖ Un-install the current XenData Server and Alert Module software using Add/Remove Programs in the Windows Control Panel.
- ❖ Reboot the server. Double click the XenData setup application file (XDServerx64-6.22.2559.0.exe) and follow the instructions provided by the setup wizard, accepting defaults. Select 'Typical' for the type of installation, unless a custom setup is required. During this process a window may be displayed asking which drive XenData should control. Select the drive to be controlled and select 'Next'.
- ❖ When the installation is complete, reboot the server.

System configuration and license information will be maintained from the previous version.