Release Note: XenData6 Server Software

Version 6.11P5, build 2335

Updated November 4, 2015

Bug Fixes

Version 6.11P5 relative to version 6.11P4 fixes two bugs.

The first corrected issue is that file system metadata can sometimes be written in an incorrect case. The symptom is that an attempt to restore a file will result in the error message 'Could not find this item, this is no longer located in X:\……., verify the item's location and try again'. Files may be restored using Volume View and XenData support can restore the metadata to the required state.

The second corrected issue is specific to the deletion of many hundreds/thousands of files from a full LTFS non replicated volume, using an IBM drive. The symptom is that the non-deleted files become inaccessible and the tape cartridge goes into an Alert state.

Version 6.11P4, build 2251

Updated March May 29, 2015

Critical Bug Fixes

Version 6.11P4 relative to version 6.11P1 fixes two bugs which can if you are not using replication in specific circumstances cause data loss.

The first can occur if you delete files from a full LTFS non replicated volume, if that volume has been read from since the XenData service has been restarted. The problem could occur only under the following circumstances:

- Non-replicated LTFS volume.
- The volume is 'Full' and the XenData service has been restarted.
- A file is restored from the volume.
- Multiple file deletes are requested for files written to that volume.

If the problem were to occur, the Volume would go into an alert state, clearly identifying that there had been a problem.

With a replicated LTFS volume set the volume would go into alert state, but no data would be lost.

The second can occur only under the following circumstances:

- While repacking a non-replicated Volume
- When simultaneously writing to that Volume Set,
- When that Volume Set is under heavy load, and
- When using an LTO library with more than one LTO drive

If the problem were to occur, the repack would complete and the target Volume would go into an alert state, clearly identifying that there had been a problem.

Version 6.11P1, build 2024

Updated: June 11, 2014

Enhancements

Version 6.11P1 includes the following enhancements relative to version 6.10P2:

❖ Added support for Windows Server 2012 R2, including support for failover cluster.

❖ Empty folders are written to LTO. In version 6.10 and prior versions, empty folders are written to disk cache but not to LTO.

❖ File rename and delete operations are always recorded on the LTO Volume that contains the original file to make LTO cartridges fully self-contained. Note that if that Volume is not available, the rename and delete operations will not be allowed.

❖ Implemented file fragmentation for LTFS Volumes that is compatible with other third party LTFS implementations. Enabling fragmentation supports partial restores from LTO.

❖ Support for cleaning cartridge properties is added for IBM LTO drives.

❖ An option is added to support the writing of alternate data streams of unlimited size to TAR formatted LTO cartridges. The default value is 64KB.
❖ Removed ability for Windows to create a recycle folder for the logical drive letter under XenData control.

Bug Fixes
Specific bug fixes included in version 6.11P1 relative to version 6.10P2 are:
❖ It fixes a problem with the Scheduler when used to defer writing with externalized volumes present within the Volume Set.
❖ Improved reliability of the repack operation on LTFS Volumes.
❖ Improved reliability of replication of LTFS Volumes.
❖ Improved reliability of pre-fetch operation for LTFS Volumes.
❖ Improved reliability of 'Import Folder Structure' operation.
❖ Fixed a bug where the total size of files on an LTFS tape could be over-reported in replicated Volumes.
❖ Fixed Report Generator bug which showed a file with the replica flag equal to zero as archived.
❖ Fixed a Report Generator bug which showed a file being reported as both archived and unarchived.
❖ Fixed a bug in the 'Unarchived Files' report which did not display unarchived files for replicated Volume Sets with Pending Write Mode enabled.
❖ Fixed a bug when using the API function 'CXDFile::Purge' which caused a blue screen.

Version 6.11P1 also includes a number of bug fixes that improve general reliability relative to version 6.10, especially when using LTFS Volumes.

API Description
A minor change has been made to the API to support empty directories on media.
❖ Added "DirectoryRecords" and "DirectoryRecordBytesOnMedia" fields to the XD_VOLUME_STATISTICS data structure.

Upgrading from Version 6.01/6.10/6.11Px

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:
➢ Set the XenData Archive Series service to manual and reboot.
➢ Un-install the current software using Add/Remove Programs in the Windows Control Panel.
➢ Reboot the server
➢ Double click the XenData setup application file (XDServerx64-6.11.2251.400-setup.exe) and follow the instructions provided by the setup wizard accepting defaults. During this process a window will be displayed that defines the drive letter to be controlled by the XenData6 Server software. Select the drive to be controlled, click '*Activate*' and then close the Drives window. ➢ Reboot the server.

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

Note that this version of XenData6 Server is compatible with all earlier 6.x versions of the XenData Alert Module. Consequently, there is no need to upgrade the Alert Module when upgrading to this version of XenData6 Server.