Release Notes

Product	Linear Tape File System (LTFS) for Windows V2.1.1 to V2.2.1
Date	October 2014

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Introduction

These release notes apply to the Quantum Linear Tape File System (LTFS) for Windows software version 2.2.1.

Terms

Types of changes:

- **Enhancements -** A given feature or algorithm of the product has been enhanced, to allow wider usability and/or to provide greater robustness.

- **New Functionality** - A new piece of functionality is added. As this is a new release, this is the only type of change described in this document.

- **Bug Fix** - Fixes a bug in the software.

Compatibility

LTFS for Windows compatibility requirements:

- Unrecognized tags shall be ignored

- Older major versions of LTFS are not allowed to update volumes written by later major versions of LTFS. The new XML tags could not be properly handled by older versions impacting compatibility.

- As per traditional LTO philosophy, use of the CM to enhance performance is optional and not required. This refers to the Volume Coherency Information (VCI) attribute, which is used to determine where the latest index was written on the volume - whether any data was written after the latest index was written. It's implied, but not required, that the LTFS application should handle a *broken* CM.

- Quantum has determined that LTFS for Windows is not compatible with systems that have Apple iTunes installed. This is due to a filter driver installed as part of iTunes, which prevents correct control of the tape device. At this time the only workaround is to uninstall iTunes.

Description of Changes

New Features

This release contains the following enhancements:

- Update to LTFS specification version 2.2.0, http://snia.org/sites/default/files/LTFS_Format_2.2.0_Technical_Position.pdf . Overview of changes:
    - Changed "extentinfo" definition in Section 8.2 Index.
    - Changed "symlink" definition in Section 8.2 Index.
    - Added additional paragraph to "symlink" definition in Section 8.2 Index.
    - Added general comments at start of Section 9 Medium Auxiliary Memory.
    - Added Section 9.4 Use of Host-type Attributes for LTFS.
    - Removed Section 9 Certification from document.
    - Added "ltfs.mamBarcode" extended attribute in Annex C.4 Volume Metadata.
    - Added "ltfs.mamApplicationVendor" extended attribute in Annex C.4 Volume Metadata.
    - Added "ltfs.mamApplicationVersion" extended attribute in Annex C.4 Volume Metadata.
    - Added "ltfs.mamApplicationFormatVersion" extended attribute in Annex C.4 Volume Metadata.
    - Added new Annex F Interoperability Recommendation and added File
    - Spanning and File Permissions subsections

- Added support for MAM Barcode attribute
- Added support for Windows 2012 R2 and Windows 8.1

Other Changes

Type:	Bug Fix
Description:	Fixed defects in Windows GUI and Windows Installer

Contacting Quantum

More information about this product is available on the Service and Support website at www.quantum.com/support. The Service and Support Website contains a collection of information, including answers to frequently asked questions (FAQs). You can also access software, firmware, and drivers through this site.

For further assistance, or if training is desired, contact Quantum:

Quantum Technical Assistance Center in the USA:	+1 800-284-5101
For additional contact information:	www.quantum.com/support
To open a Service Request:	www.quantum.com/osr

For the most updated information on Quantum Global Services, please visit: www.quantum.com/support