



Release Notes

Product	Linear Tape File System (LTFS) V2.2.0 for Mac with MAC GUI version 1.1.4
Date	April 2016

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Introduction

These release notes apply to the Quantum Linear Tape File System (LTFS) Mac software version 2.2.0 and Mac GUI version 1.1.4.

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

Compatibility

LTFS version 2.2.0 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 forward 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 - and 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.

New Features and Enhancements

This release contains the following enhancement:

- Updated installer to include OSXFUSE 2.8.3 for use with Mac OS 10 versions.

Resolved Issues

This release resolves the following issues:

Change Request Number	Service Request Number	Description	Solution
		Device ID determined by GUI does not work with ltfs tools	Limit search to sequential device types, so the list retrieved by the GUI will match the list retrieved by the ltfs tools.
		The last rollback point is being listed first when Traverse=Forward	Sort order of rollback indices is dependent on the traversal, forward will sort ascending and reverse will sort descending.

Known Issues

This release has the following known limitations:

Change Request Number	Service Request Number	Description	Workaround
		mklts segmentation faults on an LTO-5 FH SAS drive that has an unsupported firmware (V3050)	Make sure to use latest drive firmware available
		ltfsck deep and full recovery options are unable to recover a tape that was in a drive that was power cycled while writing	Avoid power interruption to the drive while writing data to an LTFS Volume
		If a power loss to a drive occurs during writes, the drive will appear twice in the GUI after the refresh list button is clicked.	N/A
		Quantum LTFS Manager or LTFS Mac installation package do not validate a version of LTFS SW installed on the system.	Quantum LTFS Manager is included with the LTFS install package for Mac. It is recommended to use LTFS version 2.1.2 with LTFS Manager 1.0.0 and LTFS version 2.2.0 with LTFS Manager 1.1.0. Attempts to use LTFS Manager 1.0.0 with LTFS versions prior to 2.1.2 or LTFS Manager 1.1.0 with LTFS version prior to 2.2.0 might result in a drive showing up in LTFS Manager but not being supported by actual LTFS SW.