Release Notes

Product	Scalar LTFS
Version	2.3_GAA.11380
Date	April 2014

Contents

Purpose of This Release

The Scalar LTFS v2.3 release notes address resolved and currently known issues as well as new features and enhancements. These notes also provide drive and library firmware compatibility information.

New Features and Enhancements

Scalar LTFS 2.3 includes:

- Ability to assign a user defined alias to media
- Ability to perform a direct media copy

Compatibility and Support

The following table shows the minimum drive and drive firmware compatibility with this release of Scalar LTFS. This information is current as of this product release. For the most up to date information on Quantum Global Services, please visit: http://www.quantum.com.

Drives			Library Firmware - Minimum Version		
Type	Minimum Firmware Version	Latest Tested Firmware Version	i6000	i500	i40/i80
HP LTO-5 (FC) HH	Y5DZ	Y64Z	N/A	N/A	i4 (140G.GS005)
HP LTO-5 (FC) FH	I5DZ	I69Z	i8 (640Q.GS08801)	i6 (621G.GS001)	N/A
HP LTO-5 (SAS) HH	Z59Z	Z67Z	N/A	N/A	i4 (140G.GS005)
HP LTO-5 (SAS) FH	X59Z	X67Z	N/A	i6 (621G.GS001)	N/A
HP LTO-6 (FC) HH	236Z	239Z	N/A	N/A	i5 (150G.GS003)
HP LTO-6 (FC) FH	J36Z	J3KZ	i10.3 (650Q.GS10801)	i8 (630G.GS003)	N/A
HP LTO-6 (SAS) HH	336Z	339Z	N/A	N/A	i5 (150G.GS003)
HP LTO-6 (SAS) FH	O36Z	03BZ	N/A	i8 (630G.GS003)	N/A
IBM LTO-5 (FC) FH	CBG0	D8D4	i8 (640Q.GS08801)	i6 (621G.GS001)	N/A
IBM LTO-6 (FC) FH	CB20	D8E4	i10.3 (650Q.GS10801)	i8 (630G.GS003)	N/A

System Requirements

This section lists the system requirements for Scalar LTFS and a description of each requirement.

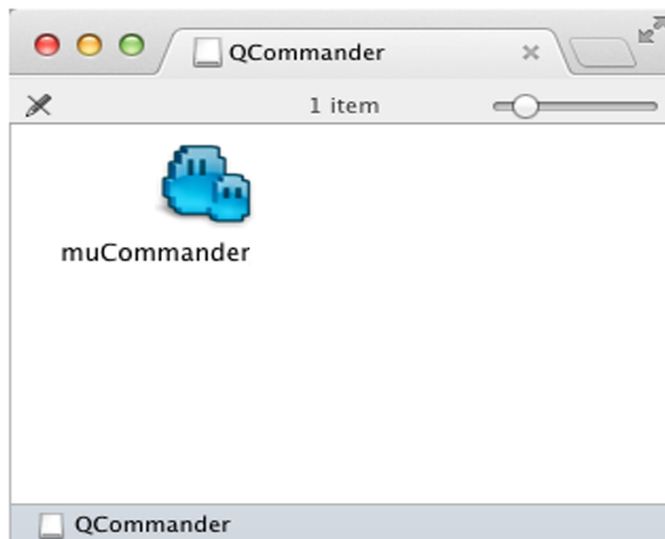| Requirement	Description
Use with library	Scalar i40, Scalar i80, Scalar i500, Scalar i6000, Dell ML6000
Drives	HP LTO-5 and LTO-6 IBM LTO-5 and LTO-6
Library Connectivity	Fibre channel SAS
Network Connectivity	Recommended minimum 1GbE
Media	LTO-5 or later
Operating System	Tested operating systems **CIFS** • Windows Server 2003 • Windows Server 2008 • Windows 7 • Windows XP (including 64 bit) • Mac OS X 10.7 **NFS v4** • Linux RHEL 5.6 • Linux Ubuntu 10.4
Internet Browsers	Tested Internet Browsers: • Firefox 18.0.2, 19.0, 26.0 • Chrome 18.0, 25.0.x, 32.0.x • Internet Explorer 8.0.x, 9.x • Safari 5.0.6
Adobe Flash Player	• 10 or higher

muCommander - Quantum Edition v1.1

For the Scalar LTFS 2.3 release, Quantum is including a modified version of muCommander as the recommended file browser for Windows and MacOS. Some native file browsers and applications will attempt to perform hidden file reads to gather file information for user presentation causing unexpected tape mounts and severe performance issues. Quantum's version of muCommander eliminates these issues.

Install muCommander for Windows

1. Go to http://www.quantum.com/serviceandsupport/softwareanddocumentationdownloads/sltfs/index.aspx

2. Select the **Downloads** tab.

3. From the list of downloads, click the **Download** button for the muCommander - Quantum Edition. A popup window displays.

4. Select the **I Accept** checkbox.

5. Click **Accept**.

6. The .zip file will download through your web browser.

7. Save the .zip file to your local machine.

8. Extract the contents of the file. The .zip file contains:

   - the muCommander - Quantum Edition .exe

   - the muCommander - Quantum Edition user instructions

9. Double-click the **muCommander.exe** file and follow the instructions to complete the installation.

10. When installation is complete, refer to the document included in the .zip file for basic instructions on how to setup and use muCommander - Quantum Edition.

Install muCommander for Mac

1. Go to http://www.quantum.com/serviceandsupport/softwareanddocumentationdownloads/sltfs/index.aspx

2. Select the **Downloads** tab.

3. From the list of downloads, click the **Download** button for the muCommander - Quantum Edition. A popup window displays.

4. Select the **I Accept** checkbox.

5. Click **Accept**.

6. The .dmg file downloads to your **Downloads** folder.

7. From the **Downloads** folder, double-click the file to begin the download.

8. When complete, a drive icon will display on your desktop.

9. Double-click the .dmg drive icon. A window displays with the muCommander icon.

10 Drag the muCommander icon to your **Applications** folder.

11 When installation is complete, refer to the document included in the .dmg file for basic instructions on how to setup and use muCommander - Quantum Edition.

General Issues

The following are important items not covered in the Known Issues section of this document.

* With NFS, if all resources are busy, system calls may receive an EAGAIN failure. This requires the operation to be retried by the host application.

* SLTFS does not support RealTek Ethernet cards on MacOS.

* Files copied from a Windows system to SLTFS and opened on MacOS sometimes produce an -8084 error. To avoid this error, copy to SLTFS media rather than a direct copy from Win7 to MacOS.

* On MacOS, copying files to newly formatted media can cause a dialog to display stating that a newer version already exists in the location you are trying to copy to. When the Finder displays the replace dialog, click **Yes**.

* With NFS, if the Scalar LTFS appliance is restarted, users will have to unmount and remount the NFS share.

* If newly attached media are not displaying in the NFS share, unmount and remount the NFS share.

* Due to tape latency it is possible that file I/O may timeout which will require the user to retry the I/O from the host system. For more details on advanced configuration, reference Chapter 2 - Best Practices in the Scalar LTFS User's Guide.

* Some special characters used by Mac are not supported by the LTFS format.

Resolved Issues

This release of Scalar LTFS has the following resolved issues:

Change Request Number	Service Request Number	Description	Solution
48990, 48987		Non-Quantum libraries connected to the same SAN as Quantum libraries may display in SLTFS and generate diagnostic tickets.	Fixed.
50251		If email configuration is set up for an authorized server and additional changes are made to the configuration, but not to the password, the system sends an incorrect password, causing all emails to fail.	Fixed.
42455		With NFS, during file IO it is possible that a failure may occur that indicates a stale file handle.	This issue was found to be a client side issue. Newer OS versions can better prevent this issue.
50483		If there is an interruption during the writing of a file, the tape may not dismount and the file may not fully copy.	Fixed.
50490		The **Lock Out Service User** option cannot be enabled from the **Configuration > System** screen.	FIxed.

Known Issues

This release of Scalar LTFS has the following known issues:

Change Request Number	Service Request Number	Description	Workaround
42470		When logging into SLTFS, users may see an 'unsafe connection' warning relating to Internet certificates.	Click the button on your related Internet browser to accept and continue.
50339		Due to size constraints, all indexes many not be contained in the save/restore image.	After applying the restore image, reattach any sequestered media to update the volume index.
51679		Performing a media copy of a tape with an alias and attempting to attach both media will generate a diagnostic ticket. This is expected behavior. However, in the GUI it may show that the aliases are different. This is because the database that stores the alias value was not updated properly.	To avoid getting the diagnostic ticket, you must enter a new alias for the tape you copied the data to. 1 From the SLTFS GUI, sequester the original source media. 2 Attach the destination media. 3 From your file system, change the alias on the destination media. 4 From the GUI, reattach the source media.
51373		Performing a media copy from the SLTFS GUI shows both the source and destination media.	No attempt to read or write to these media through the file system should be made while the media copy is in progress.

Contacting Quantum

More information about this product is available on the Service and Support Web site at www.quantum.com/support. The Service and Support Web site 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 Support:

Global Call Handling	+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 Support, please visit:
www.quantum.com/support