Release Notes

Product	Scalar LTFS
Version	2.0.0_GAA.9424
Date	March 2013

Contents

Purpose of This Release

The Scalar LTFS release is the initial release of the product. These release notes list features and currently known issues for this release of the product. These notes also provide drive and library firmware compatibility information.

New Features and Enhancements

- Supports the following configurations:
  - Professional Fibre Channel 1Gb
  - Enterprise Fibre Channel 10Gb
  - Professional SAS 1Gb
  - Enterprise SAS 10Gb
- IBM LTO-5 and LTO-6 drive support
- HP LTO-5 and LTO-6 drive support
- Non-TPM support for restricted countries

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	Firmware Minimum Version	i6000	i500	i40/i80
HP LTO-5 (FC) HH	Y5DZ	N/A	N/A	i4 (140G.GS005)
HP LTO-5 (FC) FH	I5DZ	i8 (640Q.GS08801)	i6 (621G.GS001)	N/A
HP LTO-5 (SAS) HH	Z59Z	N/A	N/A	i4 (140G.GS005)
HP LTO-5 (SAS) FH	X59Z	N/A	i6 (621G.GS001)	N/A
HP LTO-6 (FC) HH	236Z	N/A	N/A	i5 (150G.GS003)
HP LTO-6 (FC) FH	J36Z	i10.3 (650Q.GS10801)	i8 (630G.GS003)	N/A
HP LTO-6 (SAS) HH	336Z	N/A	N/A	i5 (150G.GS003)
HP LTO-6 (SAS) FH	O36Z	N/A	i8 (630G.GS003)	N/A
IBM LTO-5 (FC) FH	CBG0	i8 (640Q.GS08801)	i6 (621G.GS001)	N/A
IBM LTO-6 (FC) FH	CB20	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
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 10.0, 18.0.2 and 19.0 • Chrome 18.0, 25.0.x • Internet Explorer 7.0, 8.0.x • Safari 5.0.6
Adobe Flash Player	• 10 or higher

General Issues

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

- This version of SLTFS does not support encryption.

- 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 IO may timeout which will require the user to retry the IO from the host system. For more details on advanced configuration, reference Chapter 2 - Best Practices in the Scalar LTFS User's Guide.

Known Issues

This release of Scalar LTFS has the following known issues:

Change Request Number	Service Request Number	Description	Workaround
42918		In some instances, Scalar LTFS will generate a diagnostic ticket DT059 on a write protected tape when it should be a DT065 diagnostic ticket.	In some instances, getting the DT059 ticket indicates that the media is full. Use the GUI to verify. Users can also phyically check the tape to determine if the write protect tab has been engaged.
42831		When attempting to capture a snapshot using Google Chrome, the user is not notified when the snapshot is complete.	The **Working** dialog box will disappear to indicate the snapshot is complete.
42658		When reading a file multiple times from a mounted tape users will see a significatnt performance degradation.	Let the source media be dismounted and then reissue the read request.

Change Request Number	Service Request Number	Description	Workaround
42592		HP LTO-6 FC drives may generate Tape Alert 1 warnings. If your file IO fails, check your library's diagnostic tickets for any Tape Alert 1 tickets.	Ensure your drive firmware is at the correct minimum version. See Compatibility and Support on page 2.
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.
42455		With NFS, during file IO it is possible that a failure may occur that indicates a stale file handle.	Retry the file IO.
42283		Detaching a partition with media still mounted causes the drives to be reserved and unavailable when attempting to use them.	Reboot the library and drives.
41105		If you reset the network through the SLTFS GUI, the host may cause current file activity to fail.	For Linux, you need to unmount the file system from SLTFS and remount. For Windows, you may need to unmap SLTFS from the host and re-map.
40937		If there is an error during the creation or download of large files, SLTFS fails to notify users.	Occasionally, errors can occur during the creation or download of large files, such as an extended snapshot.
40589		If you are attempting to copy a large number files from one piece of media to another, a network timeout error may occur.	Copy files to the new media in smaller amounts.
40194		With NFS, if you attempt to perform a mkdir on an unmounted tape, and all drives are busy, the mkdir may fail.	Retry the mkdir.

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