Quantum Scalar i6H Release Notes

Product	Scalar i6H
Firmware Version	278G.GS041
Date	February 2022

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About This Release

The Scalar i6H 278G.GS041 release is a feature and maintenance release that details bug fixes described in the Resolved Issues section. Refer to Known Issues for additional information.

What's New in this Release?

This release supports the Scalar i6H library. Enhancements in this library include:

- New LTO-9 drive firmware.
- Automatic Drive Cleaning Option support added.
  - In addition to tape drive requested cleaning needs, you can now configure how often a drive may be cleaned within any 24-hour time frame, and whether a library firmware determined drive error-code-based cleaning algorithm should also be enabled or disabled to initiate drive cleaning requests. These error-code-based cleanings are not to exceed a configurable number of cleanings set for any 24-hour time frame.
- Bug fixes and enhancements (see Resolved Issues on page 6).

General Information

- After a library firmware upgrade, Quantum recommends that you clear your web browser cache before logging back into the WebGUI.
- Some snapshots, logs or RAS tickets are as large as 12 MBs. If you have automated notifications configured for RAS tickets and logs you may not receive them if your email does not allow attachments of this size.
- To help maintain system integrity and for marketing purposes, Quantum regularly collects system information through automatic emails (ScalarTelemetrics). These emails contain configuration and status information only, and do not contain any customer data stored on the system. See WebGUI Default Settings for information on how to disable telemetrics.
- The Web client places a cookie on the user's computer to provide the last user's credentials upon login. The cookie only collects the user's credentials to facilitate login, and does not collect any other user data.
- Any application or browser connecting over https must support TLS v1.2.
- To help maintain system integrity and for marketing purposes, Quantum regularly collects system information through automatic emails and cloud based telemetric auto support. These emails and auto support telemetric data contain configuration and status information only, and do not contain any customer data stored on the system.

Email Support

To disable this function:

1. Log on to your library.
2. Select **Notifications** from the **Navigation** menu.
3. Select the check box next to *scalartelemetrics@quantum.com* in the **North Panel**.
4. From the **Operation** panel, select **Reports**.
5. Click the trash can icon next to **Scalar Telemetrics** report.
6. Click **Apply**, then **Close**.

Auto Support

To disable this function:

1. Log on to your library.
2. Select **Notifications** from the **Navigation** menu.
3. Select the check box next to *Auto Support* in the **North Panel**.
4. To disable RAS tickets, select **RAS Tickets** From the **Operation** panel.
5. De-select the **Enable Auto Support Communication** check box.
6. Click **Apply**, then **Close**.
7. From the **Operation** panel, select **Reports**.
8. Click the trash can icon next to **Scalar Telemetrics** report.
9. Click **Apply**, then **Close**.

Security Scanners

Quantum tests with the following Security scanners against the library:

- Nessus Professional v. 8.10.1

No high/critical vulnerabilities found against this release using Nessus Profession Security Scanner.

Compatibility and Support

Web Browser Support

The Scalar i6H WebGUI supports the following web browsers. Quantum recommends upgrading to the latest version of the browser.

Web Browser	Versions Supported
Internet Explorer	Not supported.
Google Chrome	Version 51 and above.
Mozilla Firefox	Version 55 and above.
Apple Safari	Recommend latest version.
Microsoft Edge	Recommend using Edge version 79 or greater, using the Chromium engine. This resolves issues of slowness found in the older versions of Edge.

Drive Firmware

FC Full High (FH) Drive Types	Latest Firmware Version
IBM LTO-7 (FC) (FH) 8 Gb[1]	N9M0
IBM LTO-7 (FC) (FH) 8 Gb (FIPS)	N9M0
IBM LTO-8 (FC) (FH) 8 Gb[1]	N9M0
IBM LTO-8 (FC) (FH) 8 Gb (FIPS)	N9M0
IBM LTO-9 (FC) (FH) 8 Gb[1]	NCA0

[1] Bundled with library firmware.

Tape Drive Driver Versions

The following table provides the tape drive driver versions.

Drive Manufacturer	OS	Approved Version	Comments
IBM	Linux	3.0.31	Includes APFO & LTO8
IBM	Windows	6.2.6.6	Includes APFO & LTO8
IBM	AIX	13.0.22.0	Includes APFO & LTO8

Resolved Issues

This release of Scalar 278G.GS041 firmware resolved the following issues (bug fixes).

Change Request Number	Service Request Number	Description	Resolution
SQ-1003		Communication certificates encrypted on the library.	Enhancement.
SQ-2123 WUI-1216		Prevent the use of an expired cleaning tape when manual cleaning of the library is performed.	Enhancement.
SQ-2371		New LTO-9 drive firmware (NCA0)	Enhancement.
SQ-2381		Green mode re-enabled for any LTO-9 drive with NCA0 and later drive firmware.	Enhancement.
SQ-2388		Cannot delete LDAP user from User Access list in WebGUI.	Fixed.
SQ-2399		Real time tape presence detection support added for drive PUT operations.	Enhancement.
SQ-2407		Drive PUT issue.	Fixed.
WUI-1112		Automatic Drive Cleaning Option support added to **Library > Configuration > Settings**.	Enhancement.

Known Issues

This release of Scalar 278G.GS041 firmware has the following known issues:

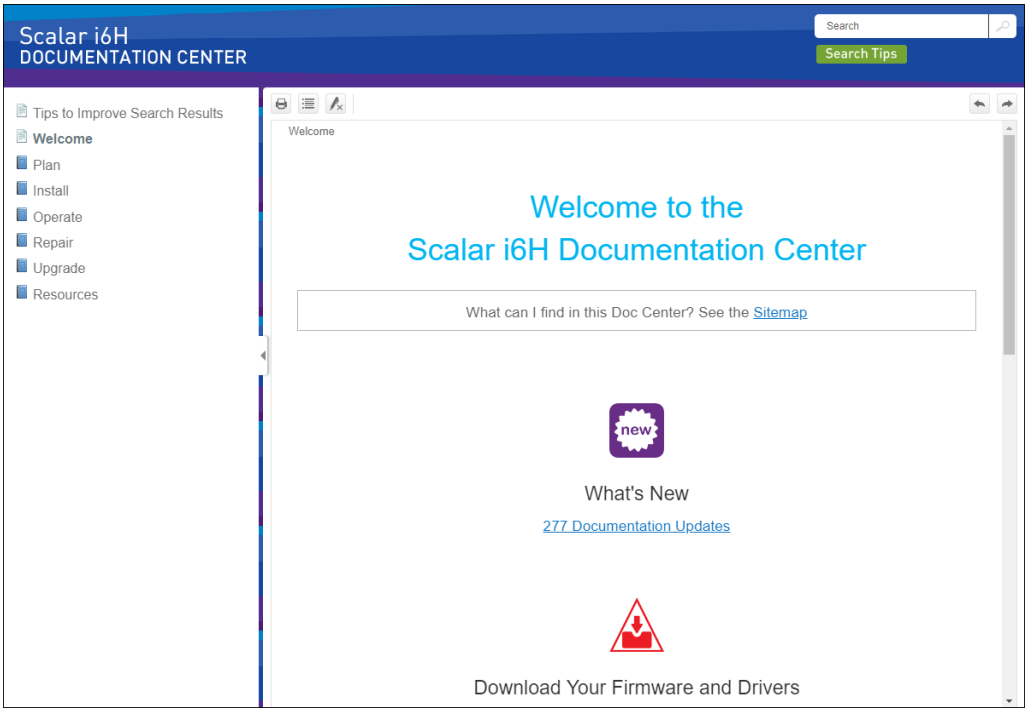
Change Request Number	Description	Workaround
SQ-1193	Manual drive cleaning fails when I/E station is open and closed while cleaning is in process.	Close error and repeat manual drive cleaning.
SQ-1847	Library posts Power Supply Configuration/Installation RAS ticket (ET004) after a library firmware upgrade. The power supplies are powered on and no fault is indicated.	Disregard and close the RAS ticket.
SQ-1970	LTO-9 media initialization time.	When LTO-9 media is loaded into a drive for the first time, it may take up to two hours for the media to be initialized and calibrated. You should expect delays in media access and unload timing.
SQ-2434	Media does not complete calibration if drive is varied off.	Do not vary off drives during media calibration.
SQ-2443	Under **Library > Configuration > Settings**, the following Automatic Drive Cleaning options are currently not available: • Performance Based Cleanings - the reported default value for number of cleanings of such type during any 24-hour time frame does not currently apply. • Rewrite Based Cleanings - the reported default value for number of cleanings of such type during any 24-hour time frame does not currently apply.	Do not use. Support for these configurations will implemented in a future release.

Documentation

All Scalar i6H documentation is available at the Scalar i6H Documentation Center: www.quantum.com/Scalari6HDocs

Scalar i6H documentation includes:

- Site Planning Guide
- Installation Guide
- Operation Guides
- Repair and Upgrade Guides
- Reference Guides (Web Services, SCSI, SNMP)



Contacting Quantum

For further assistance, contact the Quantum Customer Support Center:

Region	Support Contact
North America	1-800-284-5101 (toll free) +1-720-249-5700
EMEA	+800-7826-8888 (toll free) +49 6131 324 185
Asia Pacific	+800-7826-8887 (toll free) +603-7953-3010
For worldwide support: https://www.quantum.com/serviceandsupport/get-help/index.aspx#contact-support	