Quantum Scalar i6 Release Notes

Product	Scalar® i6
Library Firmware Version	235G.GS002
Veeam Tape Server iBlade BaseOS	v1.2.0-3
Scalar LTFS iBlade BaseOS	v1.3.0-6
Supported Web Browsers for WebGUI	Firefox Chrome Microsoft Edge
Date	April 2020

Contents

About This Release

The Scalar i6 235G.GS002 release is a maintenance release. It includes the following:

- [Resolved Issues](#) (bug fixes)

General Information

- After a library firmware upgrade, Quantum recommends that you clear your web browser cache before logging back into the WebGUI.

- If an iBlade is present, Scalar i6 systems with an Internet connection will automatically update and level the iBlade BaseOS FW during a library FW update.

  If the Scalar i6 system does not have an Internet connection, you can still update your iBlade BaseOS FW as described on our Documentation Center:

  - Go to www.quantum.com/documentation and select your product.

  - Go to **Operate > User Guide > About Devices > Devices BaseOS**. To will see detailed steps on updating iBlade BaseOS FW

- Veeam Tape Server iBlades - If Microsoft Hyper-V or any other hypervisor is installed on the Veeam Tape Server iBlade, the Virtual Machine (VM) Operating System (OS) will not be able to see the blade FC/SAS controller. This will cause the Scalar drives to no longer be visible to the VM OS.

- Bridging and teaming interfaces on the Veeam Tape Server iBlade is not supported and can cause network card issues.

- 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 (Scalar Telemetrics). 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**.

WebGUI Default Settings

Scalar i6 software is installed with certain default settings. This section outlines those default settings. Review this section to determine if any of the default settings need to be changed to make your library run more effectively.

WebGUI Path	Option	Default Setting
User Access > Settings	Local User Interface (LUI) Access	Open Access
	Admin/User Access: Session Timeout	15 minutes
	Services Access: Enable Remove Access	Indefinite
	Enable Local Service Port Login: Access Window	Indefinite
Notifications > RAS Tickets	Enable RAS Tickets	Enabled
	Severity	All options enabled
Notifications > Reports	Scalar Telemetrics	Once you have an email server configured, telemetrics is enabled for monthly automatic emails. To disable, click the **Trash** icon.
Library > IE Area	I/E Slots	0 (zero)
Library > Settings	Operational Parameters: Automatic Inventory	Enabled
	Operational Parameters: Library-Assisted Drive Unload	Disabled
	Operational Parameters: Logical Drive Serial Number Addressing	Enabled
	Operational Parameters: Logical System Addressing	Disabled
	IE Assignment Mode: Local UI Assignment	Enabled
System > Notifications	Email Reports / Auto Support	Enabled
System > Settings	Library-Initiated Website Access	Enabled

Security Scanners

Quantum runs the following Security scanners against the library. No high or critical vulnerabilities were found.

- Nessus Professional v. 8.8.0

Compatibility and Support

Encryption Key Management Drive Support

The following table provides the encryption key management drive support.

Encryption Option	IBM LTO-6 (FH)	IBM LTO-7 (FH)	IBM LTO-8 (FH)
Application Managed Encryption	Supported	Supported	Supported
SKM	Requires SKM License	Requires SKM License	Requires SKM License
KMIP Key Manager[1]	Requires EKM License	Requires EKM License	Requires EKM License

[1] - Only SafeNet, IBM SKLM and Thales encryption key servers are supported KMIP configurations
It is recommended that Safenet servers be updated to v8.6.0.

Firmware Compatibility

For the latest qualified library and drive firmware, please visit: https://www.quantum.com/serviceandsupport/softwareanddocumentationdownloads/si6/index.aspx

FC Full High (FH) Drives

FC Full High (FH) Drive Types	Latest Firmware Version
IBM LTO-6 (FC) (FH) 8 Gb[1]	KAJ0
IBM LTO-6 (FC) (FH) 8Gb (FIPS)	K4M0
IBM LTO-7 (FC) (FH) 8 Gb[1]	KAH0
IBM LTO-7 (FC) (FH) 8 Gb (FIPS)	K4K0
IBM LTO-8 (FC) (FH) 8 Gb[1]	KAH5
IBM LTO-8 (FC) (FH) 8 Gb (FIPS)	K4K0

FC Full High (FH) Drive Types	Latest Firmware Version
[1]Bundled with 235G library firmware.	

iBlade BaseOS Versions for 235G Library Code

The following table provides the iBlade BaseOS versions for the 235G.GS002 library code.

iBlade OS	Customer BaseOS Download From Web	iBlade SLFTS Application
Linux	1.3.0-6	2.9.0-7
Windows	1.2.0-3	N/A

Tape Drive Driver Versions

The following table provides the tape drive driver versions.

Drive Manufacturer	OS	Approved Version	Comment
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

The latest tape driver versions are located at https://www.quantum.com/serviceandsupport/softwareanddocumentationdownloads/si6/index.aspx

Software Compatibility

To view a list of backup software packages which have been tested for interoperability with the Scalar i6 Library, see the Quantum Software Compatibility Guide at http://www.quantum.com/swcompguide.aspx.

Resolved Issues

This release of Scalar i6 235G.GS002 firmware has the following resolved issues:

Change Request Number	Service Request Number	Description	Resolution
SQ-700	554687	Incorrect drive WWPN after Logical System Addressing (LSA) enabled.	Fixed.
SQ-701		System humidity incorrectly calculated.	Fixed.
SQ-723		Winblade snapshot issue.	Fixed.

Known Issues

This release of Scalar i6 235G.GS002 firmware has the following known issues.

Change Request Number	Service Request Number	Description	Workaround
SQ-352 (59543)		Automated RAS ticket notifications that include snapshots are unable to be sent because snapshot file is too large.	Make sure that your email is enabled to receive attachments as large as 12 MB.
62032		Unable to log into the RUI when a demo is running.	Works as designed. All users are logged out when a demo is running.
62230		Restore fails when invalid or corrupt image is used.	Use the restore image as soon as possible to test it. If the image fails, save a different restore image.
65020		Medium Changer Device driver not started after Scalar upgrade, causing Veeam to see Veeam Tape Server iBlade as offline.	Restart the iBlade. In the WebGUI, go to **WebGUI > Devices**. Select **Devices Restart** from the right navigation menu.
69167		EDLM report shows as **Untested** even though it was scanned	Disregard **Untested** status.
SQ-556		Veeam updates fail when using Service Port.	Use customer ports for updates.

Documentation

The following reference documents are currently available for the Scalar i6.

Document Number	Document Title
6-68529	*Scalar i6 Documentation Center*
6-68529	*SNMP Reference Guide (in Documentation Center)*
6-68529	*SCSI Reference Guide (in Documentation Center)*
6-68529	*Web Services API Guide (in Documentation Center)*
6-68529	*muCommander - Quantum Edition User's Guide (in Documentation Center)*
6-67320	*Scalar i3 & i6 Open Source Software Licenses*

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