



Quantum Scalar i6 Release Notes

Product	Scalar® i6
Library Firmware Version	150G.GS080 (i2.1)
Veeam Tape Server iBlade BaseOS	v1.1.0-12
Scalar LTFS iBlade BaseOS	v1.2.0-7
Supported Web Browsers for WebGUI	Firefox Chrome Microsoft Edge
Date	December 2017

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About This Release

The Scalar i6 i2.1 (150G.GS080) release includes new features and enhancements as well as any [Known Issues](#) that could be experienced when using this firmware release. The release also details bug fixes described in the [Resolved Issues](#) section.

New Features and Enhancements

This release includes the following new features or enhancements:

- Support for IBM LTO-8 drives
- Support for LTO-8 Type M media (M8)

General Information

- **IMPORTANT:** If you have an iBlade, updating Scalar i6 library firmware requires an update to the iBlade BaseOS firmware. A **Blade FW Mismatch RAS ticket (ET245)** will be generated upon restart of your library after the upgrade. To resolve, 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
- 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 (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.

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
	IE Assignment Mode: Local UI Assignment	Enabled

Security Scanners

Quantum runs the following Security scanners against the library:

- Nessus Professional v. 6.11.1
- insightVM 6.4.63

Compatibility and Support

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

Note: It is recommended that Safenet servers be updated to v8.6.0.

Firmware Compatibility Matrix

The following table shows information on drive compatibility with this release of Scalar i6. This information is current as of this product release. For the most up-to-date information on the latest qualified firmware, please visit: <http://www.quantum.com>.

Drive Types	Minimum Firmware Version ¹
IBM LTO-6 (FC) (FH) 8 Gb	H990
IBM LTO-7 (FC) (FH) 8 Gb	HB80
IBM LTO-8 (FC) (FH)	HB82

1. Check with Quantum Support for the latest firmware.

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 i2.1 (150G.GS080) firmware has the following resolved issues:

Change Request Number	Service Request Number	Description	Resolution
66408	378471, 378873	After setting up advanced path failover with primary and secondary drives, the library reset the configuration after it was rebooted.	Fixed.
65544	364784	Unable to set SKPL (single key per library) or SKPP (single key per partition) for encryption.	Fixed.
65559	364632	The warranty license no longer appears on GUI when it expires.	Fixed.
65583	364574	Add Scan-in-Place Retries for Inventory of Full Drives.	Fixed.
65443	362838, 364577	Firmware upgrade caused the partition names to change.	Fixed.

Known Issues

This release of Scalar i6 i2.1 (150G.GS080) firmware has the following known issues.

Change Request Number	Service Request Number	Description	Workaround
61245		When running a Drive Assembly Test, selecting multiple drives does not ensure all drives are tested.	Select a single drive at a time and run the test.
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.
61789		EDLM scans were taking too long to complete.	EDLM scans will only be performed on media not loaded in a drive.

Change Request Number	Service Request Number	Description	Workaround
61993		Media failed to import but the WebGUI indicated a successful import.	Verify that there are enough storage lots available before importing media. Go to Operate > User Guide > About the Library . Select Resources from the right navigation menu.
62009		GUI allows EDLM and Active Vault partitions to be configured to trigger EDLM scans when a tape alert is generated.	No action needed. These setting have no impact on scanning operations.
64258		Unable to open Scalar i6 snapshot files when downloaded with Firefox.	A blade snapshot can be opened or saved on Firefox. Library snapshots can only be saved.
65020		Medium Changer Device driver not started after Scalar i6 upgrade, causing Veeam to see Veeam Tape Server iBlade as offline.	Restart the iBlade . Go to Operate > User Guide > About Devices . Select Devices Restart from the right navigation menu.
65238		Could not create SSL/TLS secure channel.	Any application or browser connecting over https must support TLS v1.2.
66451		A library with both Ethernet ports configured on two completely separate subnets only had one port working after a library reboot.	Only use a single Ethernet port.
66703		Upgrades to the Veeam Tape Server iBlade BaseOS causes unexpected failures and may require you to update a second time.	<p>To determine if the second update is needed, check the LEDs on the iBlade after the first upgrade is attempted. Wait about 10 minutes after the upgrade is done. If the LEDs are solid and not flashing, the second upgrade is needed.</p> <p>You must manually install driver 6365.</p>

Change Request Number	Service Request Number	Description	Workaround
66770		iBlade BaseOs needs the newest IBM LTO8 tape drive driver.	<ol style="list-style-type: none">1 Go to Quantum.com.2 Goto to the Scalar i6 Drivers page.3 Download IBMTape_x64_w16_6266.4 From your Windows Start Menu, type Command Prompt.5 Right click on Command Prompt and select Run as Administrator. <p>Note: Being logged in as administrator is not sufficient. You need to run as administrator.</p> <ol style="list-style-type: none">6 Using the command prompt, navigate to where the drive is loaded.7 Type install_nonexclusive.exe -t to install the driver.8 Accept any further prompts that appear.

Documentation

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

Document Number	Document Title
6-66532-xx	<i>Scalar Key Manager Quick Start Guide</i>
6-66531-xx	<i>Scalar Key Manager User's Guide</i>
6-66572-xx	<i>Scalar Key Manager Safety Information by IBM</i>
6-66535-xx	<i>Scalar Key Manager Open Source License Agreement</i>
6-68531-xx	<i>SNMP Reference Guide</i>
6-00423-xx	<i>SCSI Reference Guide</i>
6-68185-xx	<i>Web Services API Guide</i>
6-68120-xx	<i>muCommander - Quantum Edition User's Guide</i>

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