



# Quantum Scalar i3 Release Notes

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<b>Product</b>	Scalar® i3
<b>Firmware Version</b>	204G.GS002 (i4.0.4)
<b>Veeam Tape Server iBlade BaseOS</b>	v1.2.0-3
<b>Scalar LTFS iBlade BaseOS</b>	v1.3.0-6
<b>Supported Web Browsers for WebGUI</b>	Firefox Chrome Microsoft Edge
<b>Date</b>	January 2019

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## Contents

About This Release . . . . .	2
New Features and Enhancements . . . . .	2
General Information . . . . .	2
Security Scanners . . . . .	4
Compatibility and Support . . . . .	4
Resolved Issues . . . . .	6
Known Issues . . . . .	6
Documentation . . . . .	7
Contacting Quantum . . . . .	8

## About This Release

The Scalar i3 i4.0.4 204G.GS002 release includes the following:

- [New Features and Enhancements](#)
- [Resolved Issues](#) (bug fixes)
- [Known Issues](#)

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## New Features and Enhancements

This release introduces support for the Generation 2 Robot.

- Quantum pursues continuous improvement through firmware and hardware.
- This Generation 2 robot reflects evolutionary updates to our original robot design.

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## General Information

- If an iBlade is present, Scalar i3 systems with an Internet connection will automatically update and level the iBlade BaseOS FW during a library FW update.

If the Scalar i3 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](http://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 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 (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 i3 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
<a href="#">User Access &gt; Settings</a>	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
<a href="#">Notifications &gt; RAS Tickets</a>	Enable RAS Tickets	Enabled
	Severity	All options enabled
<a href="#">Notifications &gt; Reports</a>	Scalar Telemetrics	Once you have an email server configured, telemetrics is enabled for monthly automatic emails. To disable, click the <b>Trash</b> icon.
<a href="#">Library &gt; IE Area</a>	I/E Slots	0 (zero)
<a href="#">Library &gt; Settings</a>	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

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## Security Scanners

Quantum runs the following Security scanners against the library:

- Nessus Professional v. 8.0.1
- insightVM 6.4.63

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## Compatibility and Support

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### Encryption Key Management Drive Support

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The following table provides the encryption key management drive support.

Encryption Option	IBM LTO-6 (HH)	IBM LTO-7 (HH)	IBM LTO-8 (HH)
Application Managed Encryption	Supported	Supported	Supported
SKM	Requires SKM License	Requires SKM License	Requires SKM License
KMIP Key Manager <sup>1</sup>	Requires EKM License	Requires EKM License	Requires EKM License

<sup>1</sup> - SafeNet, IBM SKLM and Thales encryption key servers are supported KMIP configurations  
It is recommended that Safenet servers be updated to v8.6.0 or greater.

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### Firmware Compatibility Matrix

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The following tables show information on drive compatibility with this release of Scalar i3. 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>.

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### SAS Half High (HH) Drives

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SAS HH drive types and minimum firmware versions are:

SAS HH Drive Types	Minimum Firmware Version <sup>1</sup>
IBM LTO-6 (SAS) (HH) 6 Gb	J451
IBM LTO-7 (SAS) (HH) 6 Gb	J4D1
IBM LTO-8 (SAS) (HH) 6 Gb	J4D1

<sup>1</sup>Check with Quantum Support for the latest firmware.

## **FC Half High (HH) Drives**

FC HH drive types and minimum firmware versions are:

FC HH Drive Types	Minimum Firmware Version <sup>1</sup>
IBM LTO-6 (FC) (HH) 8 Gb	J451
IBM LTO-7 (FC) (HH) 8 Gb	J4D1
IBM LTO-8 (FC) (HH) 8 Gb	J4D1
<sup>1</sup> Check with Quantum Support for the latest firmware.	

## **iBlade BaseOS Versions for i4.0.3 Library Code**

The following table provides the iBlade BaseOS versions for the i4.0.3 library code.

iBlade OS	Quantum Winblade Conversion (Englewood)	Customer BaseOS Download From Web	iBlade SLFTS Application
Linux	N/A	1.3.0-6	2.9.0-7
Windows	1.1.0-16	1.2.0-3	N/A
	Update w/ i4.0.3		

## **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

## **Software Compatibility**

To view a list of backup software packages which have been tested for interoperability with the Scalar i3 Library, see the Quantum Software Compatibility Guide at <http://www.quantum.com/swcompguide.aspx>.

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## Resolved Issues

This release of Scalar i3 i4.0.4 204G.GS002 firmware has the following resolved issues:

Change Request Number	Service Request Number	Description	Resolution
68757	416577	Add power supply information to config record	Fixed
68862	448737	SKPL and SKPP are failing with SKM	Fixed
69407	460437	SNMP reporting the incorrect drive status	Fixed
69353		Library firmware hang in GUI resolved.	Fixed
69368	449741	Improve robot handling to overcome library's rack-joint assembly issue	Fixed
69365		SNMP seems to hang when using invalid string	Fixed

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## Known Issues

This release of Scalar i3 i4.0.4 204G.GS002 firmware has the following known issues.

Change Request Number	Service Request Number	Description	Workaround
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.
62027		Failure occurs when attempted to add drives and slots to a partition.	Wait for a drive to be initialized before attempting to add it to a partition.
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.

Change Request Number	Service Request Number	Description	Workaround
65020		Medium Changer Device driver not started after Scalar upgrade, causing Veeam to see Veeam Tape Server iBlade as offline.	<a href="#">Restart the iBlade</a> . Go to <b>Operate &gt; User Guide &gt; About Devices</b> . Select <b>Devices Restart</b> 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.
68324		Cannot change a partition encryption path diagnostic duration when partition is online.	Take the selected partition offline. Reset the encryption path diagnostic duration back to zero and put the partition back online.

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## Documentation

The following reference documents are currently available for the Scalar i3.

Document Number	Document Title
6-68528-xx	<a href="#">Scalar i3 Documentation Center</a>
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>
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>

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## Contacting Quantum

More information about this product is available on the Service and Support website at [www.quantum.com/support](http://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:

<b>Quantum Technical Assistance Center in the USA:</b>	+1 800-284-5101
<b>For additional contact information:</b>	<a href="http://www.quantum.com/support">www.quantum.com/support</a>
<b>To open a Service Request:</b>	<a href="http://www.quantum.com/osr">www.quantum.com/osr</a>

For the most updated information on Quantum Global Services, please visit: [www.quantum.com/support](http://www.quantum.com/support)