



Quantum Scalar i6 Release Notes

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| Product | Scalar® i6 |
| Library Firmware Version | 200G.GS049 (i4) |
| 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 | November 2018 |

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About This Release

The Scalar i6 i4 200G.GS049 release includes the following:

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

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.

General Information

- 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 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 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

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 Matrix

The following tables show 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>.

| FC Full High (FH) Drive Types | Minimum Firmware Version ¹ |
|---------------------------------|---------------------------------------|
| IBM LTO-6 (FC) (FH) 8 Gb | J450 |
| IBM LTO-6 (FC) (FH) 8Gb (FIPS) | J450 |
| IBM LTO-7 (FC) (FH) 8 Gb | J4D0 |
| IBM LTO-7 (FC) (FH) 8 Gb (FIPS) | J4D0 |
| IBM LTO-8 (FC) (FH) 8 Gb | J4D0 |
| IBM LTO-8 (FC) (FH) 8 Gb (FIPS) | J4D0 |

¹Check with Quantum Support for the latest firmware.

iBlade BaseOS Versions for i4 Library Code

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

| iBlade OS | Quantum Winblade Conversion (Englewood) | Customer BaseOS Download From Web | iBlade SLFITS 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 | | |

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 i6 Library, see the Quantum Software Compatibility Guide at <http://www.quantum.com/swcompguide.aspx>.

Resolved Issues

This release of Scalar i6 i4 200G.GS049 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 |

Known Issues

This release of Scalar i6 i4 200G.GS049 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. |
| 65020 | | Medium Changer Device driver not started after Scalar 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. |
| 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. |

Documentation

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

| Document Number | Document Title |
|-----------------|--|
| 6-68529-xx | Scalar i6 Documentation Center |
| 6-68531-xx | SNMP Reference Guide |
| 6-00423-xx | SCSI Reference Guide |
| 6-68185-xx | Web Services API Guide |
| 6-68120-xx | muCommander - Quantum Edition User's Guide |
| 6-66532-xx | Scalar Key Manager Quick Start Guide |
| 6-66531-xx | Scalar Key Manager User's Guide |
| 6-66572-xx | Scalar Key Manager Safety Information by IBM |
| 6-66535-xx | Scalar Key Manager Open Source License Agreement |

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:

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| 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