



# Quantum Scalar i3 Release Notes

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| <b>Product</b>          | Scalar i3     |
| <b>Firmware Version</b> | 260G.GS152    |
| <b>Date</b>             | February 2021 |

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# About This Release

The Scalar i3 260G.GS152 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 i3 library. Features in this library include:

- iBlade fixes.
- Library reset function now available in the LUI and WebGUI.
- SAS and FC drive support for Multi-Path and Advanced Path Failover.
- New drive firmware (MA71).

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## General Information

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

# 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 |
|----------------------------------|--|-----------------|
| <b>User Access &gt; Settings</b> | Local User Interface (LUI) Access              | Open Access     |
|                                  | Admin/User Access: Session Timeout             | 15 minutes      |
|                                  | Services Access: Enable Remote Access          | Disabled        |
|                                  | Enable Local Service Port Login: Access Window | Indefinite      |

| WebGUI Path                           | Option   | Default Setting   |
|---------------------------------------|--|---|
| <b>Notifications &gt; RAS Tickets</b> | Enable RAS Tickets   | Enabled   |
|                                       | Severity   | All options Enabled   |
| <b>Notifications &gt; Reports</b>     | Scalar Telemetrics   | Once you have an email server configured, telemetrics is enabled for monthly automatic emails. To disable, click the <b>Trash</b> icon. |
|                                       | I/E Slots  | 0 (zero)  |
| <b>Library &gt; Settings</b>          | Operational Parameters: Automatic Inventory                    | Enabled   |
|                                       | Operational Parameters: LibraryAssisted Drive Unload           | Disabled  |
|                                       | Operational Parameters: Logical Drive Serial Number Addressing | Enabled   |
|                                       | Operational Parameters: Logical System Addressing              | Disabled  |
|                                       | IE Assignment Mode: Local UI Assignment                        | Enabled   |
| <b>System &gt; Network</b>            | Connectivity / SSH   | Disabled  |
| <b>System &gt; Notifications</b>      | Email Reports / Auto Support                                   | Enabled   |
| <b>System &gt; Settings</b>           | Library-Initiated Website Access                               | Enabled   |

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## Security Scanners

Quantum tests with the following Security scanners against the library:

- Nessus Professional v. 8.10.1

# Compatibility and Support

## Encryption Key Management Drive Support

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 ManagedEncryption | 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> 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.

## Web Browser Support

The Scalar i3 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. |

## Firmware Compatibility

For the most up-to-date information on the latest qualified library and drive firmware, please visit:

<https://www.quantum.com/serviceandsupport/softwareanddocumentationdownloads/si3/index.aspx>

## Drive Firmware

| SAS Half High (HH) Drive Types         | Latest Firmware Version |
|--|-------------------------|
| IBM LTO-6 (SAS) (HH) 6 Gb <sup>1</sup> | KAJ9                    |
| IBM LTO-7 (SAS) (HH) 6 Gb <sup>1</sup> | MA71                    |
| IBM LTO-8 (SAS) (HH) 6 Gb <sup>1</sup> | MA71                    |

<sup>1</sup> Bundled with library firmware.

| FC Half High (HH) Drive Types         | Latest Firmware Version |
|---------------------------------------|-------------------------|
| IBM LTO-6 (FC) (HH) 8 Gb <sup>1</sup> | KAJ9                    |
| IBM LTO-7 (FC) (HH) 8 Gb <sup>1</sup> | MA71                    |
| IBM LTO-8 (FC) (HH) 8 Gb <sup>1</sup> | MA71                    |

<sup>1</sup> Bundled with library firmware.

## iBlade BaseOS Versions for Library Code

The following table provides the iBlade BaseOS versions for the 260G.GS152 library code.

| iBlade OS | Customer BaseOS Download From Web | iBlade SLFTS Application |
|-----------|-----------------------------------|--------------------------|
| Linux     | 1.3.0-6                           | 2.10.0-40                |
| Windows   | 1.3.0-4                           | N/A                      |

## 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 |

The latest tape driver versions are located at:

<https://www.quantum.com/serviceandsupport/softwareanddocumentationdownloads/si3/index.aspx>

## Resolved Issues

This release of Scalar 260G.GS152 firmware resolved the following issues (bug fixes).

| Change Request Number | Service Request Number | Description   | Resolution   |
|-----------------------|------------------------|---|--------------|
| SQ-148<br>(71065)     |                        | RAS ticket enhancement to return failed status if tape is left at a location other than its specified location. | Enhancement. |
| SQ-150<br>(70786)     | 509107                 | Rack joint issues.  | Fixed.       |
| SQ-160<br>(69496)     |                        | Library reset available in both the WebGUI and LUI.   | Enhancement. |
| SQ-598                | 546518                 | iBlade Apache HTTP and PHP updates.   | Update.      |
| SQ-725                | 555734                 | iBlade OpenSSH error.   | Fixed.       |
| SQ-726                | 555734                 | Security scans fill iBlade drive.   | Fixed.       |
|                       | 572203                 |   |              |
| SQ-1057               | 573843<br>575044       | Library temperature and humidity data issues.   | Fixed.       |
| SQ-1077               |                        | SCB ethernet port 2 connectivity issues.  | Fixed.       |
| SQ-1109<br>(68818)    | 445943                 | iBlade replacement triggers RAS ticket that iBlade is missing.  | Fixed.       |
| SQ-1312               | 586276                 | Read/Write Performance Test on EDLM drive fails due to load timeout.  | Fixed.       |
| SQ-1314               | 587873                 | ET031 (Unexpected RCS Reset) ticket elevated to Severity 1.   | Enhancement. |
| SQ-1375               | 590410<br>591455       | Application of service license causes other library licenses to disappear.                                      | Fixed.       |
| WUI-987               | 580879                 | GUI does not allow valid email addresses.   | Fixed.       |

| Change Request Number | Service Request Number | Description   | Resolution   |
|-----------------------|------------------------|---|--------------|
| WUI-1016              |                        | SAS and FC drive support for Multi-Path and Advanced Path Failover. | Enhancement. |
| WUI-1025              | 584793                 | Unable to access GUI on Mac OS Chrome or Safari web browsers.       | Fixed.       |

## Known Issues

This release of Scalar 260G.GS152 firmware has the following known issues:

| Change Request Number | Service Request Number | Description   | Workaround  |
|-----------------------|------------------------|---|---|
| SQ-354<br>(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.   |
| SQ-355<br>(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 <b>WebGUI &gt; Devices</b> . Select <b>Devices Restart</b> from the right navigation menu. |
| SQ-556                |                        | Veeam updates fail when using Service Port.   | Use customer ports for updates.   |
| 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.   |



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# Documentation

The following documents are currently available for the Scalar i3.

| Document Number | Document Title  |
|-----------------|---|
| 6-68528         | <i>Scalar i3 Documentation Center</i>                                       |
| 6-68528         | <i>SNMP Reference Guide (in Documentation Center)</i>                       |
| 6-68528         | <i>SCSI Reference Guide (in Documentation Center)</i>                       |
| 6-68528         | <i>Web Services API Guide (in Documentation Center)</i>                     |
| 6-68528         | <i>muCommander - Quantum Edition User's Guide (in Documentation Center)</i> |
| 6-67320         | <i>Scalar i3 &amp; i6 Open Source Software Licenses</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>         |