Quantum Scalar i6000
Release Notes

Product	Scalar® i6000, Firmware Version i10.5
Firmware Version	656Q.GS01501
Operating Systems (Remote LMC Client)	Microsoft™ Windows® Solaris™ Red Hat® Linux
Supported Web Browsers	Firefox Internet Explorer versions 7, and 8
Required Java Runtime Environment (JRE)	JRE version 6
Date	August 2014

Contents

Purpose of This Release

The Scalar i6000 i10.5 release details bug fixes described in the <u>Resolved Issues</u> section as well as:

- Support for CMB2 (Control Management Blade)

New Features, Enhancements and Bug Fixes

This release resolves issues in previous releases relating to the following:

- No New Features or Enhancements, this is a bug fix release only, see <u>Resolved Issues</u> on page 4 for details.

Compatibility and Support

Encryption Key Management Drive Support

Encryption Option	HP LTO-4	IBM LTO-4	HP LTO-5	IBM LTO-5	HP LTO-6	IBM LTO-6
Application Managed Encryption	Supported	Supported	Supported	Supported	Supported	Supported
Q-EKM	Not Supported	Requires EKM License	Not Supported	Requires EKM License	Not Supported	Requires EKM License
SKM	Requires EKM License	Not Supported	Requires EKM License	Not Supported	Requires EKM License	Not Supported
RKM	Requires EKM License	Not Supported	Requires EKM License	Not Supported	Requires EKM License	Not Supported
KMIP Key Manager[1]	Requires EKM License	Not Supported	Requires EKM License	Not Supported	Requires EKM License	Not Supported

[1] - Only SafeNet Servers are supported KMIP configurations

Firmware Compatibility Matrix

The following table shows information on drive and auxiliary firmware compatibility with this release of Scalar i6000. 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.

Release: i10.5

Library Firmware: 656Q.GS01501

Library Management Console (LMC) Remote Client: 656G.GH01100[1]

Drive Types	Firmware Version[2]
IBM LTO-1 (SCSI)	5AU1
IBM LTO-1 (FC)	5AU1
IBM LTO-2 (SCSI)	A4N0
IBM LTO-2 (FC)	A4N0
IBM LTO-3 (FC) 2 Gb	93GM

Release: i10.5

Library Firmware: 656Q.GS01501

Library Management Console (LMC) Remote Client: 656G.GH01100[1]

Drive Types	Firmware Version[2]
IBM LTO-3 (FC) 4 Gb	93GM
IBM LTO-4 (FC) 4 Gb	C7QH
IBM LTO-5 (FC) 8 Gb	E4J3
IBM LTO-6 (FC) 8 Gb	E4J3
HP LTO-3 (FC) 2 Gb	L67Z
HP LTO-3 (FC) 4 Gb	M69Z
HP LTO-4 (FC) 4 Gb	H63Z
HP LTO-5 (FC) 8 Gb	I6CZ
HP LTO-6 (FC) 8 Gb	J3LZ

1. For information about installing the LMC remote client, contact Quantum Support.
2. Check with Quantum Support for the latest firmware.

Backup Software Compatibility

To view a list of backup software packages that have been tested for interoperability with the Scalar i6000, refer to the Quantum Software Compatibility Guide at http://www.quantum.com/swcompguide.aspx.

Resolved Issues

This release of Scalar i6000 firmware resolved the following issues:

Change Request Number	Service Request Number	Description	Solution
52208	3399794, 3400226, 3401568	A collection of issues were resolved to mitigate Kernal Oops.	Fixed.
41808	3402770	RSA key certificates cannot allow more than 1024 bit lengths when it is possible that 2048 bits are needed.	Fixed. Certificates can now accept certificates up to 2048 bits.

Change Request Number	Service Request Number	Description	Solution
52371	3390920, 3390922	Default periodic tape cleaning for EDLM drives fail and a tape alert is not generated.	Fixed.
52305	3361616	Customer using Active Vault is able to move media into a source EDLM slot.	Fixed. Media cannot be loaded into an EDLM slot.
52314		Security flaw in openSSL.	Fixed. Updated openSSL to version 1.0.1h.

Known Issues

This release of i6000 i10.5 firmware has the following known issues.

Change Request Number	Service Request Number	Description	Workaround
39145		When package upgrading libraries from i8.4.2 to i10.2, multiple drive sleds failed.	This is normal behavior for an upgrade from 8.4 to 10.2 to post drive sled operation tickets.
39015		If upgrading via a CF upgrade method from i10.0.3 to i10.2, the unit may issue power RAS tickets due to a software value synchronization issue between the RCU and the MCB versions of code.	1) Clear the ticket to either perform step 2A or 2B. 2A) Upgrade the library with a valid package. 2B) Wait for the system to come up. The MCB should find that RCU is down level and force a reinstall current (once that is done the system must be re-booted) 3) Resolve the power supply ticket should it re-occur. At this point the ticket will have a valid frame number and the power supply causing the problem will be correctly identified.
38509		Robot not enabled after rollback from i10.2 to i10.0.3 or i10.0.1.	Open and close the library door.
35605		Reinstall Current with the existing build caused device removed tickets.	These tickets automatically close themselves and can be safely ignored.

Change Request Number	Service Request Number	Description	Workaround
35364		Confusing error message received during EDLM copy operation: "Failed to copy media xxxx Unable to determine write protection."	Message is misleading. It means the tape is not registered with StorNext. Workaround: Register the tape with StorNext.
35110		The MCB FC port topology cannot be set to Loop Preferred if the switch or HBA FC port is set to Point to Point.	Do not set HBA/Switch=Point to Point and MCB FC=Loop Preferred.
33507		After restoring a saved library configuration that has the EDLM policy "Perform scans immediately when media is imported into the library" enabled, the library performs a scan on all tapes in the partitions with this policy enabled because the tapes appear as newly imported.	Working as designed. To keep this from happening, deselect the "Perform scans immediately when media is imported into the library" policy before saving the library configuration.
33400		EDLM media scans do not complete correctly or do not post correct results if a library inventory is performed at same time as the EDLM scan.	Take the EDLM library managed partition offline when performing a library inventory so that a UI-initiated inventory does not interfere with any EDLM media scans. If a media scan is in process, it will be paused while the EDLM library managed partition is offline, and will continue once the partition is brought online again.
33297		The library allows you to select tapes located in I/E stations for EDLM testing, but does not actually test them. Then it indicates the test ran, and displays the results as "suspect."	Do not select tapes located in I/E stations for EDLM testing.
32818		When generating an Advanced Reporting Tape Alert report graph, the serial number and barcode overwrite each other in the graphical display.	Select a smaller query set, or set the label to one item, for example, Media ID.
32816		FRU id "rollup report" graph labels are unreadable.	Reduce scope of query.
32229		When running Long Erase on HPUX NBU 7.0, the long erase fails with the error: system call failed. Other NBU 7.0 configurations successfully complete the Long Erase.	No workaround for HP UX.

Change Request Number	Service Request Number	Description	Workaround
30736		The Scalar i6000 will not send SNMP traps to DNS addresses that resolve to only an IPv6 address.	Do not use the DNS name for the SNMP trap registration. Resolve the DNS name to the actual IPv6 address in the network and use that IPv6 address for the SNMP trap registration under **Setup > Notification**.
30394		Control path failover function is not supported with Tivoli Storage Manager on an AIX configuration.	Fixed.

Documentation

The following documents are currently available for the Scalar i6000.

Document Number	Document Title
6-01244-xx Rev A	Scalar i6000 Addendum
6-66879-xx Rev A	Scalar i6000 User's Guide
6-66882-xx Rev A	Scalar i6000 Planning Guide
6-01847-xx Rev A	Quantum Encryption Key Manager User's Guide
6-01884-xx Rev A	Quantum Encryption Key Manager Release Notes
6-66532-xx Rev A	Scalar Key Manager Quick Start Guide
6-66531-xx Rev A	Scalar Key Manager User's Guide
6-66572-xx Rev A	Scalar Key Manager Safety Information by IBM
6-66535-xx Rev A	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:

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