Quantum

DXi4800
Release Notes 4.9.1

Product/Software Release Date   March 2024

Contents

Purpose of This Release

The DXi 4.9.1 Software release supports the backup systems.

ⓘ **Note:** This release was scanned for vulnerabilities using Nessus® for vulnerability risk management, as part of Quantum's Quality Assurance (QA) process. The release code build was validated as secure.

What's New in DXi 4.9.1?

This software release features the following new features and updates:

- **DXi4800 Hardware Updates -** DXi4800 now supports 16 TB hard drives, 16 GB DIMM memory modules, and a new second generation JBOD.

  ⚠ **WARNING: Systems currently using DXi Software versions earlier than 4.5.0.3 MUST UPGRADE TO 4.5.0.3 before upgrading to version 4.9.1** In general, Quantum strongly recommends upgrading to the latest version of DXi software before installing capacity upgrades, regardless of the capacity increment.

DXi Password Requirements

- **System Users -** Passwords must be between 8-64 characters, and must include at least one upper case (A-Z), one lowercase (a-z), one number (0-9), and one special character (` ~ ! @ # $ % ^ & * ( ) - _ = + [ ] { } \ | ; : ' " , . < > / ? space).

- **IPMI and iDRAC Users -** Service login passwords must be between 8-20 characters, and must include at least one upper case (A-Z), one lowercase (a-z), one number (0-9), and one special character (` ~ ! @ # $ % ^ & * ( ) - _ = + [ ] { } \ | ; : ' " , . < > / ? space).

Product Compatibility List

The following table provides information about DXi hardware compatibility with DXi 4.9.1 Software.

Component	Description
DXi4800	• 1 Node • 1 to 2 RAID controller cards. • 0 to 4 Expansion modules (JBODs) • 1 x 1 GbE Ethernet ports • (Optional) 2 x 10 GbE Ethernet ports • (Optional) Up to 8 x 25 GbE Ethernet ports (SFP28 optical or DAC Copper) • (Optional) Up to 16 x 10 GbE SFP Ethernet ports or 16 x 10GbE Base-T Ethernet ports. • (Optional) Up to 16 x 16 Gb Fibre Channel ports (for VTL or PTT) • (Optional) Up to 8 x 100 GbE Ethernet ports (Optical or DAC Copper) • 8 TB - 315 TB usable capacity

Resolved Issues

The following issues were resolved in DXi 4.9.1 Software.

Issue Number	Description	Customer Number
	DXi4800 now supports 16 TB hard drives, 16 GB DIMM memory modules, and a new second generation JBOD.	

Known Issues

DXi 4.9.1 Software has the following known issues:

Issue Number	Description
DXE-25942	DART GUI banner does not display full firmware version. DART (DXi Advanced Reporting) GUI does not contain enough space to display the new full firmware version. The firmware version has changed due to use of Git code build methods. The DXi code version can still be obtained from the DART GUI.
DXE-20388	Large DXi with extremely busy non-dedup Shares can cause Health Check and Garbage Collection to slow and use excess memory. Workaround: use dedup enabled shares. (DXi is not meant to be a primary storage device.)
DXE-26006	GUI: Can not return to home page from Disk Usage page. Customers using DXi4800 and ingesting data may be unable to navigate from the *GUI Status > Disk Usage* page to the GUI Home page. Workaround: Navigate to another GUI page and then navigate to the Home page.
DXE-26043	Netserver is not working properly. Usually this function is used in conjunction with Service to test the network connection from one DXi to another. Netserver is not used for any data storage functionality.
DXE-26082	Status page showed network ports p5p3 and p5p4 down with attention mode after successfully upgrading from 4.6.0-build1 to 4.8.0-build8. There is no functional impact to the DXi. Quantum Service can remove the attention after upgrade.
DXE-26091	CLI: Secure Email: CLI (Command Line Interface) command needs improvement. Parameters and values names are not consistent. No functionality impact. Some inconsistencies and improvements that could be made in a future release.

Issue Number	Description
DXE-27624	Upon upgrade to 4.9.1, a V5000 maybe appear to hang and never reach the "Normal" state. In this case, the user needs to log in to the V5000 desktop and respond to the *Select Hardware Profile* dialog. It is recommended to select the "Small" profile as it best matches V5000s created before 4.9.1.
DXE-27822	Drive status has strange text, but color shows proper state for HDDs on the new Broadcom RAID HBA. Confusing text. The color of the component is correct and the top level component state is correct.

Documentation

For the latest DXi4800 documentation using DXi 4.9.1 software, see the following DXi Documentation Centers:

- **DXi4800 Documentation Center:** www.quantum.com/DXi4800Docs

Supported Backup Applications

For the current list of backup applications supported for use with DXi 4.9.1 Software:

1. Click on https://www.quantum.com/swcompguide.aspx

   The **Support > Software Compatibility With Tape Libraries** page appears.

2. In the **Compatibility Guide** list, select **Software / Disk-Based Backup Systems.**

3. (Optional) Select your system and software from the **Storage Device** and **Application Software** lists.

   ℹ **Note:** If the storage device and application software are not selected, a full list of all available devices and software will appear and requires a minute or two to populate. Select your system and software for a faster-appearing, shorter list.

4. Click **Submit.**

ℹ **Note:** Contact the backup application vendor for the latest software revision information.

DXi Additional Notes

Email Reports

Quantum recommends enabling **Email Reports** after upgrading to DXi 4.9.1 Software (if not already enabled). When enabled, **Email Reports** periodically sends system configuration and status information to Quantum, including any software upgrades you have installed using the **Software Upgrade Utility.** Quantum Support can use this information to provide a better support experience in the future.

To configure Email Reports:

1. Make sure a valid outgoing e-mail server is specified on the **Configuration > Notifications > Email > Server** page.

2. (Optional) Specify any additional recipients to receive the reports on the **Configuration > Notifications > Email > Email Reports > Recipients** page.

3. Make sure a weekly **Email Reports** schedule is configured on the **Configuration > Scheduler** page. Configure two weekly recurring events: one for **Status** reports and one for **Configuration** reports.

Contacting Quantum

More information about this product is available on the Service and Support website at https://www.quantum.com/en/service-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 the Quantum Customer Support Center:

Region	Support Contact
North America	1-800-284-5101 (toll free) +1-720-249-5700
EMEA	+800-7826-8888 (toll free) +49 6131 324 185
Asia Pacific	+800-7826-8887 (toll free) +603-7953-3010
For worldwide support:	
https://www.quantum.com/en/company/contact-us/	