



Release Notes

Product	RDX 8000 version 1.33 DATASTOR Shield version 7.0.85.1 NDX NAS 1U version 1.02 12/16/2011
Operating Systems (Remote Web Client)	Windows Storage Server Workgroup 2008 R2
Date	September 2012

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Purpose of This Release

This release provides the enhancements, resolved issues and know issues for the following product releases:

- [RDX 8000 Version 1.33](#)
- [Quantum DATASTOR Shield version 7.0.85.1](#)
- [NDX NAS 1U Version 1.02](#)

RDX 8000 Version 1.33

The following are the enhancements, resolved issues, and know issues associated with this release of the product.

Enhancements

For this release of RDX 8000, the following enhancements are included.

- Second Ethernet port is enabled for Adaptive Load Balancing and Active Backup
- Improved system performance via enhanced read performance and ability to configure jumbo frames
- Linux CentOS is supported in JBOD mode and VTL mode.

Resolved Issues

For this release of RDX 8000, the following issues were resolved.

- Format cartridge for NTFS in JBOD mode via Windows Explorer
- Static IP address would not be auto-assigned for a non-DHCP network enabled connection after a DHCP-enabled network connection.

Know Issues

This release of RDX 8000 contains the following known issues:

Change Request Number	Description	Workaround
35468	NDX NAS servers running IE8 or IE9 cannot log into the RDX 8000 GUI.	Add the RDX to the IE Trusted Sites list and restart your Web browser, or disable the Enhanced Security Configuration (ESC) in Internet Explorer. Note: This issue is not seen in Mozilla Firefox or Google Chrome.
34897	In JBOD mode the RDX 8000 GUI monitor/cartridges remaining capacity field is blank.	To confirm remaining capacity, use My Computer or in Windows Server use the Start button and choose My Computer to navigate to the properties of the drive.
34224	If using CA ARCServ and power is lost during a backup, ARCServ thinks the cartridge is ejected.	When using the RDX 8000 in VTL mode with CA Arcserv - In CA Arcserv must check the box in library properties "Library is VTL"

Quantum DATASTOR Shield version 7.0.85.1

The following are the enhancements, resolved issues, and know issues associated with this release of the product.

Enhancements

For this release of DATASTOR Shield, the following enhancements are included.

- **Vaulting**
 - Added a new 'vault' data storage format designed for fast streaming of data to and from tape devices and cloud accounts.
- **AES 256 Encryption**
 - Automatic encryption of data before transfer to cloud and optionally to tape.
- **Configure Vaulting wizard**
 - New Configure Vaulting wizard for setting cache drive, encryption passphrase and vault media Owner ID.
- **Store Vaulting Task**
 - Allow users to copy deduplicated Store data to tape and/or cloud for long-term archiving with scheduled tasks.
- **Cloud Storage**
 - Integrated support for Amazon S3 cloud storage.
 - Add and manage cloud accounts.
 - Control bandwidth usage on cloud uploads.
 - Control bandwidth usage on cloud downloads.
 - Monitor real-time upload/download activity with graphical display and table showing statistics including description, time remaining, percent complete, transfer rate, size and status.
 - View cloud account usage statistics.
 - View individual cloud vault usage statistics.
- **Tape device support**
 - Add Tape Device' wizard for configuring SCSI/SAS attached tape libraries for use by the software.
 - Integrated support for library Remote Management Consoles accessible via IP addresses.
 - Built-in support for volume management: assign/unassign, erase, identify.
 - View individual volume statistics including name, status, capacity, free space, assigned to, and location.
 - View individual tape vault usage statistics.
 - Support for quick library inventory through Refresh actions.

- **Export and Import Settings Tasks**
 - Support for Archive Manager System disaster recovery.
 - Scheduled task for exporting Archive Manager settings gathered into a zip file and stored to a folder or cloud account.
 - Wizard for importing settings back into an Archive Manager system.
- **Enhanced Deduplication**
 - Innovative patent-pending technology for improving deduplication ratios on large dynamic files like Exchange and SQL databases, substantially reducing backup times.
- **Documentation**
 - Updated Help documentation to include new features.

Resolved Issues

For this release of DATASTOR Shield, the following issues were resolved.

- Field Issue 138 - Unable to explore a point-in-time on a system with locked down internet connection settings through group policy

Known Issues

For this release of DATASTOR Shield, there are no known issues.

Installation Instructions

Quantum strongly recommends that you back up all files before upgrading software or firmware.

To install Quantum DATASTOR Shield Version 7.0.85.1, perform the following procedure.

- 1 Download Quantum DATASTOR Shield Version 7.0.85.1 to a folder on your hard drive, and make note of the location of the folder.
- 2 Open the folder and double-click 'Quantum_DATASTOR_Shield_7_0_85_1.exe' to begin the installation/upgrade.
- 3 Follow the installation/upgrade wizard prompts to completion.

System Requirements

The following table provides the installation requirements for this release of DATASTOR Shield.

Component	Requirement	Recommendation
Operating System	Windows 2008	Windows Server 2008 R2
Processor	Minimum: 1 GHz (x86 processor) or 1.4 GHz (x64 processor)	2 gigahertz (Ghz) or faster
Disk space for installation	Install drive: 60 MB	N/A
Windows Installer	3.0	N/A

NDX NAS 1U Version 1.02

Enhancements

For this release of NDX NAS, there are no enhancements.

Resolved Issues

For this release of NDX NAS 1U version 1.02 12/16/2011, the following issue was resolved.

An improper shut down of the server (for example, pulling the plug during boot) can result in the drives being re-initialized. During drive initialization the drive LEDs flash red/green. Once initialized, drives no longer flash red. To prevent this condition from occurring, always use Microsoft Windows proper shut-down procedure. If re-initialization occurs, LED activity is normal.

Note: Re-initialization recovers the existing RAID—no data loss is seen.

Know Issues

For this release of NDX NAS, there are no known issues.

Hardware Component List

This information for the following hardware is current as of the publication date of these release notes.

- [Table 1 NDX NAS - Fixed Disk](#)
- [Table 2 RDX 8000 Removable](#)

Table 1 NDX NAS - Fixed Disk

Model Number	TLA Part-Number	UPC	Description
DNADS-CTTQ-008A	9-02293-01	7 68268 03400 6	Quantum NDX NAS Primary Storage System, Tower, 8TB (raw), Windows Storage Server, Gigabit Ethernet
DNADS-CT1Q-008A	9-02294-01	7 68268 03401 3	Quantum NDX NAS Primary Storage System, 1U Rack, 8TB (raw), Windows Storage Server, Gigabit Ethernet

Model Number	TLA Part-Number	UPC	Description
DNADS-CSTQ-008A	9-02296-01	7 68268 03403 7	Quantum NDX NAS Data Protection Storage System, Tower, DATASTOR Shield Deduplication Software with one server and 10 client licenses,8TB (raw), Gigabit Ethernet
DNADS-CS1Q-008A	9-02297-01	7 68268 03404 4	Quantum NDX NAS Data Protection Storage System, 1U Rack, DATASTOR Shield Deduplication Software with one server and 10 client licenses, 8TB (raw), Gigabit Ethernet
DNADS-CS1Q-008B	9-02298-01	7 68268 03405 1	Quantum NDX-8d NAS Data Protection Storage System, 1U Rack, DATASTOR Shield Deduplication Software with Unlimited License Pack (Includes one Advanced Feature Pack, Unlimited Workstations and Servers), 8TB (raw), Gigabit Ethernet Includes four 2TB 7200RPM enterprise hard disk drives, Enterprise Protection Server Manager, and Unlimited Workstations and Servers License
DNADS-CT1Q-012A	9-02705-01	7 68268 03579 9	Quantum NDX-12 NAS Primary Storage System, 1U Rack, 12TB (raw), Windows Storage Server, Gigabit Ethernet Includes four 3TB 7200RPM Enterprise hard disk drives.
DNADS-CS1Q-012A	9-02708-01	7 68268 03577 5	Quantum NDX-12d NAS Data Protection Storage System, 1U Rack, DATASTOR Shield Deduplication Software with one server and 10 client licenses, 12TB (raw), Gigabit Ethernet Includes four 3TB 7200RPM enterprise hard disk drives. Order DNADS-ALCL-00xA for additional client licenses and DNADS-ALSL-00xA for additional server licenses.
DNADS-CS1Q-012B	9-02707-01	7 68268 03578 2	Quantum NDX-12d NAS Data Protection Storage System, 1U Rack, DATASTOR Shield Deduplication Software with Unlimited License Pack (Includes one Advanced Feature Pack, Unlimited Workstations and Servers) , 12TB (raw), Gigabit Ethernet Includes four 3TB 7200RPM enterprise hard disk drives, Enterprise Protection Server Manager, and Unlimited Workstations and Servers License

Table 2 RDX 8000 Removable

Model Number	TLA Part-Number	UPC	Description
TRL8K-C2BQ-A0BA	9-02304-01	7 68268 03411 2	Quantum RDX 8000 Removable Disk Library, eight slots, Backup Exec, 2U, Gigabit Ethernet
TRL8K-C2DQ-A0BA	9-02305-01	7 68268 03412 9	Quantum RDX 8000 Removable Disk Library Data Protection Storage, eight slots, DATASTOR Deduplication Software with one server and 10 client licenses, 2U, Gigabit Ethernet
TRL8K-C2BQ-MGBA	9-02306-01	7 68268 03413 6	Quantum RDX 8000 Removable Disk Library, eight slots, 8TB, Backup Exec QuickStart, 2U, Gigabit Ethernet
TRL8K-C2DQ-MGBA	9-02307-01	7 68268 03414 3	Quantum RDX 8000 Removable Disk Library Data Protection Storage, eight slots, 8TB, DATASTOR Deduplication Software with one server and 10 client licenses, 2U, Gigabit Ethernet

Documentation

The following documents are currently available for this release.

Document Number	Document Title
6-67388	RDX 8000 Quick Start Guide
6-67387	RDX 8000 User Guide
6-67520	DATASTOR Shield Quick Start Guide
6-67458	DATASTOR Shield User Guide
6-67559	DATASTOR Shield System Recovery
6-67458	DATASTOR Shield Path to Tape Quick Start Guide
6-67522	DATASTOR Shield Path to Cloud Quick Start Guide
6-67519	NDX NAS Quick Start Guide
6-67444	NDX NAS Tower User Guide
6-67445	NDX NAS 1U Rack User Guide

Contacting Quantum

More information about this product is available on the Service and Support Web site at www.quantum.com/support. The Service and Support Web site 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:	Toll Free: 1-800-284-5101 Toll: +1-720-249-5700
Europe, the Middle East, and Africa (EMEA)	Toll Free: +800-7826-8888 Toll: +49-6131-3241-1164
Asia and Pacific (APAC)	Toll Free: +800-7826-8887 Toll: +603-7953-3010
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

