

Contents

Using Quantum DATASTOR Shield Deduplication Software.....	2
Minimum System Requirements	2
Prerequisites for IE 9 Users	5
Activating DATASTOR Shield	5
Checking for Updates	11
Setting Up Backups.....	20
Create a Location for Backup Data.....	21
Add Remote Computers for Backup....	23
Create Protection Plan	24
Installing DATASTOR for RDX 8000 Users	29
Prerequisites	29
Installing DATASTOR Shield Software..	29
Helpful Links	34

Quantum DATASTOR Shield™ Quick Start Guide

This quick start guide provides basic installation and configuration instructions for the DATASTOR Shield software.

This instruction uses the following conventions:

Note: Notes emphasize important information related to the main topic.

Caution: Cautions indicate potential hazards to equipment and are included to prevent damage to equipment.

WARNING: Warnings indicate potential hazards to personal safety and are included to prevent injury.

Using Quantum DATASTOR Shield Deduplication Software

If you purchased an NDX NAS Appliance with a full version of Quantum DATASTOR Shield, it includes a certificate containing:

- 1 Manager key
- 1 Server key
- One 10 pack remote desktop key

Other units include a trial copy of DATASTOR Shield Deduplication software only. No certificate is included. If you choose to activate a trial copy, trial keys are provided via e-mail.

Note: Customers who purchased DATASTOR Shield software as part of an RDX 8000 bundle, need to first install the DATASTOR Shield software on a Microsoft Windows Server 2008, 2GHz Processor, and 4GB RAM or better server. Refer to [Installing DATASTOR for RDX 8000 Users](#) on page 29.

Minimum System Requirements

For Servers

Component	Requirement	Recommendation
Operating System	Windows Server 2008	Windows Server 2008 R2
Processor	1 GHz (x86 processor)	2 GHz or faster
Memory	512 MB (megabytes) RAM	4 GB (gigabytes) or more RAM
Disk Space for installation Windows Installer	Windows XP, Vista and 7 (32- and 64-bit)	Single 1GHz CPU or better

For Protected Clients

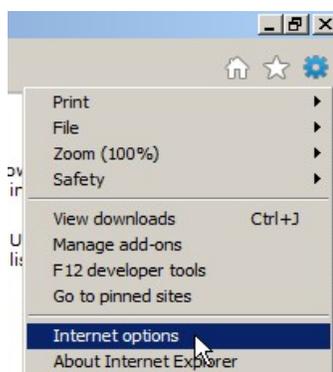
Server Type	Operating Systems	Processor Speed	Memory
Protected Servers	Windows Server 2008 (32- and 64-bit)	Single 2GHz CPU or better	2GB RAM
Protected Desktop/Laptops	Windows XP, Vista and 7 (32- and 64-bit)	Single 1GHz CPU or better	1GB RAM

Prerequisites for IE 9 Users

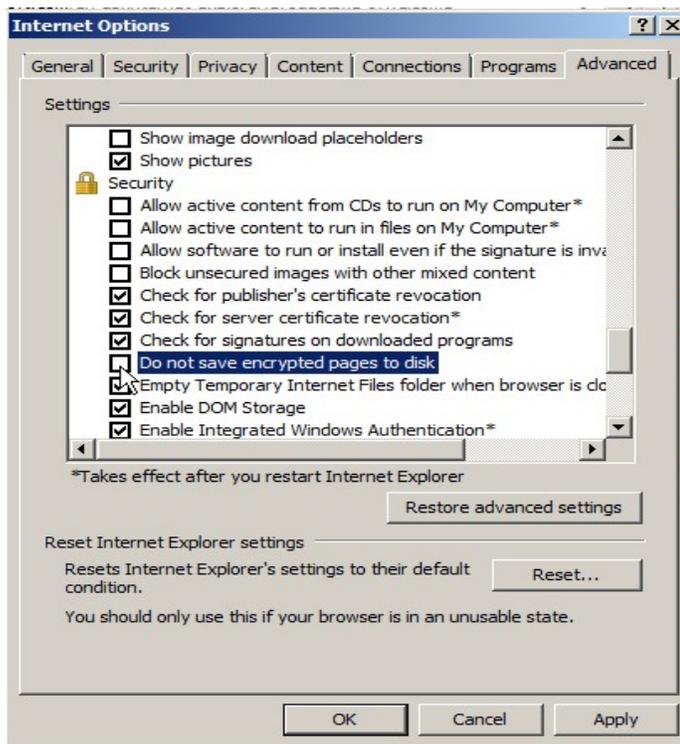
Internet Explorer 9 contains a known issue related to HTTPs downloads, like those required to update your DATASTOR software. If Internet Explorer 9 is installed on your system, do the following before opening DATASTOR Shield.

Note: Before beginning the software installation, check for Windows updates.

- 1 Open Microsoft Internet Explorer 9.
- 2 Choose the tools icon in the top right corner of the screen. Select **Internet Options**.



- 3 Go to the Advanced tab, scroll down to Security, and uncheck **Do not save encrypted pages to disk**.



4 Click OK.

Setting Up a User Account in a Domain or Workgroup

Windows denies or grants access to its resources by means of user accounts. This section describes best practices when running DATASTOR Shield in a domain or workgroup.

Running DATASTOR Shield in a Domain

When running DATASTOR Shield in a domain, Quantum suggests that you do the following:

- 1 Create a domain user account solely for use by this software.
- 2 Add the account to the Domain Admin Group. This will give the account access to required resources.
- 3 User accounts are used to run scheduled tasks within the software. Specify this account when creating protection plans and store tasks.

Running DATASTOR Shield in a Workgroup

If the Archive Manager server or the remote computer is in a workgroup, not a domain, Quantum suggests that you do the following:

- 1 Create a matching user account and password for the Archive Manager server and each remote computer. This user account must be a member of the local Administrators group.
- 2 Log on to the Archive Manager server with this account.
- 3 When creating remote computer protection plans, specify the account for the remote computer in the Run as field of the scheduled task. This configuration will allow credentials to pass through to the other computer for access to necessary resources.

Note: To best secure your data, do not use administrator accounts with blank passwords.

Changing the Name of the Server

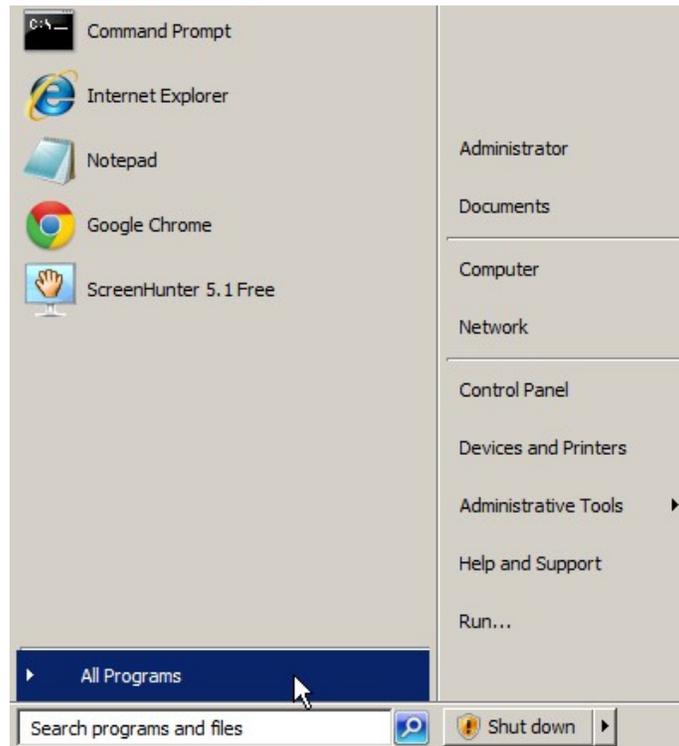
Changing the name of the server on which DATASTOR Shield Software is installed requires reactivation. If the name of the server on which the DATASTOR Shield software is installed is changed after the initial activation of the license keys, at the next login, the software will require activation again.

If this happens, please contact Quantum Support (you will see a warning notice directing you to contact support for an additional activation).

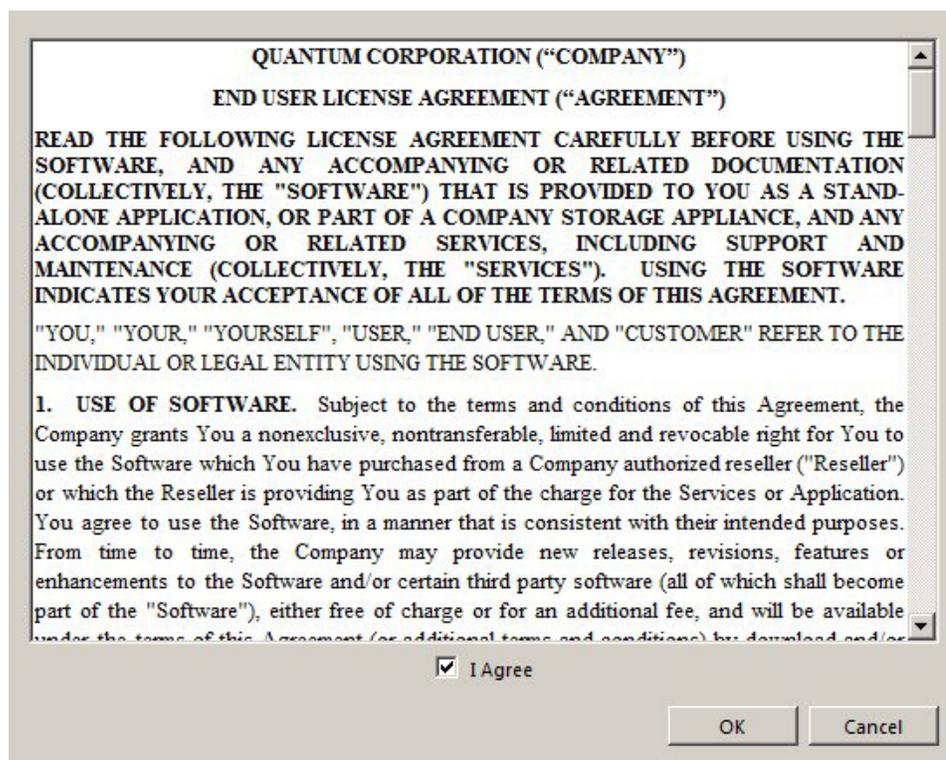
Activating DATASTOR Shield

Note: Internet access is required to activate this software.

- 1 Click the Windows **Start** Button in the bottom left of your screen.



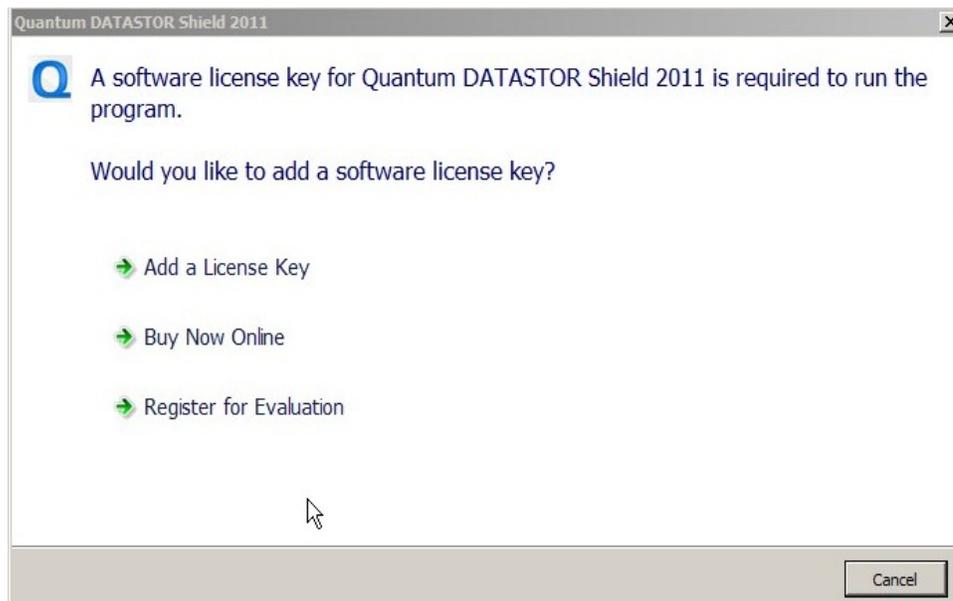
- 2 Choose **All Programs**.
- 3 Choose **Quantum**.
- 4 Open **DATASTOR Shield**.
The License Agreement displays.



- 5 Click **I agree**, and then click **OK**.
- 6 Choose **Yes** to activate.

Note: You may be prompted to update the software before entering license keys. If so, then refer to [Checking for Updates](#) on page 11, and return here when done.

The following screen displays.



7 Choose one of the following:

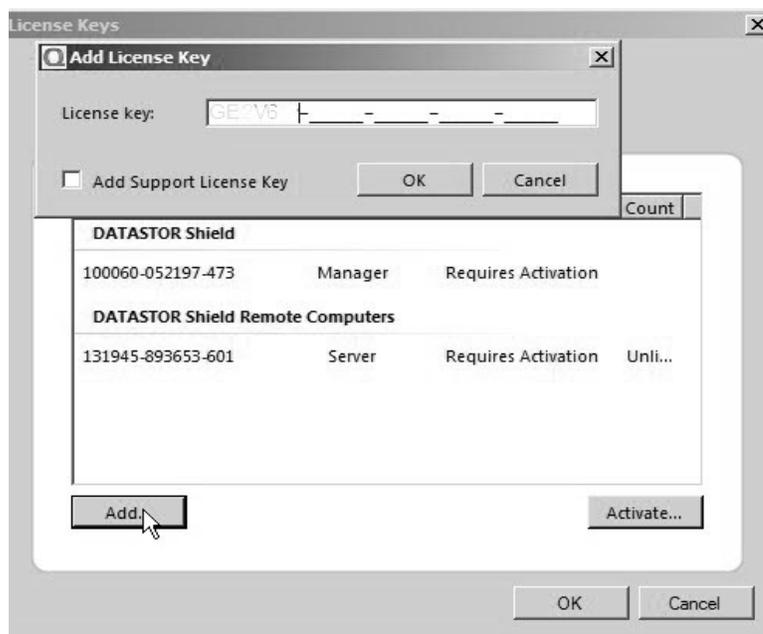
- [Add a License Key](#)
- [Register for Evaluation](#)

Add a License Key

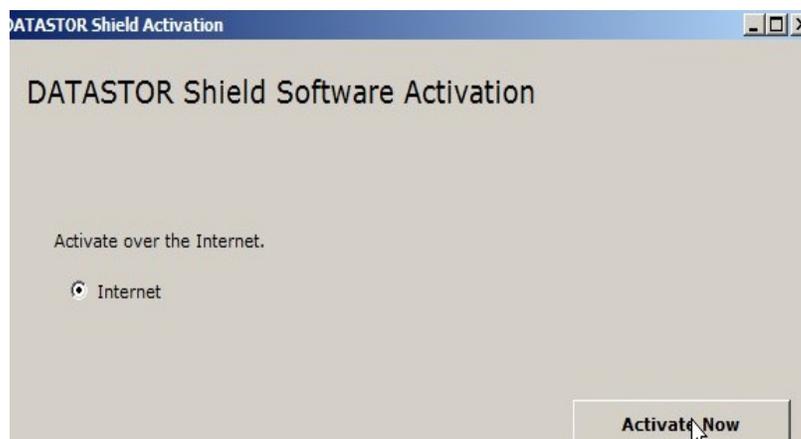
1 Click **Add a License Key**.

The NDX-xd and RDX 8000 purchased with DATASTOR Shield includes a License Key Certificate with the license key printed on it.

The License Key screen displays.



- 2 Type your license key, and click **OK**.
The Activation screen displays.



- 3 To activate the key, click **Activate Now**.
The license is activated, and you are returned to the License Keys screen.
- 4 To add another license, click **Add** again and repeat the process for your other keys.
- 5 If you have a Warranty Extension Key, on the Add License Key screen click the check box for **Add Support License Key**.

Note: Warranty/Support license keys have more characters.

Register for Evaluation

To start a 30 day trial version, do the following:

1 Choose **Register for Evaluation**.

The Registration screen displays.

Register below for your free 30-day Eval keys and get connected with a product specialist.

Quantum DATASTOR Shield™ backup products will outperform other solutions due to the massive distributed processing rooted in our experience with high performance computing.

"Tape restores that took 6 hours are now done in 5 minutes."
- Nathan Belcher, Director of IT, FirstOnsite

First Name *

Last Name *

Company *

eMail *

Phone *

Message or Inquiry

* required fields

You're evaluating:
**Quantum DATASTOR
Shield™ Data
Protection Server**

We'll never sell your info.
We promise.

2 Type required information and click **Submit**.

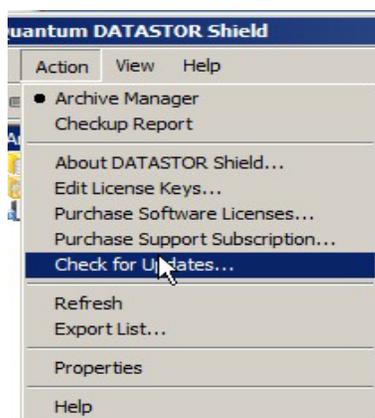
License keys will be e-mailed to the address provided.

Once you receive your license, follow the steps in [Add a License Key](#) above to activate your evaluation version license keys.

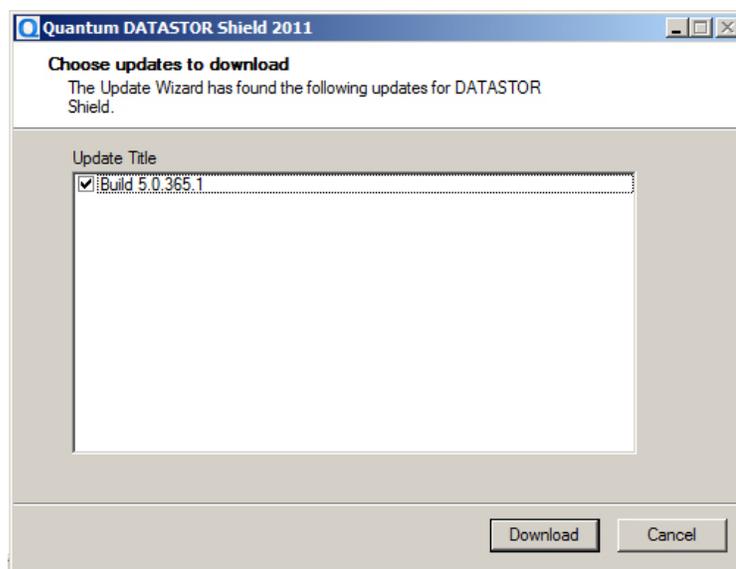
Checking for Updates

After installing your license keys, DATASTOR Shield may prompt you if it detects an update is available. If not prompted, check for updates manually.

- 1 From the top menu, select **Action > Check for Updates**.

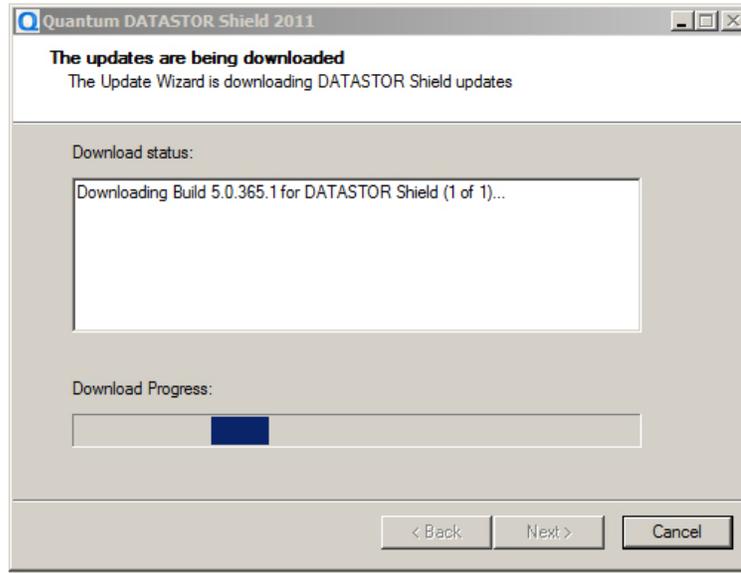


The Updates Download dialog box displays.

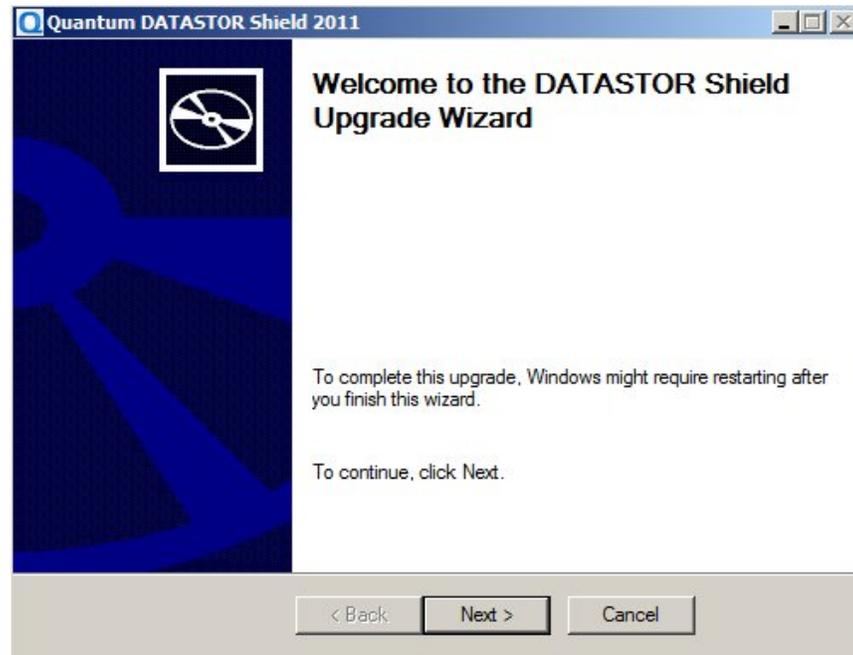


- 2 Click **Download**.

The Download Progress screen displays.

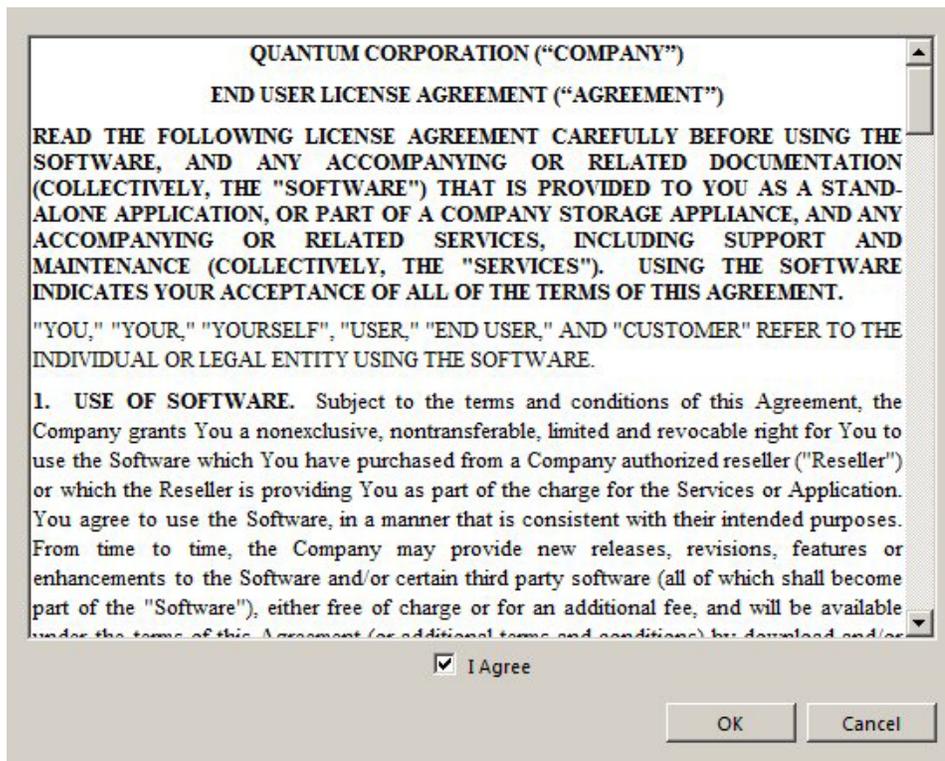


- 3 Click **Install** to install the update/
The Upgrade Wizard screen displays.



- 4 Click **Next** to continue.

The License Agreement displays.



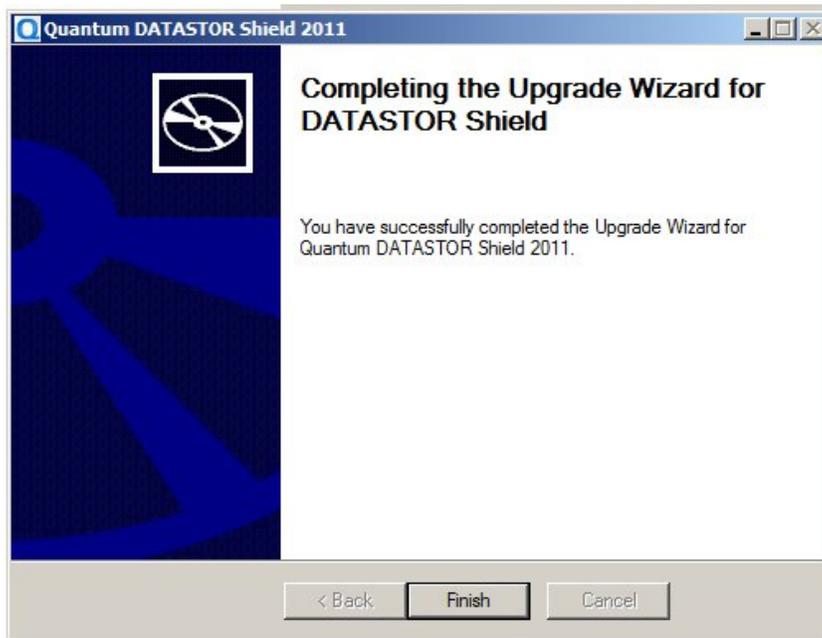
5 Click I agree, and then click OK.

The Completing DATASTOR Shield Update screen displays.



6 Click Next.

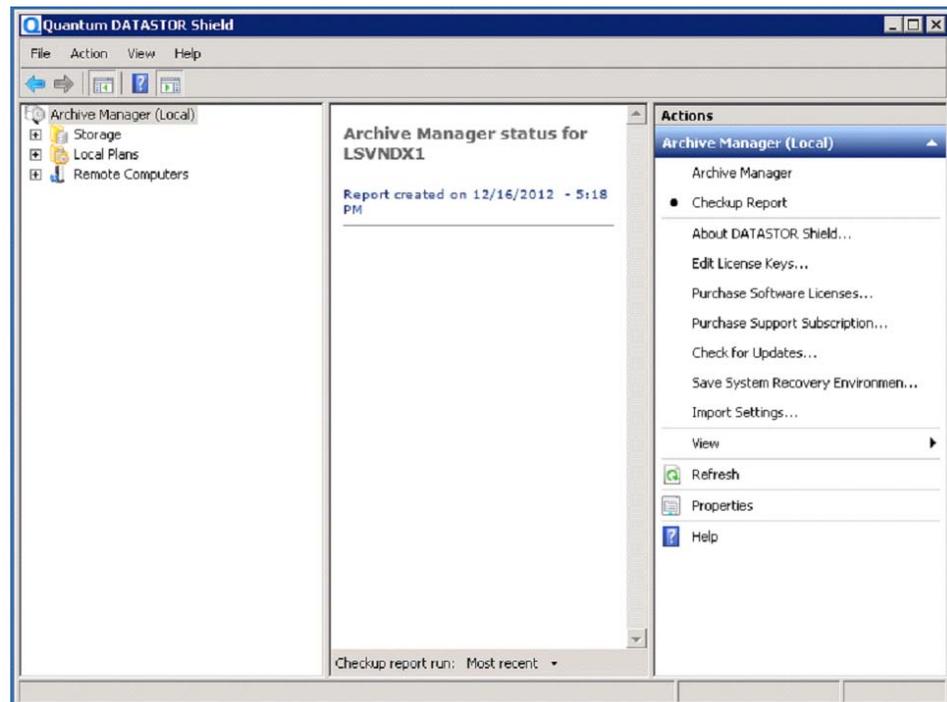
Once upgrade is completed, the following screen displays.



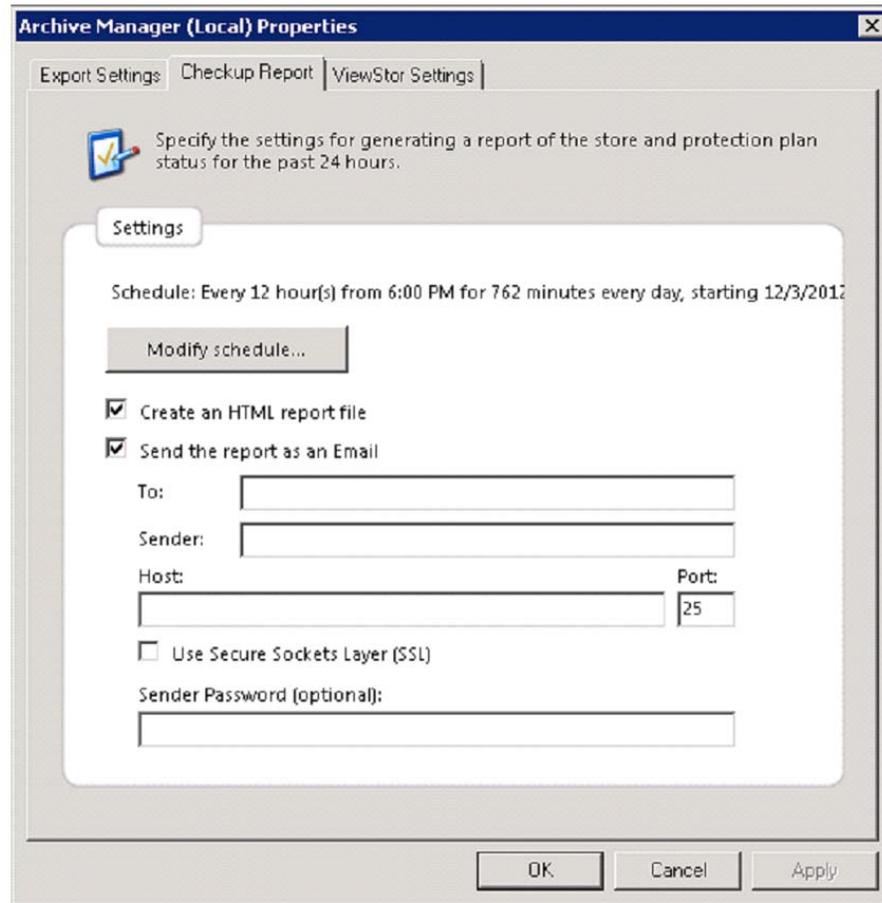
7 Click **Finish**.

Schedule the Checkup Report

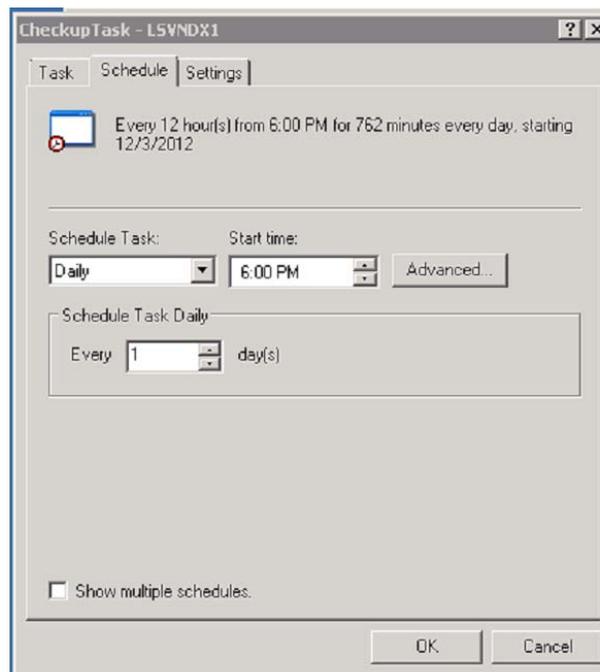
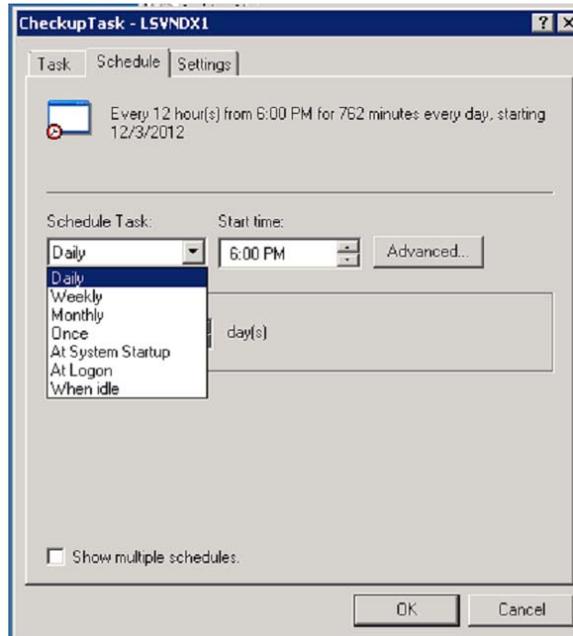
It is important to set up a schedule for the Checkup Report. Setup is accessed by selecting the Properties option under the Archive Manager.



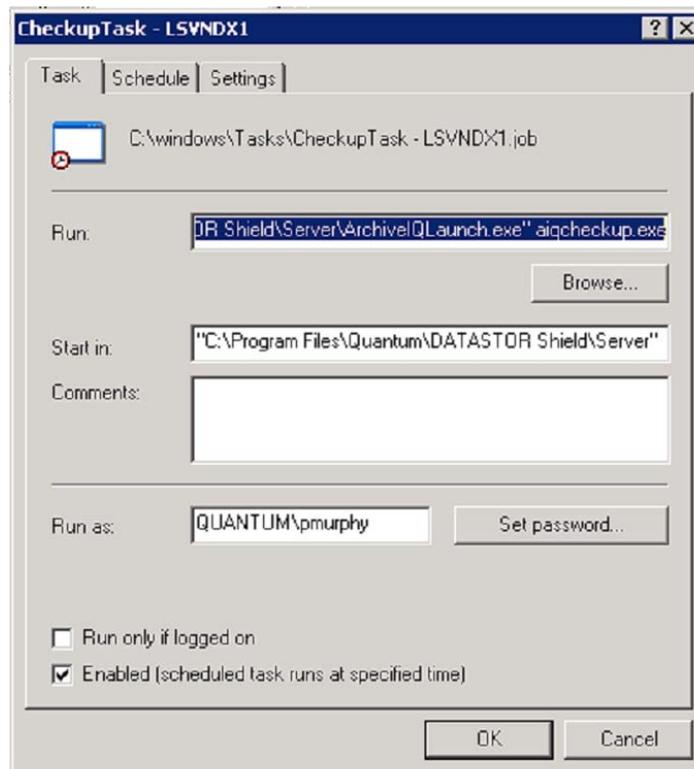
- 1 Enter the email address the report should be sent to.
- 2 Enter the email address of the sender.
- 3 Enter the Host email server's name.
- 4 Select **Modify schedule**.



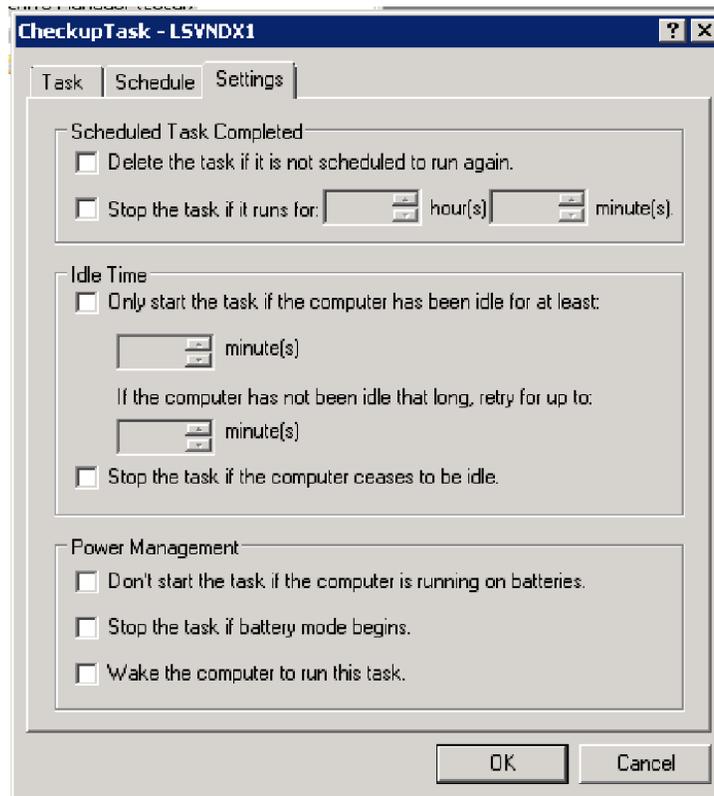
5 Schedule the task.



6 The fields for **Run** and **Start in** will automatically populate after the schedule is setup.



7 Select additional settings that are appropriate for your installation.



8 Finally enter your administrator password to save the scheduled task.



Schedule the Export Settings Task

The **Archive Manager** system can automatically create restore points of its configuration files. Archives protected by Store Vaulting Tasks can also be recovered if the vault is available. This section shows how to save and restore the configuration files.

Usage Scenario

When setting up your Archive Manager computer, Quantum suggests that you schedule an **Export Settings Task** to archive your settings to a folder location on a removable disk, such as an RDX, or to cloud storage. This enables you to quickly and easily restore your system and data if your Archive Manager computer dies.

Schedule the Export Settings Task

To configure the system to save configuration settings, open the **Archive Manager Properties** page and choose the **Export Settings** tab.

This feature runs as a scheduled task, called "ExportSettingsTask - <computername>." As with Store Tasks and Protection Plans, you can set a schedule for automatically running this task. You can also run the task manually from the Windows Task Scheduler.

To create a new task, select **Modify Schedule** and then click **New** on the **Schedule** tab to create the task.

The settings are exported into a compressed file, which you can use to restore them later. Quantum suggests that you save your settings either to a folder on a removable disk, such as an RDX, or, if you have set up a Cloud Account, to that account.

Choose where to save the export file, then specify a number of versions to keep. Oldest versions beyond the number to keep will be deleted. The export file name contains a timestamp indicating when the export was performed, and the computer name of the system that was exported, as follows:

<computer name>.<timestamp>.export.zip.

Note: When you save to a Cloud Account, the exported file will be saved to the default data center specified in the account's Properties page.

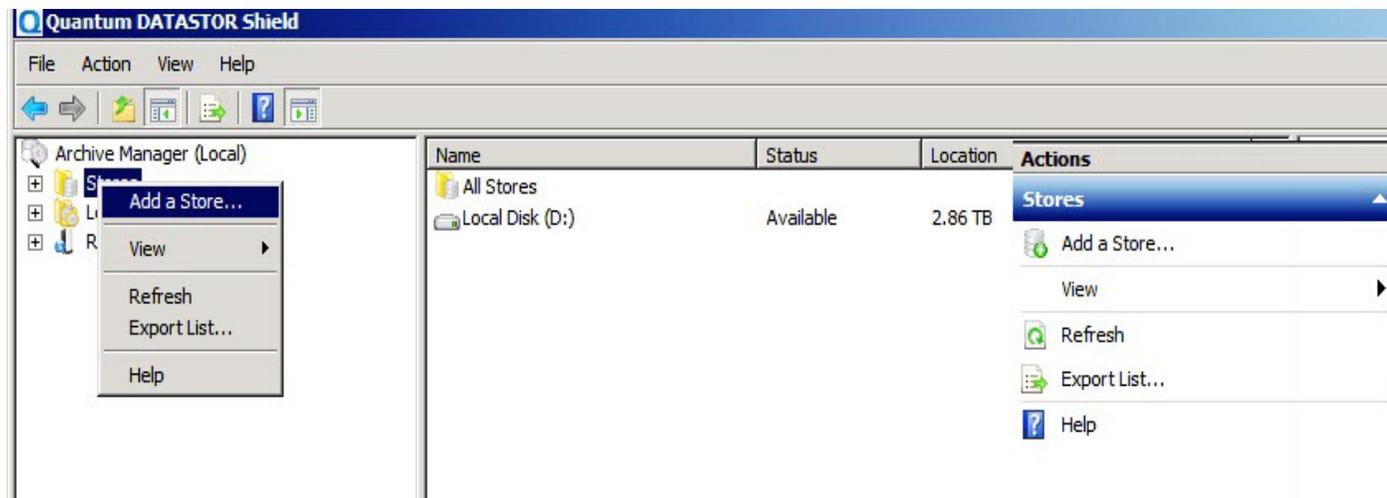
Setting Up Backups

To start backups, perform the following three tasks:

- [Create a Location for Backup Data](#)
- [Add Remote Computers for Backup](#)
- [Create Protection Plan](#)

Create a Location for Backup Data

- 1 Highlight **Store** in the pane to the left.



- 2 Right click and choose **Add a Store**.
The Add Store Wizard screen displays.



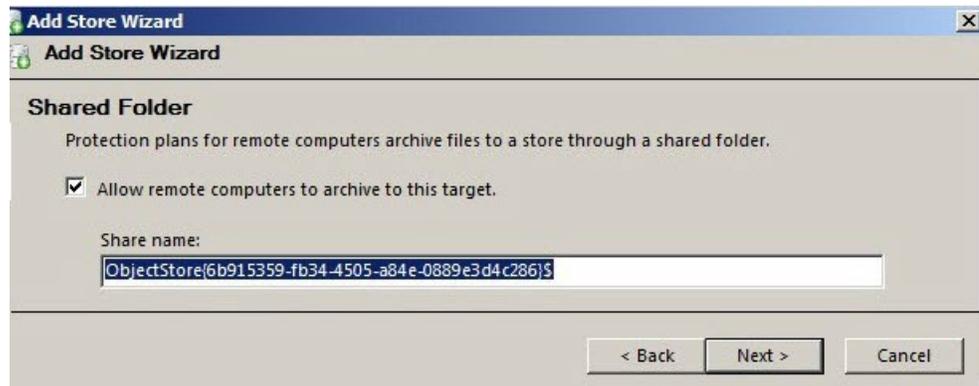
- 3 Choose the D: disk to create a new store, and click **Next**.

Caution: Due to the limited size of the C: drive, Quantum strongly recommends not creating a store on the C: drive.

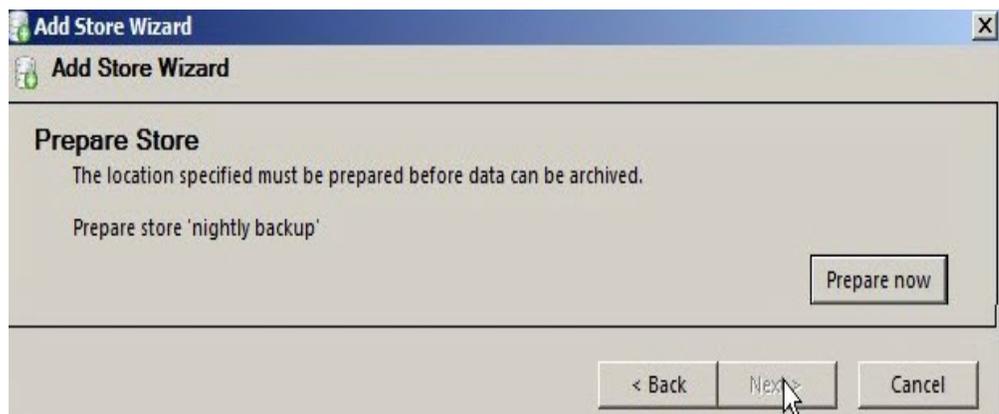
The Storage Name screen displays.



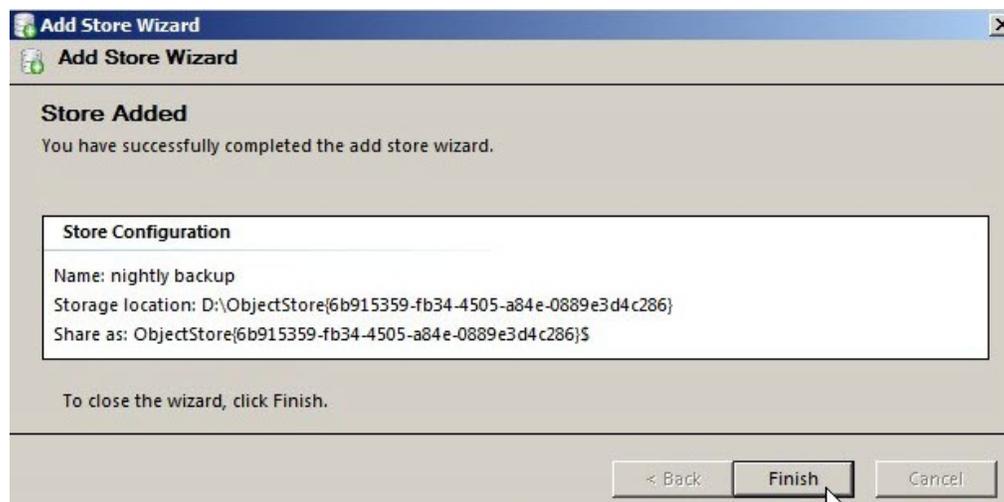
- 4 Click **Add New**.
- 5 Type a name for this Store, and click **OK**.
The Shared Folder screen displays.



- 6 Change the Share Name or keep the default and click **Next**.
The Prepare Store screen displays.



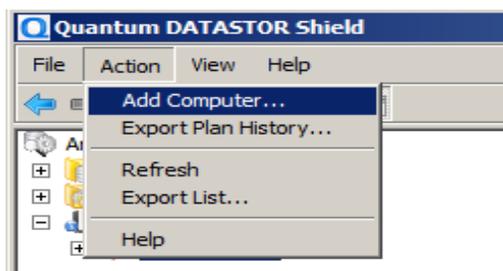
- 7 Click the **Prepare Now** button, and click **Next** to the store added screen. The Store Added screen displays.



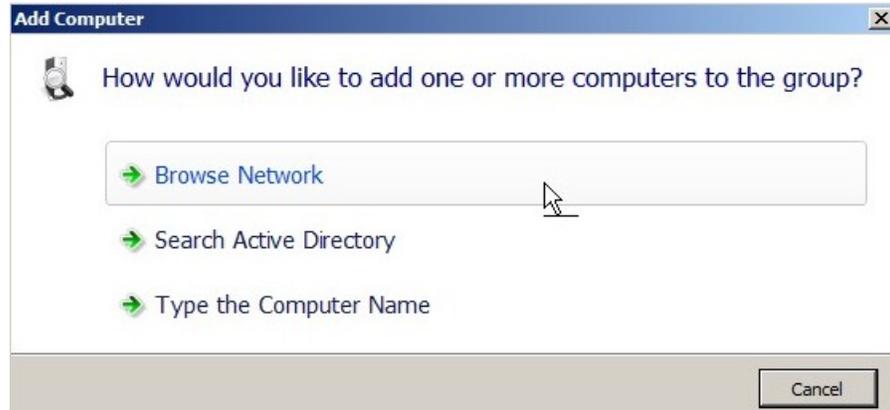
- 8 Click **Finish**.

Add Remote Computers for Backup

- 1 Select **Remote Computers** in the pane to the left.
- 2 Select the desired computer group, for example, All Computers.
- 3 Select the **Add Computer** action.



A screen displays where you can specify the computer by either browsing the network, searching the Active Directory if applicable, or typing in the computer name.



- 4 Select **Browse Network**, **Search Active Directory**, or **Type the Computer Name** to add the remote computer.

The added computer displays under remote computers.

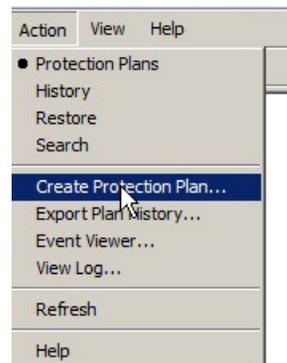


Create Protection Plan

- 1 Select the remote computer. You may need to enter the user name and password.

Note: It may take a few moments for the screen to load.

- 2 From the top menu, select **Actions > Create A Protection Plan**.



Note: Plans that are set up to protect only a single file will issue warnings for subprocesses. The warnings result from high performance mode's use of multiple processors, where only a single processor is required to back up a single file.

The Create Protection Plan screen displays.

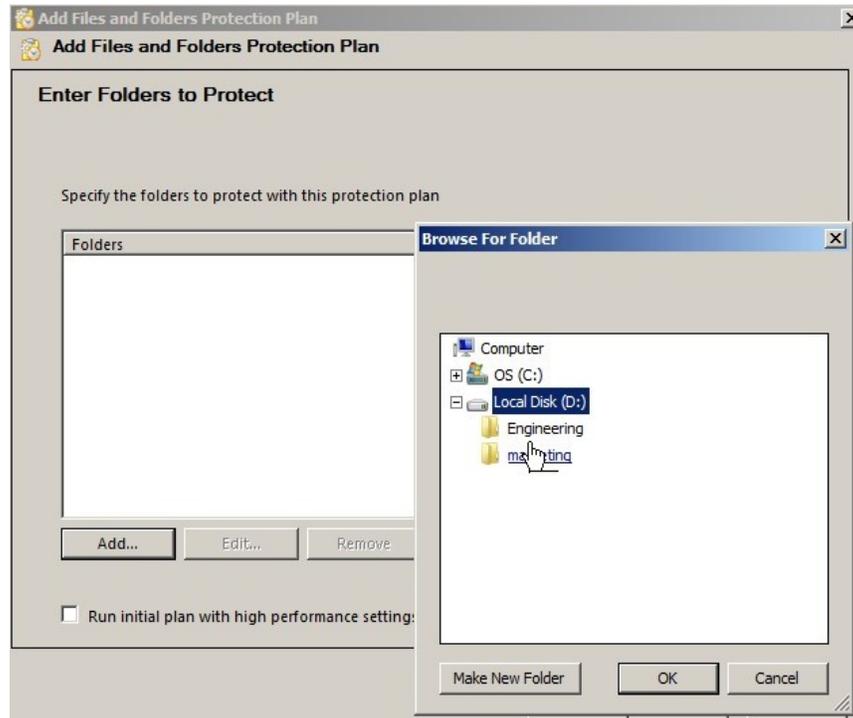


3 Choose **Files and Folders** or one of the other options.

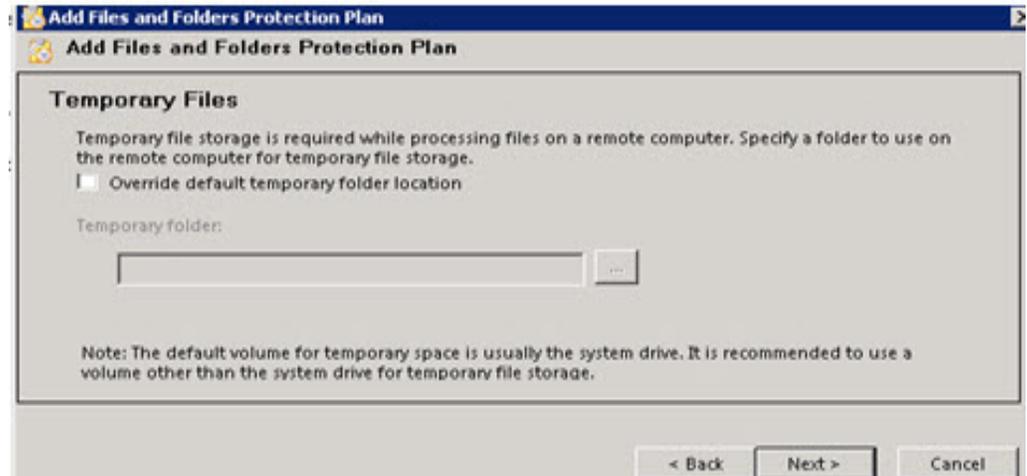
Note: Grayed-out options require the Advanced Feature Pack license. For customers with the Advanced Feature pack, options for SQL Databases and Exchange Data remain grayed out if the remote computer does not have SQL or Exchange installed.

Note: It is best practise to protect System Recovery Information and the System Drive in a plan separate from the Data Drives.

The Add Files and Folders Protection Plan screen displays.



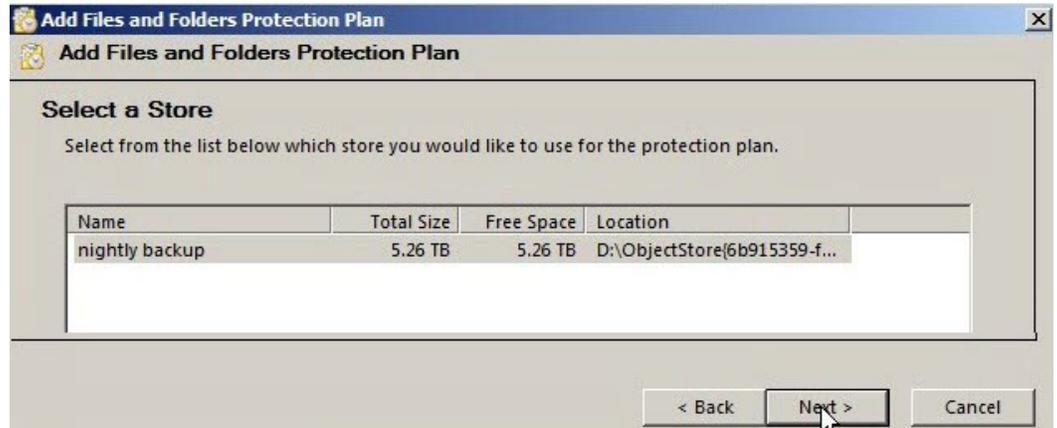
- 4 Click **Add**.
- 5 Select the folders to protect and click **OK**.
The Temporary File Location screen appears.



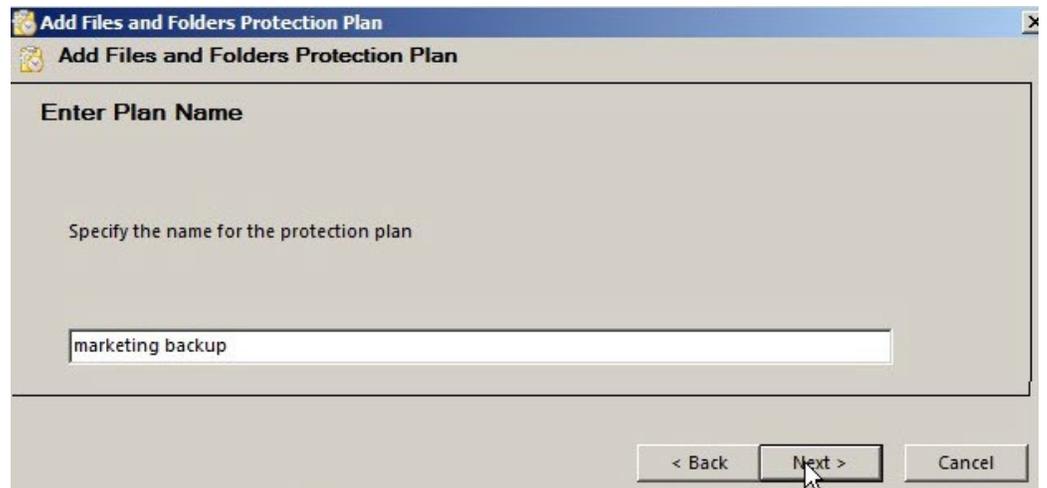
- 6 To accept temporary file location, click **Next**.
If you are running out of space on your hard drive, check the box **Override default temporary folder's location** and click **Next**.

Note: You only need enough space in the temp directory for your largest file.

The Select a Store screen displays.



- 7 Select the Store to use and click **Next**.
The Enter Plan Name screen displays.



- 8 Create a name for the plan and click **Next**.

The Edit Schedule screen displays.



9 Define a scheduling option and the administrator account credentials needed to run the plan and click **Next**.

10 Click **Finish**.

You may be asked to enter the password for the remote server. Enter the password and click **Finish**.

The following confirmation displays.

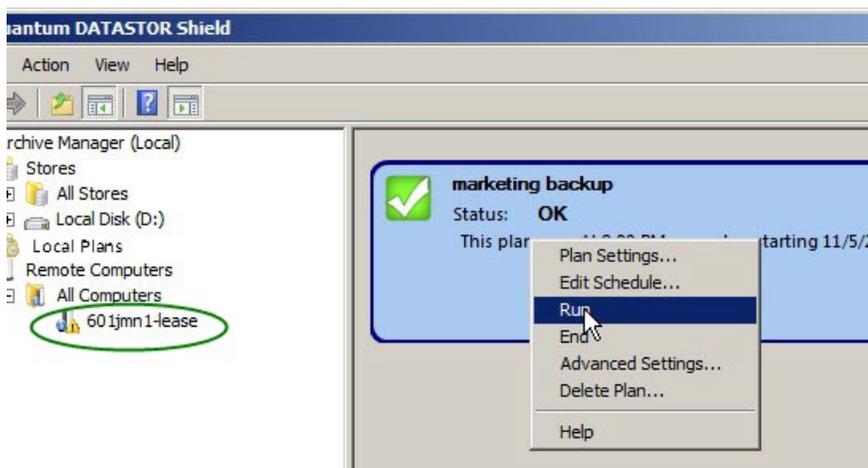


11 Click **OK**.

You are returned to the main management screen.

12 If you wish to run the protection plan immediately, do the following:

- a Highlight the remote computer in the left pane.
- b Right click the plan displayed in the center of screen.
The drop down menu displays.
- c Select **Run**.



Installing DATASTOR for RDX 8000 Users

Follow the steps below to install the DATASTOR Shield software on your Windows server.

Prerequisites

Ensure you install the DATASTOR Shield software on a Microsoft Windows Server 2008 R2, 2GHz Processor, and 4GB RAM or better server.

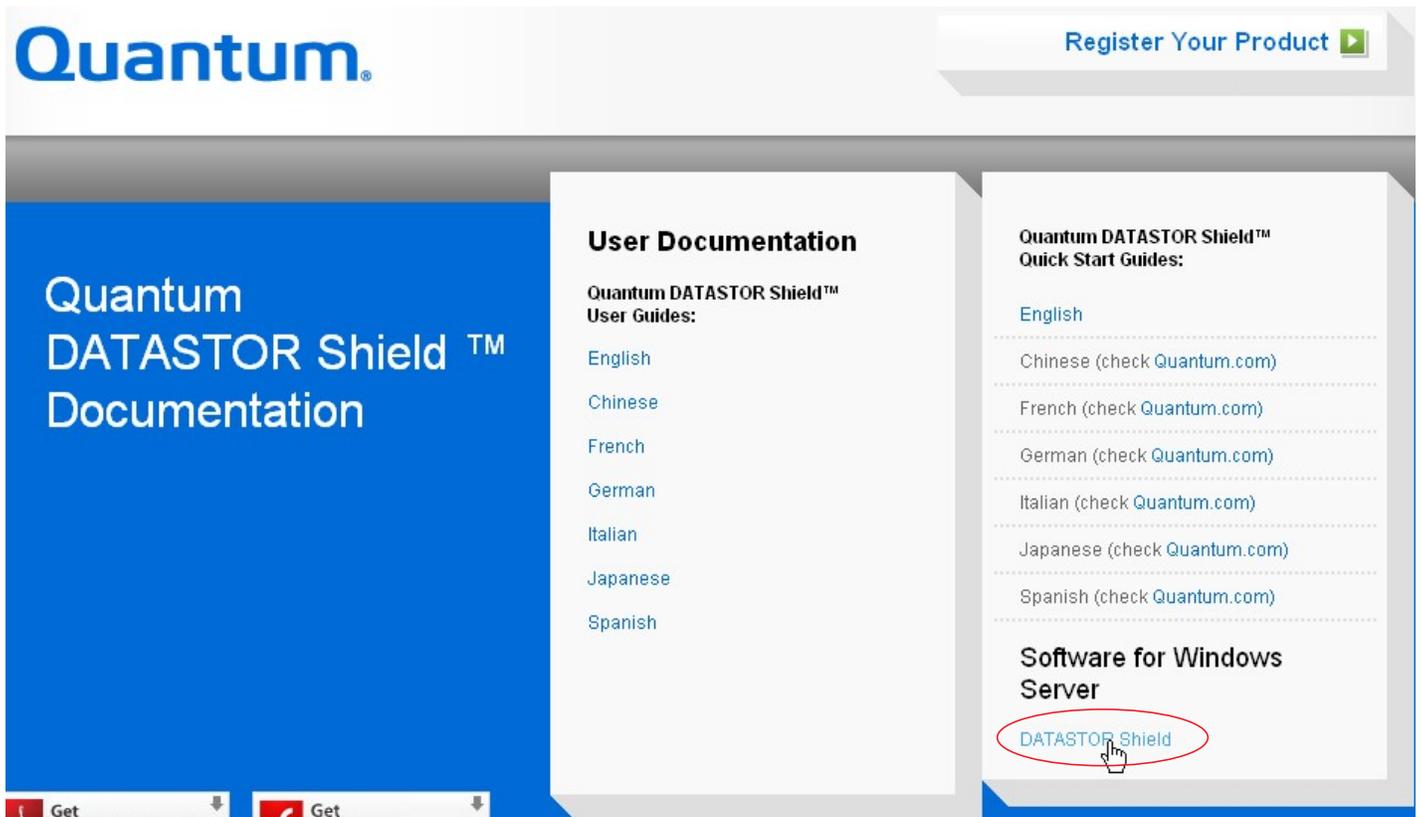
See [Prerequisites for IE 9 Users](#) on page 3, [Setting Up a User Account in a Domain or Workgroup](#) on page 4, and [Changing the Name of the Server](#) on page 5 for more prerequisite information.

Installing DATASTOR Shield Software

- 1 Insert the DATASTOR Shield CD.

The following displays in your Web browser.

Note: If the menu does not load open the cd and click the **start.htm** file to open the menu in your Web browser.



- 2 Click **DATASTOR Shield** to the right.
- 3 Choose **Run**.

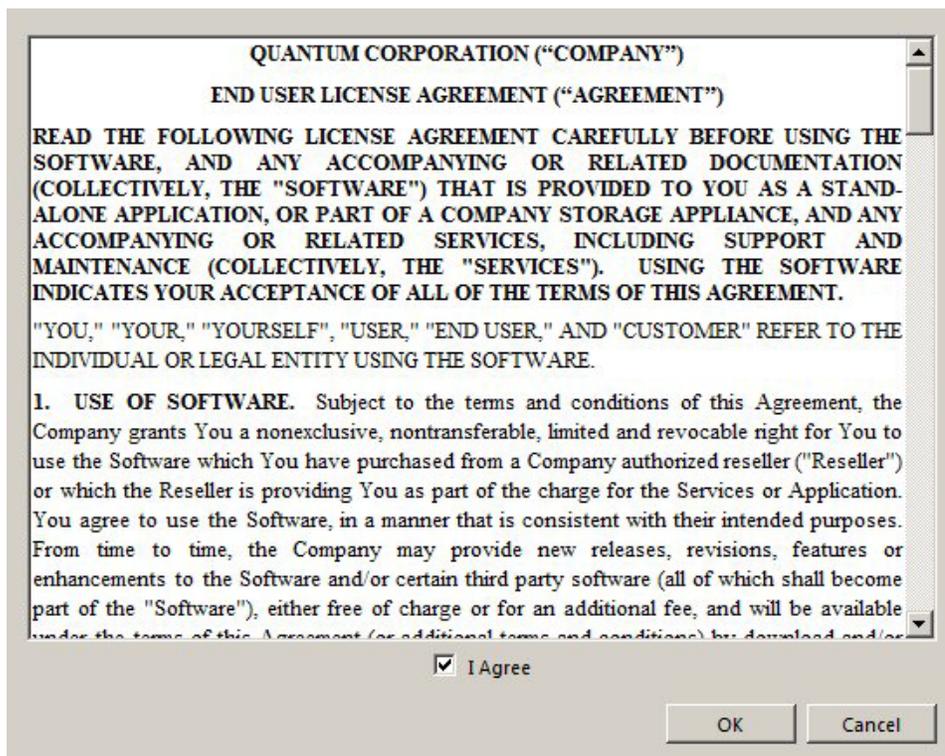
Note: If you are prompted to download the file from the CD to your hard drive, note the download location and click the **Quantum_DATASTOR** executable file.

The Setup Wizard begins and the Welcome to the DATASTOR Shield Setup Wizard screen displays.



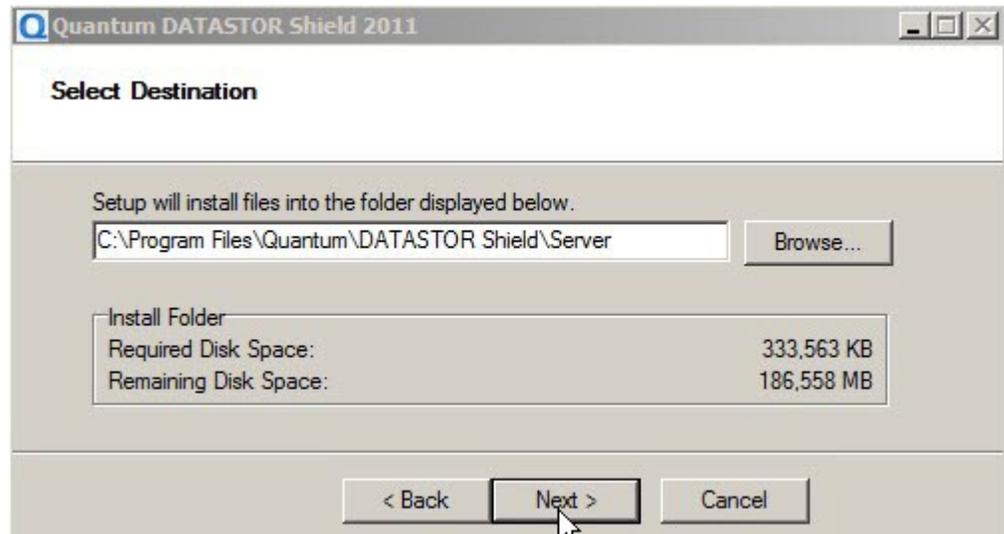
4 Click Next.

The License Agreement displays.



- 5 Click **I agree**, and then click **OK**.

The Select Destination screen displays.



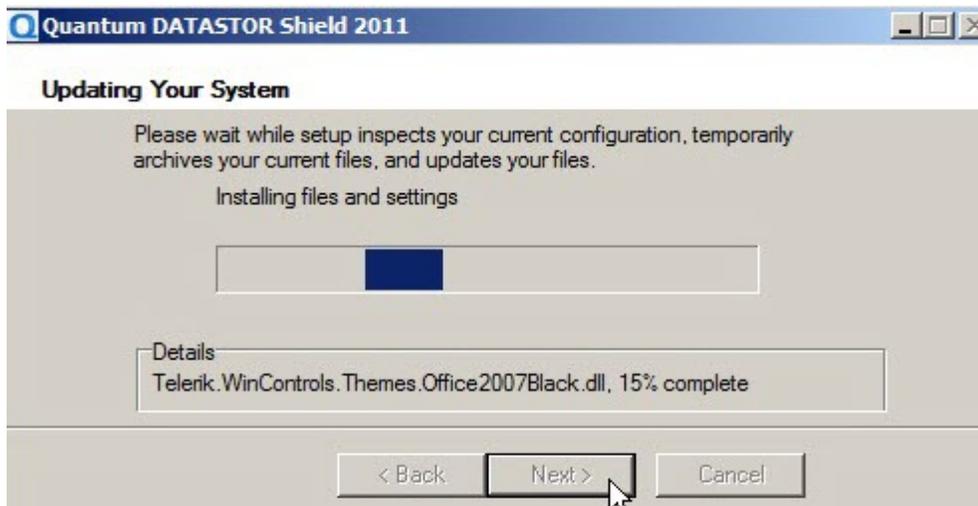
- 6 Select the folder where you would like to install the DATASTOR Shield software and click Next.

The Completing DATASTOR Shield Setup screen displays.



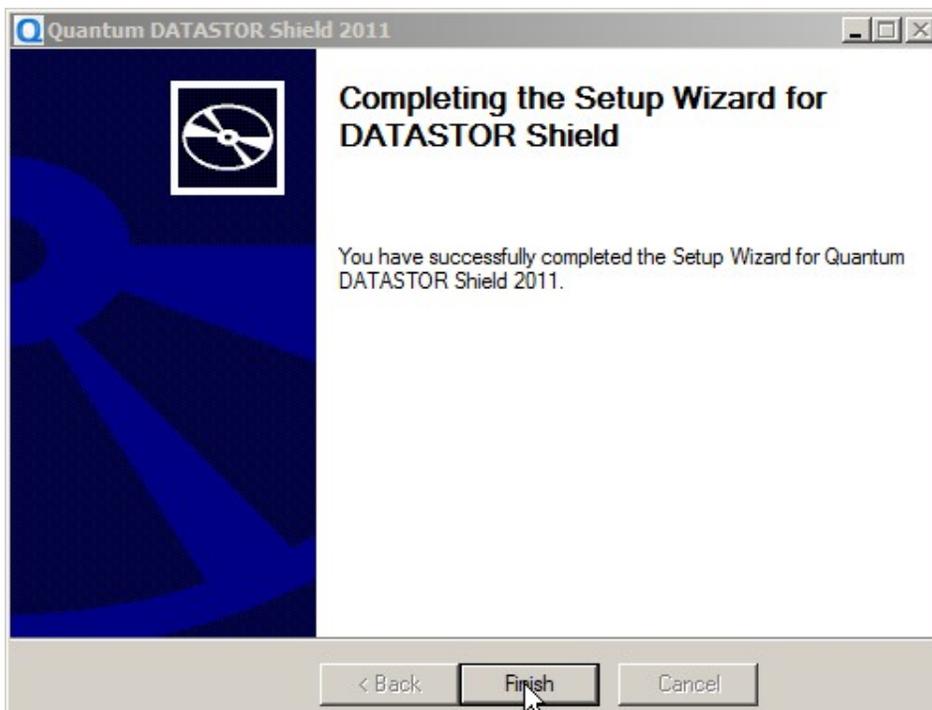
- 7 Click Next.

The Updating Your System screen displays while the software is being installed.



8 Click **Next** when complete.

The Completing Success screen displays.



9 Click **Finish**.

The Setup Wizard guides you through the license agreement.

DATASTOR Shield opens.

10 Go [Step 6](#) on page 7 in the [Activating DATASTOR Shield](#) section of this document and complete the installation steps before setting up backups.

Helpful Links

Quantum Technical Support

USA 800-284-5101

EMEA 00800-4-782-6886

APAC +800 7826 8887

Worldwide: <http://www.quantum.com/ServiceandSupport>

Microsoft Technet

<http://Technet.microsoft.com>

Windows Storage Server 2008 R2 Getting Started Guide

[http://technet.microsoft.com/en-us/library/gg214166\(WS.10\).aspx](http://technet.microsoft.com/en-us/library/gg214166(WS.10).aspx)

Windows Storage Server 2008 R2 Standalone Storage

[http://technet.microsoft.com/en-us/library/gg232694\(WS.10\).aspx](http://technet.microsoft.com/en-us/library/gg232694(WS.10).aspx)



For assistance, contact the Quantum Customer Support Center:

USA: **1-800-284-5101 (toll free) or +1-720-249-5700**

EMEA: **+800-7826-8888 (toll free) or +49 6131 3241 1164**

APAC: **+800 7826 8887 (toll free) or +603 7953 3010**

Worldwide: <http://www.quantum.com/ServiceandSupport>

Quantum®

Preserving the World's Most Important Data. Yours.™

©2013 Quantum Corporation. All rights reserved. Quantum, the Quantum logo, and all other logos are registered trademarks of Quantum Corporation or of their respective owners.

About Quantum

Quantum Corp. (NYSE:QTM) is the leading global storage company specializing in backup, recovery and archive. Combining focused expertise, customer-driven innovation, and platform independence, Quantum provides a comprehensive range of disk, tape, media and software solutions supported by a world-class sales and service organization. This includes the DXi™-Series, the first disk backup solutions to extend the power of data deduplication and replication across the distributed enterprise. As a long-standing and trusted partner, the company works closely with a broad network of resellers, OEMs and other suppliers to meet customers' evolving data protection needs.