

Quantum NDX NAS Quick Start Guide

This quick start guide provides basic installation and configuration instructions for the NDX NAS system. For more information, see the Quantum NDX NAS Tower User's Guide and NDX NAS 1U Rack User's Guide on the documentation CD provided with your system.

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.

For the latest Tech Bulletins please go to :<http://cp-quantum.kb.net>

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Configuring NDX NAS for First Time

To configure your NDX NAS for the first time, follow the steps below.

- 1 Attach your NDX NAS System to a keyboard, monitor and mouse.
- 2 Connect to your network by attaching an Ethernet cable to one of the Ethernet ports on the rear of the unit—closest to the graphics or video port.
- 3 Plug the power cord into the system and power on the unit.

Caution: Do not unplug the device during start up - it may cause the Microsoft setup process to fail.

The unit boots up showing the Quantum logo, the RAID Configuration, and then the Quantum Logo again.

Microsoft Windows begins initial setup and shows a message **Setup Installing Devices**.

The unit reboots.

- 4 Provide your **Country, Language, and Regional Settings**.
- 5 Input the **Windows Product Key** from the Windows sticker located on the unit. If connected to the Internet, check the box to automatically register and activate Windows.
- 6 Check the box **I accept License Terms** if you accept the Microsoft Software License Terms shown, and click **Start**.
- 7 Provide a **New Password**.

Note: This system is RAID 5 factory configured to protect against failure of any single disk. The resulting usable storage of this system is approximately 5.4TB

Other Initial Configuration Options

Using the Initial Configuration Tasks screen as shown below in [Figure 1](#), perform the following tasks: Activate Windows, set the time zone, configure networking, provide a computer and domain name, enable automatic updates, and download and install updates.

Note: Some of the configuration tasks will require a reboot to take effect. It is not necessary to reboot the server until all the desired configuration tasks are completed.

Figure 1 Initial Configuration Tasks Screen

Initial Configuration Tasks


Perform the following configuration tasks

Activate Windows		
 Activate Windows	Product ID	Loading...

Provide Computer Information		
 Set time zone	Time Zone	(UTC-08:00) Pac
 Configure networking	Local Area Connection Local Area Connection 2	Not connecte IPv4 address
 Provide computer name and domain	Full Computer Name Workgroup	WIN-2IK82G4S WORKGROUP

Update This Server		
 Enable automatic updating and feedback	Updates Feedback	Not configure Windows Err Not participat
 Download and install updates		

Provision Storage		
 Configure storage array		
 Provision a volume	Disk 0	Online: 5.46

Activating Windows Operating System

Note: You must be connected to the internet to complete Windows activation.

If the Activate Windows section of the screen is viewable, then Windows is not yet activated. Follow the steps below to activate Windows:

- 1 Choose **Activate Windows Online**.
The Activation Successful dialog box displays.
- 2 Click **Close**.

Setting Date /Time on Server

- 1 Click **Set Time Zone** to set the correct time and time zone.
- 2 Click **Change Date and Time** to set the time.
- 3 Click **Change Time Zone** to set your time zone.
- 4 Click **OK** in each dialog box when done.

Configuring Networking

Network settings are automatically configured in Windows Storage Server Workgroup 2008 R2 using DHCP to assign IP addresses by default.

To configure a static IP address, do the following:

- 1 From the Initial Configure Tasks screen, click **Configure Networking** (see [Figure 1](#)).

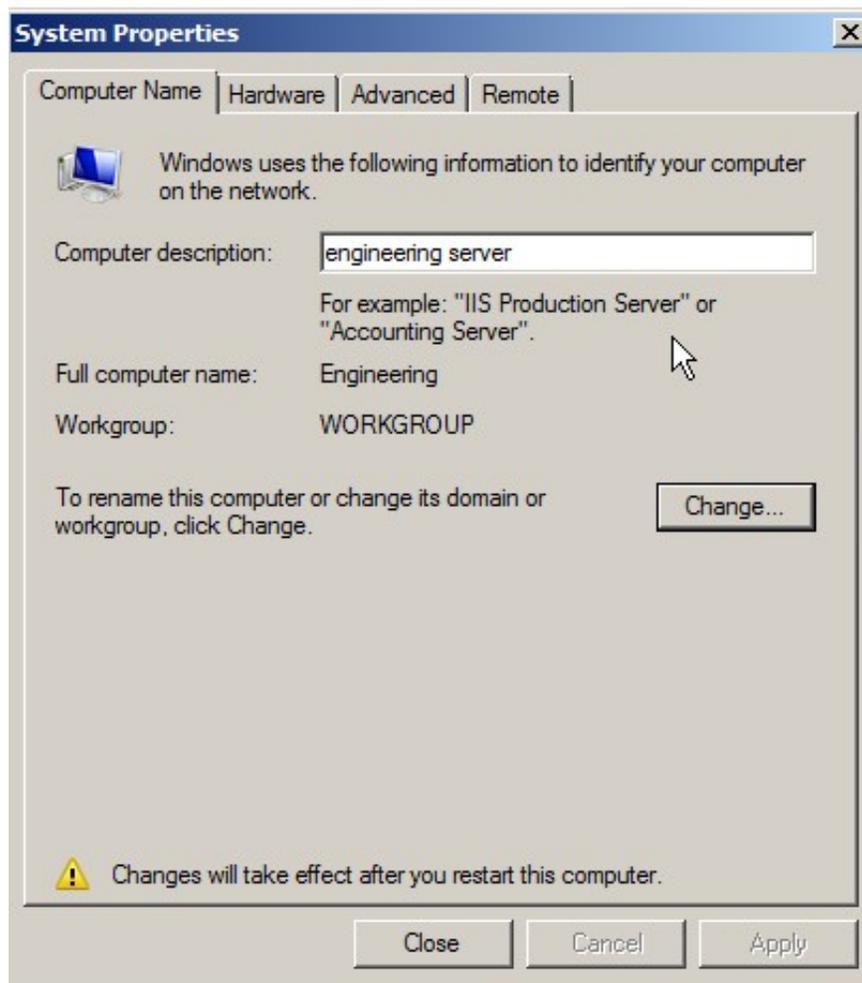
Note: Alternately, in Server Manager click **View Network Connections**.

- 2 Right click the network connection that you want to configure, and select **Properties**.
- 3 Double click **Internet Protocol Version 4 (TCP/IPv4)**, and then click **Properties**.
- 4 On the **General** tab, click **Use the following IP address**.
- 5 In the IP address field, type the IP address that you want to use.
- 6 Press the Tab key to place the cursor in Subnet mask.
A default value for subnet mask is entered automatically.
- 7 Either accept the default subnet mask, or type the subnet mask that you want to use.
- 8 In **Default gateway**, type the IP address of your default gateway.
- 9 In **Preferred DNS server**, type the IP address of your DNS server. If you plan to use the local computer as the preferred DNS server, type the IP address of the local computer.
- 10 In **Alternate DNS Server**, type the IP address of your alternate DNS server, if any. If you plan to use the local computer as an alternate DNS server, type the IP address of the local computer.
- 11 Click **OK**, and then click **Close**.

Specifying Computer (or failover cluster) and Domain Names

- 1 Click **Provide Computer Name and Domain**.

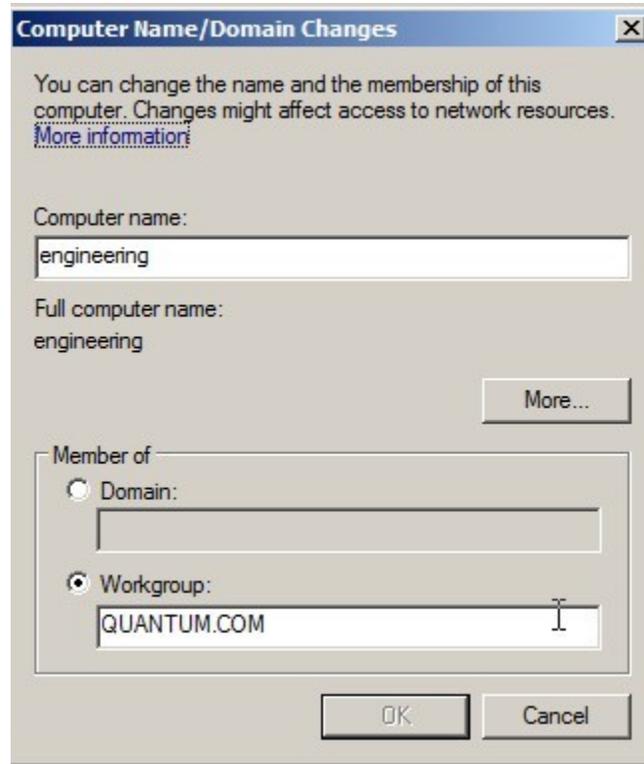
The System Properties screen displays.



- 2 In the **Computer Description** field, type the description of the server, for example, Engineering Server.

3 Click Change.

The Computer Name/Domain Changes screen displays.



4 To change the **Computer name**, type in the new name.

5 In the **Member of** section, choose one of the following:

- Click **Workgroup** and type the workgroup name you wish to join.
- Click **Domain** and choose the domain you want to join.

You are prompted to type your user name and password for that domain.



6 Click **OK**.

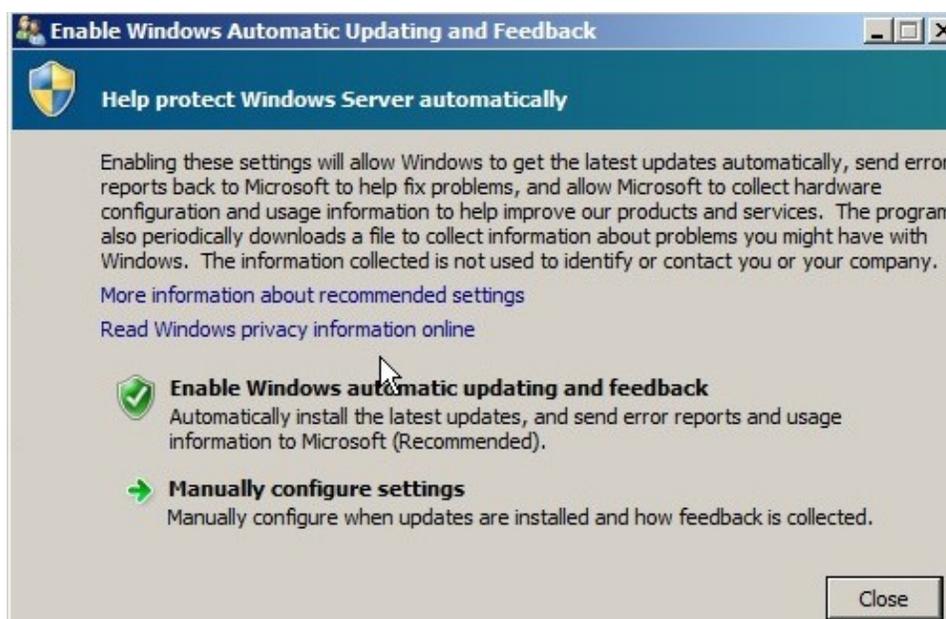
If successful you may be prompted to restart the computer.

Enabling Windows Automatic Updates

To allow Windows to get the latest updates automatically, do the following:

1 Click **Enable Windows automatic updating and feedback** or choose to **Manually configure settings**.

Manual configuration allows you to control download and installation of updates and to control whether error reports are sent automatically or if you are prompted first. You can also choose to participate in the Customer Experience Improvement Program.



2 Click **Close**.

Installing Important Windows Updates

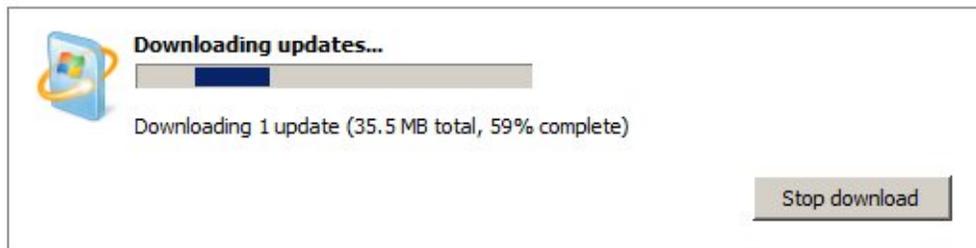
Note: Two types of updates are offered from Microsoft—important updates (mostly security) and optional updates (driver and hardware related updates). Updates should be installed regularly to keep the system up-to-date.

1 Click **Download and Install Updates**.

2 Click the links describing how many of each type of update are available to add or remove updates from installation.

- 3 Click **Install Updates** to complete the download and install process.

Windows Update



Most recent check for updates: Today at 3:40 PM
Updates were installed: Never
You receive updates: For Windows only.

Get updates for other Microsoft products. [Find out more](#)

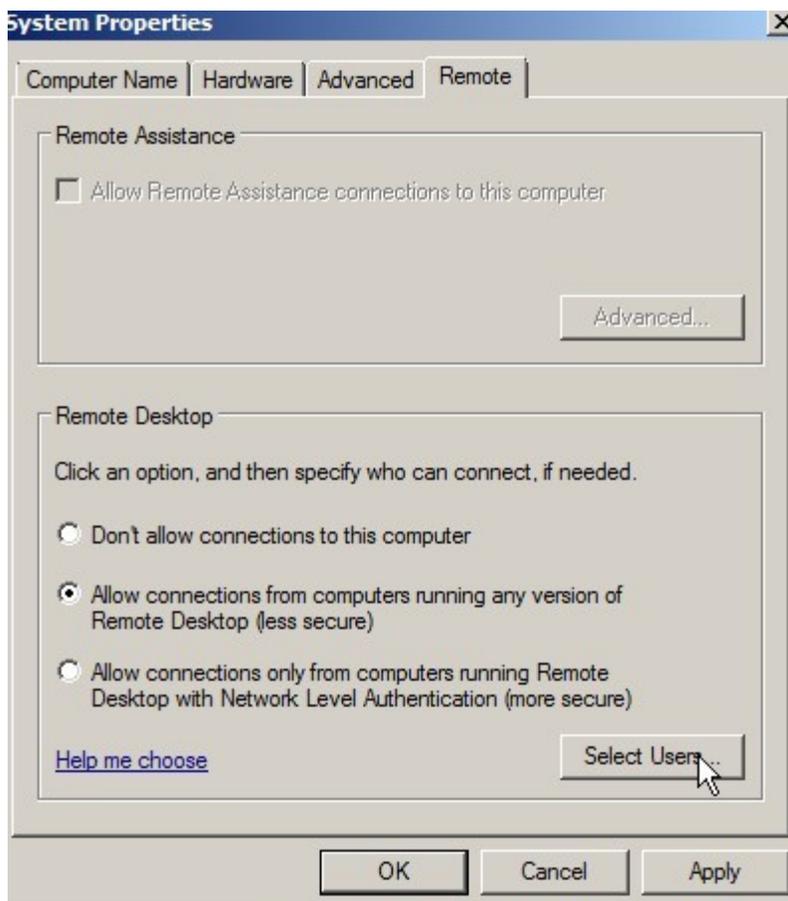
Provision Storage

No action is required. Storage is already provisioned at the factory.

Configuring Remote Desktop

Once you configure the remote desktop, you are able to remotely manage the NDX NAS unit from a computer running the Windows operating system.

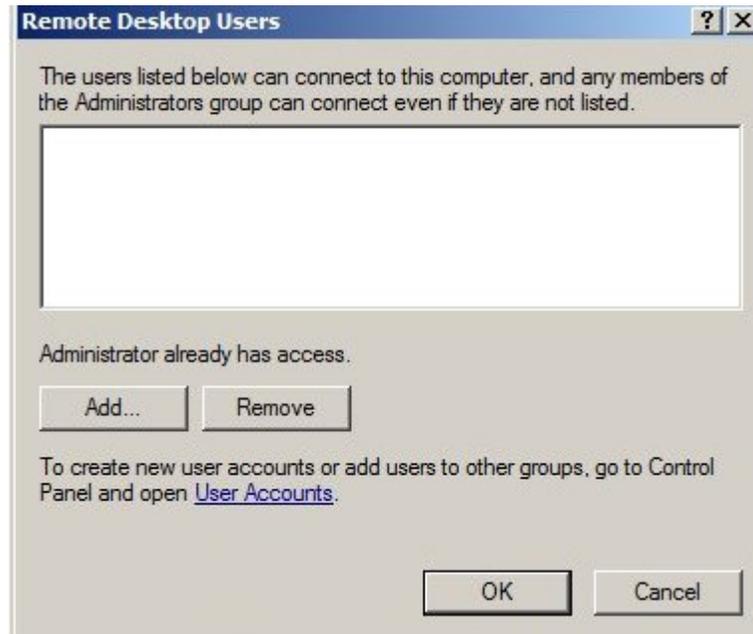
- 1 Access the Server Manager from the icon next to the **Start** button.
- 2 With Server Manager highlighted in the left pane, click **Configure Remote Desktop**—found in the small box to the right in the Computer Information section.



There are three choices for allowing Connections via remote desktop.

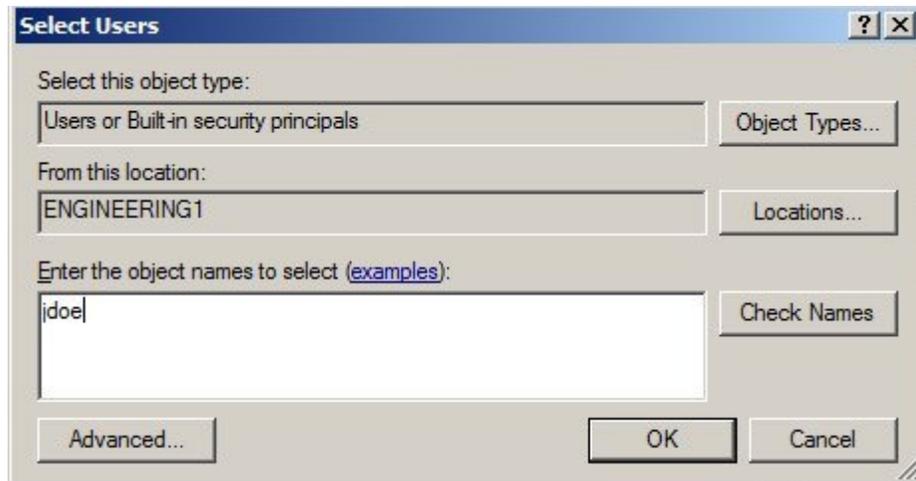
- 3 Select your desired connection.
- 4 Click the **Select Users** button.
- 5 Click **Add User**.

The Remote Desktop screen displays.



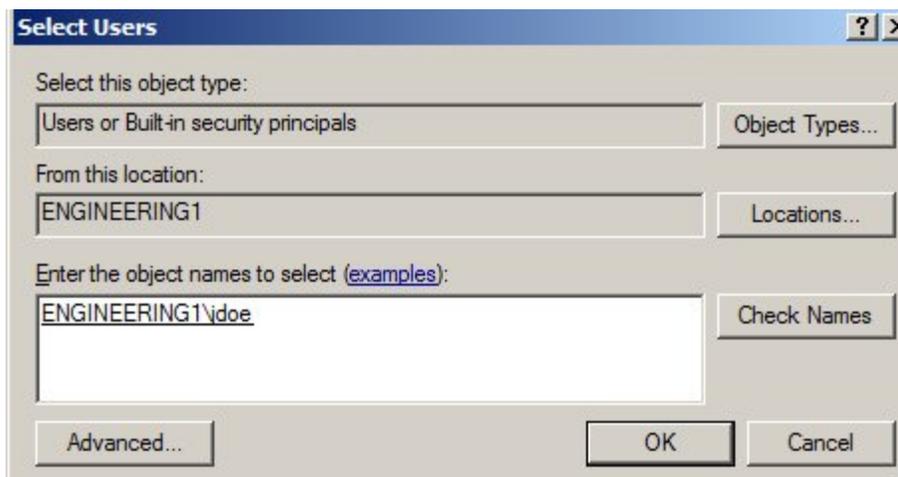
6 Click **Add**.

The Select Users screen displays.



7 Enter the user or group name and click check names.

The Check Names screen displays.



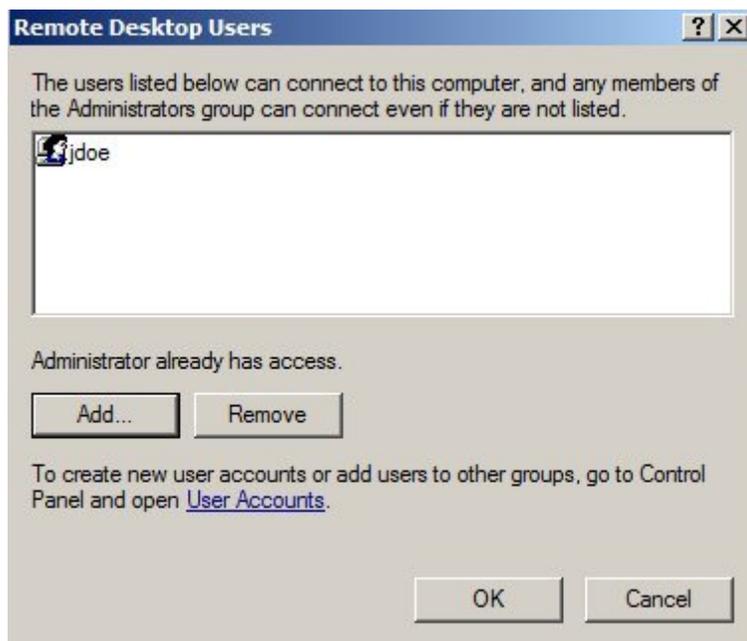
The user name is validated.

- 8 Add the users who should have ability to manage the NDX remotely.

Note: Any users that are members of the Administrators group can connect even if they are not specifically listed.

- 9 Click **OK**.

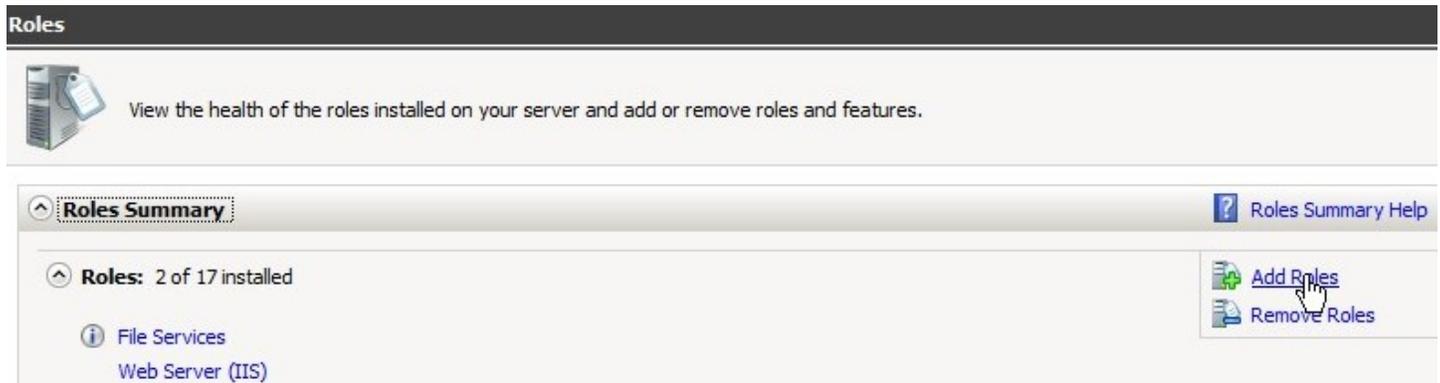
If successful, the added user should appear as depicted below.



Adding Role of File Services

If File Services is not present under Roles, follow the steps below to add this role. Otherwise skip to next section.

- 1 Click **Roles**. Then on the right hand side of the screen click **Add Roles**.

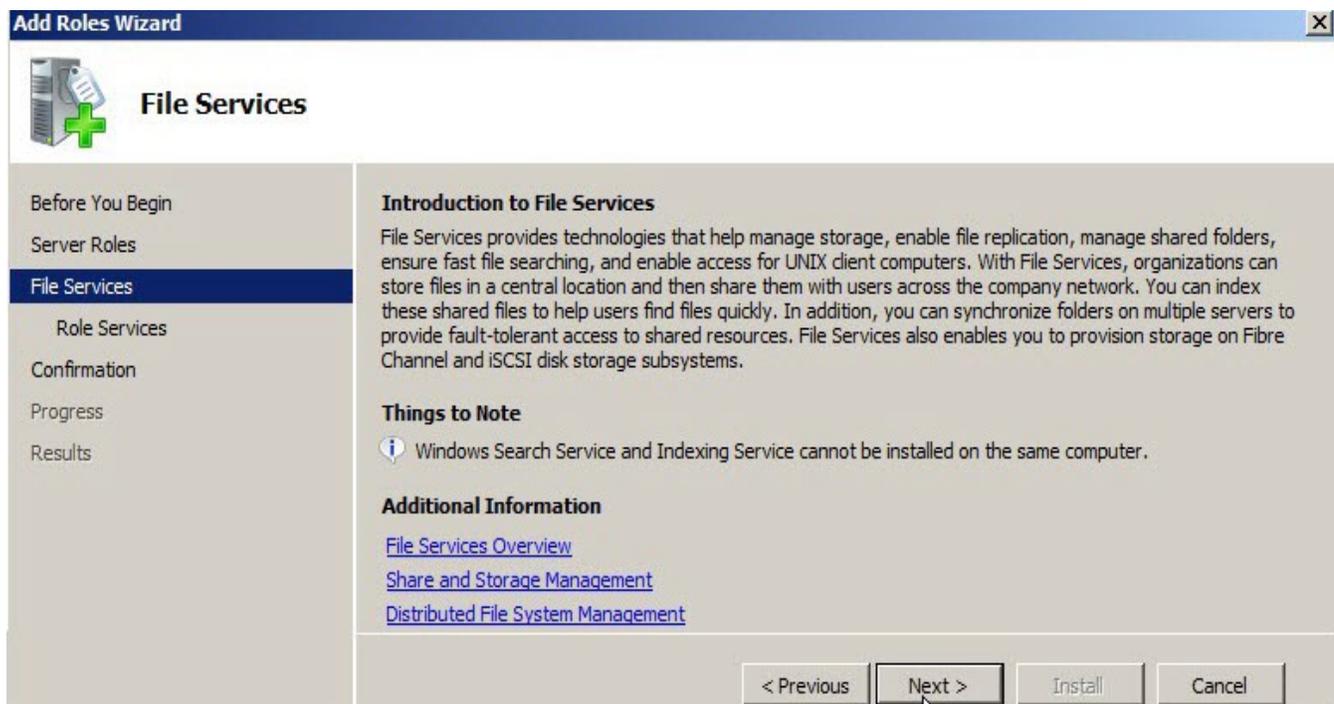


The Before You Begin screen displays asking you to verify that:

- The administrator account has a strong password.
- Network settings are configured.
- All security updates are installed.

- 2 Click **Next**.

The File Services screen displays.



3 Click Next.

The Select Server Roles screen displays.

The screenshot shows the 'Add Roles Wizard' window. The title bar reads 'Add Roles Wizard'. Below the title bar is a navigation pane on the left with the following items: 'Before You Begin', 'Server Roles' (highlighted), 'File Services', 'Role Services', 'Confirmation', 'Progress', and 'Results'. The main area is titled 'Select Server Roles' and contains the instruction 'Select one or more roles to install on this server.' Below this is a list of roles with checkboxes. The 'File Services' checkbox is checked. To the right of the list is a 'Description:' section with a link to 'File Services' and a paragraph of text. At the bottom right are four buttons: '< Previous', 'Next >', 'Install', and 'Cancel'. The 'Next >' button is highlighted.

Add Roles Wizard

Select Server Roles

Before You Begin

Server Roles

File Services

Role Services

Confirmation

Progress

Results

Select one or more roles to install on this server.

Roles:

- Active Directory Certificate Services
- Active Directory Domain Services
- Active Directory Federation Services
- Active Directory Lightweight Directory Services
- Active Directory Rights Management Services
- Application Server
- DHCP Server
- DNS Server
- Fax Server
- File Services
- Hyper-V
- Network Policy and Access Services
- Print and Document Services
- Remote Desktop Services
- Web Server (IIS) (Installed)
- Windows Deployment Services
- Windows Server Update Services

Description:

[File Services](#) provides technologies that help you manage storage, enable file replication, manage shared folders, ensure fast file searching, and enable access for UNIX client computers.

[More about server roles](#)

< Previous Next > Install Cancel

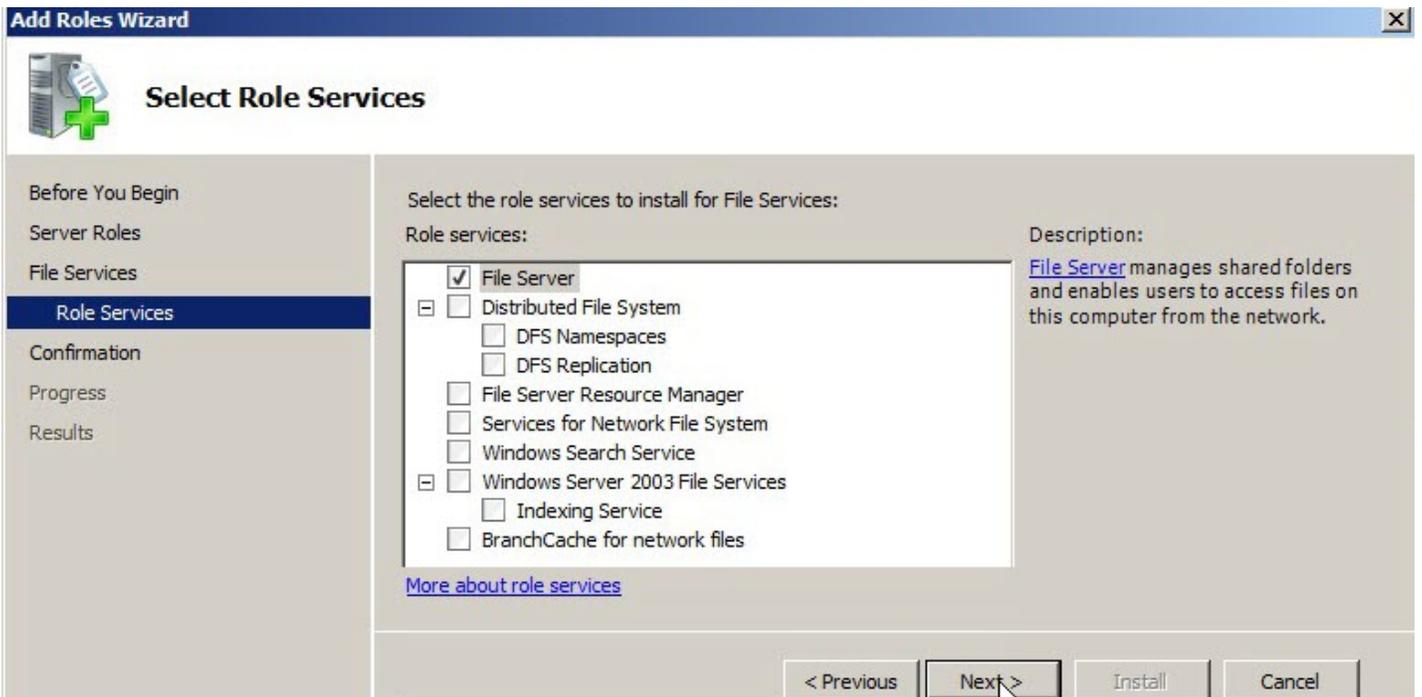
4 Check Files Services and click Next.

The Files Services Introduction screen displays.

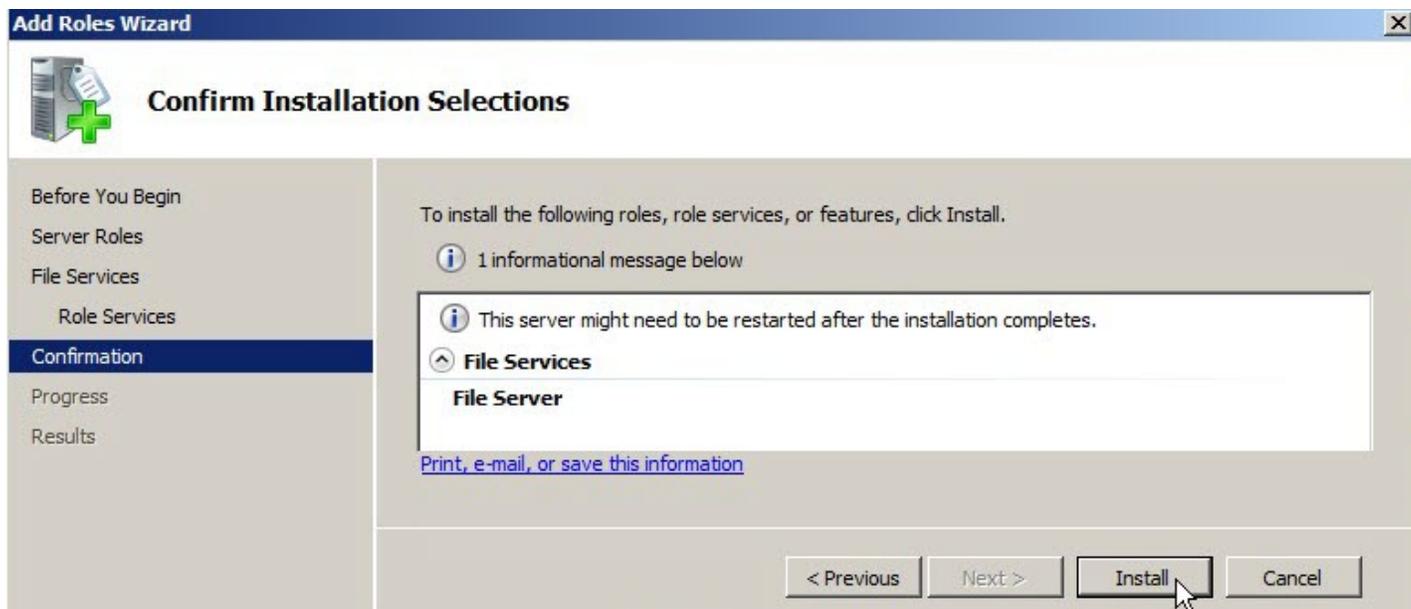


5 Click Next.

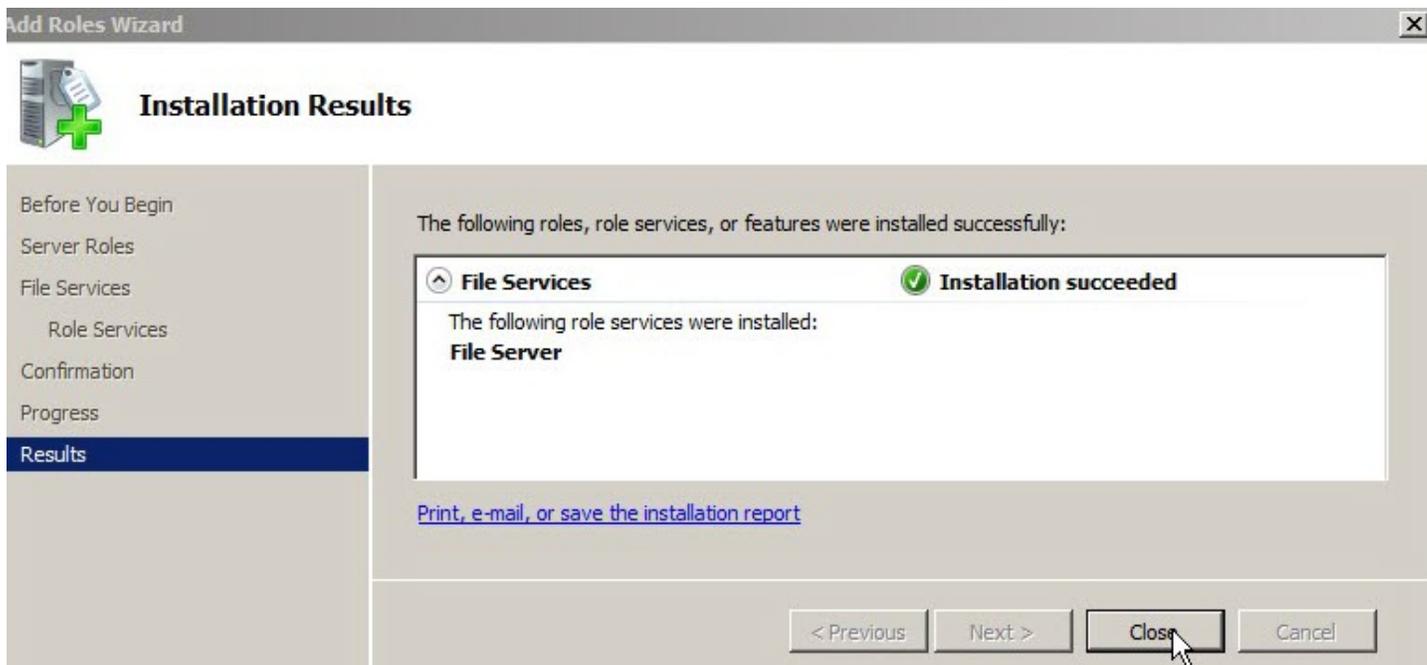
The Select Server Roles screen displays.



- 6 Check **File Server**, if needed, and click **Next**.
The Confirm Installation Selections screen displays



- 7 Confirm your installation selections and click **Install**.
The Installation Results screen displays.



- 8 Click **Close**.

Setting Up NDX as File Server

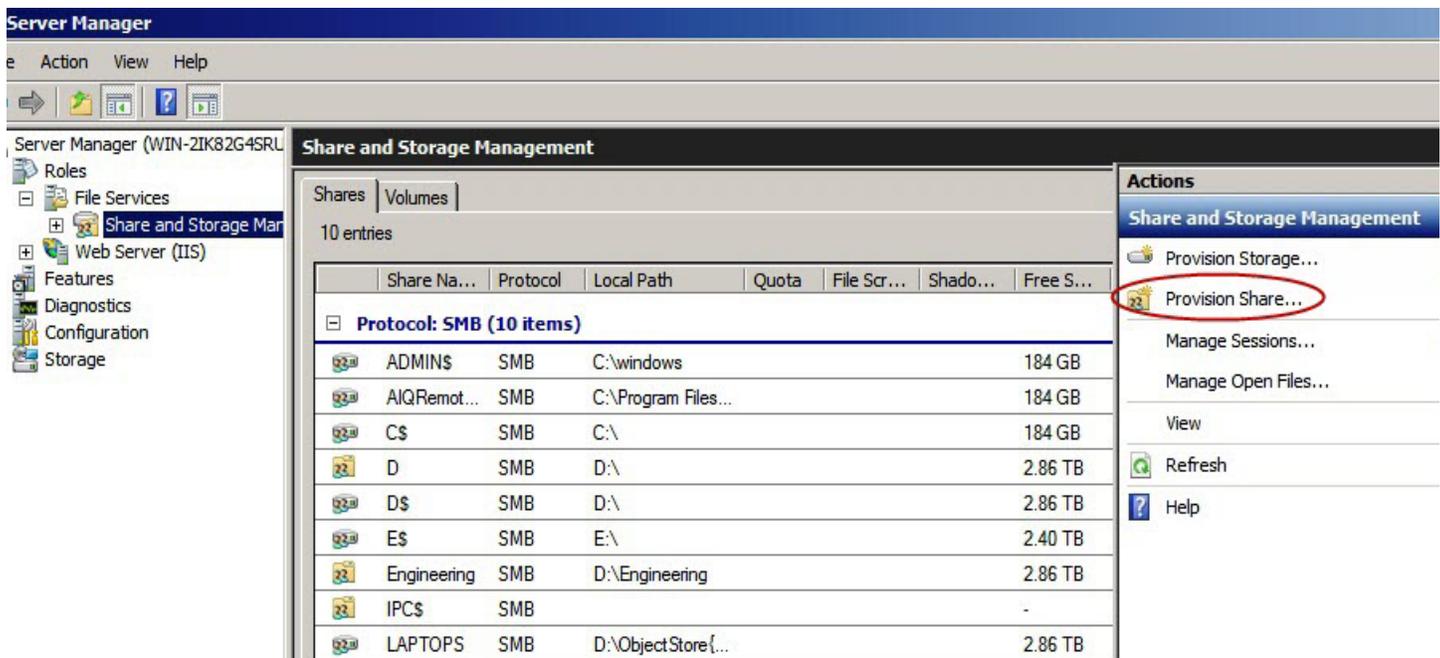
To use the NDX NAS devices as a file server, do the following:

- 1 In the Server Manager, double click **Roles**.
- 2 Double click **File Services**.

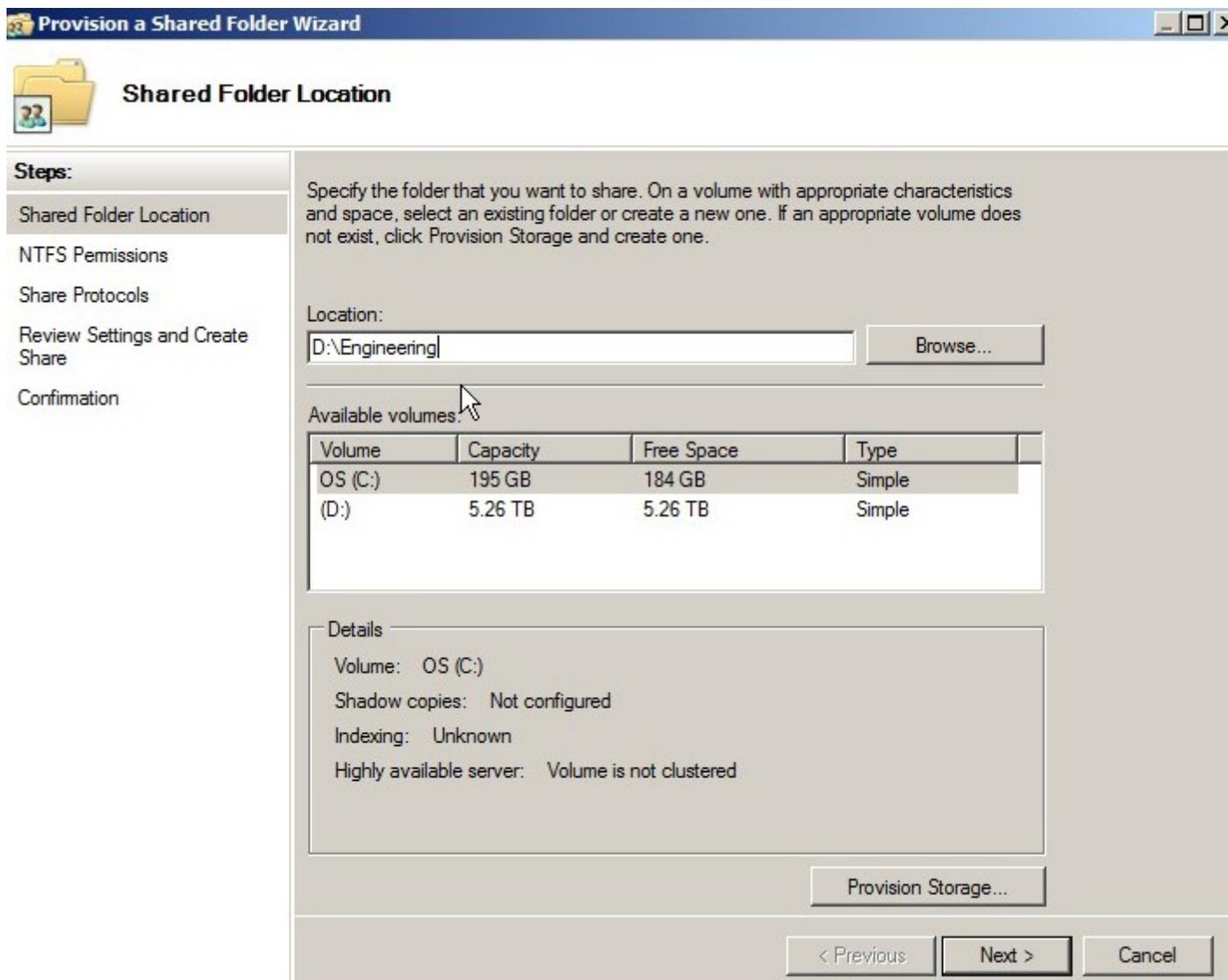
Note: If File Services does not appear then choose **Add Roles** and **Add File Services**.

- 3 Select **Share and Storage Management**.

The Share and Storage Management screen displays.



- In the Actions pane (to the right), click **Provision Share** to start the Provision Shared Folder Wizard.



- Type the folder name you wish to create on the D: drive, for example **D:\Engineering**.

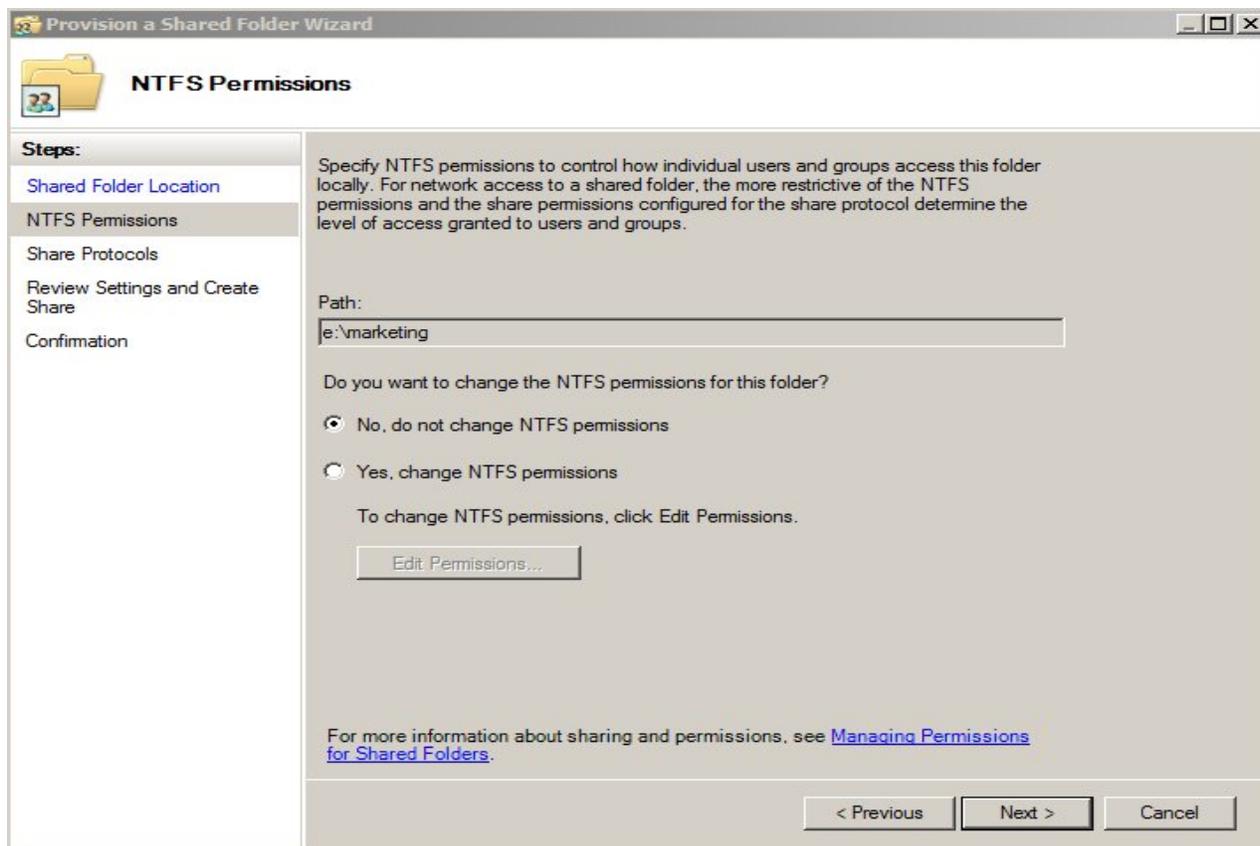
Note: The folder string must be in the **D:\<Folder Name>** format for it to be an accepted entry.

- Click **Next**.

A pop-up window opens stating that the folder does not exist.

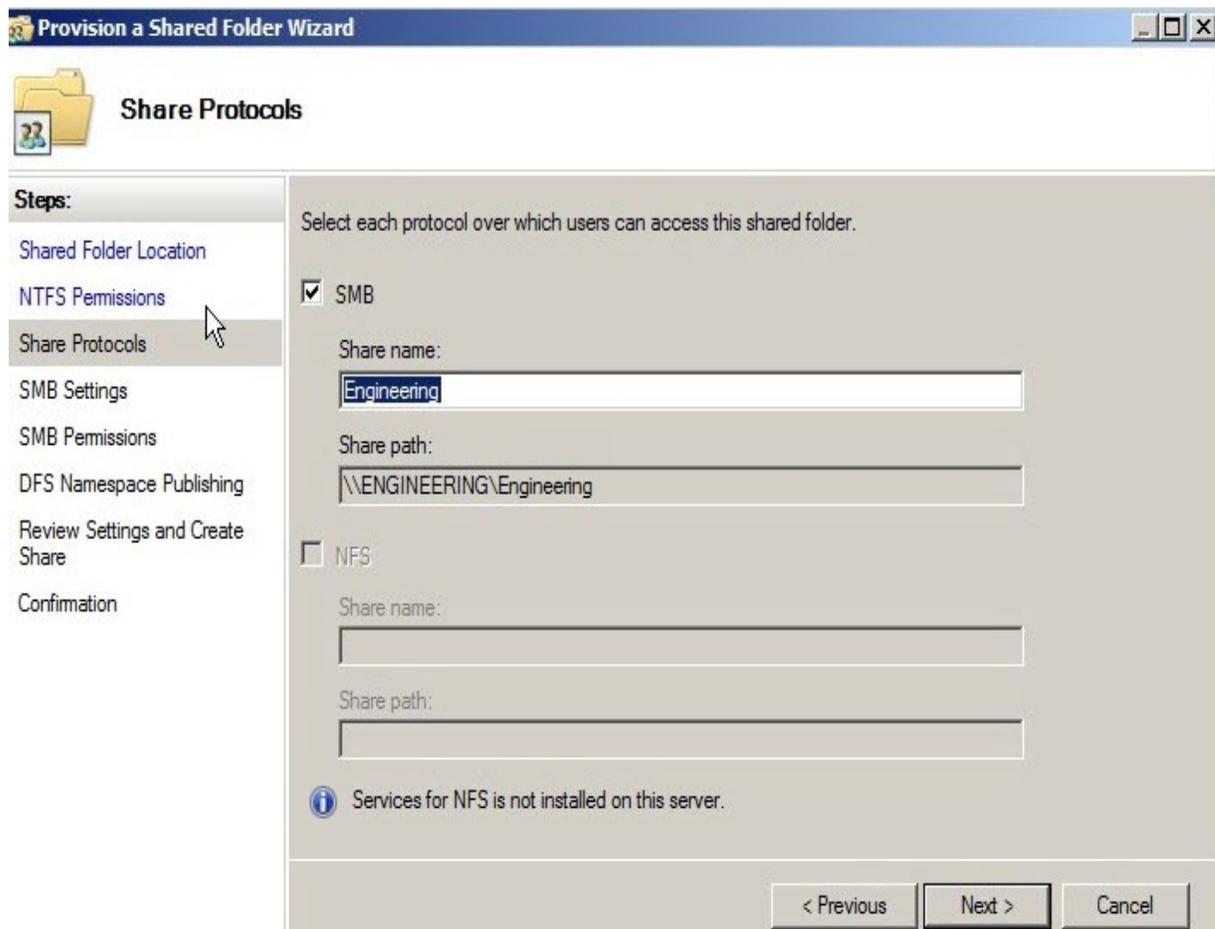
7 Click **Yes** to create the folder.

The NTFS Permission screen displays.



8 Select **No, do not change NTFS permissions** option button, and click **Next** to continue.

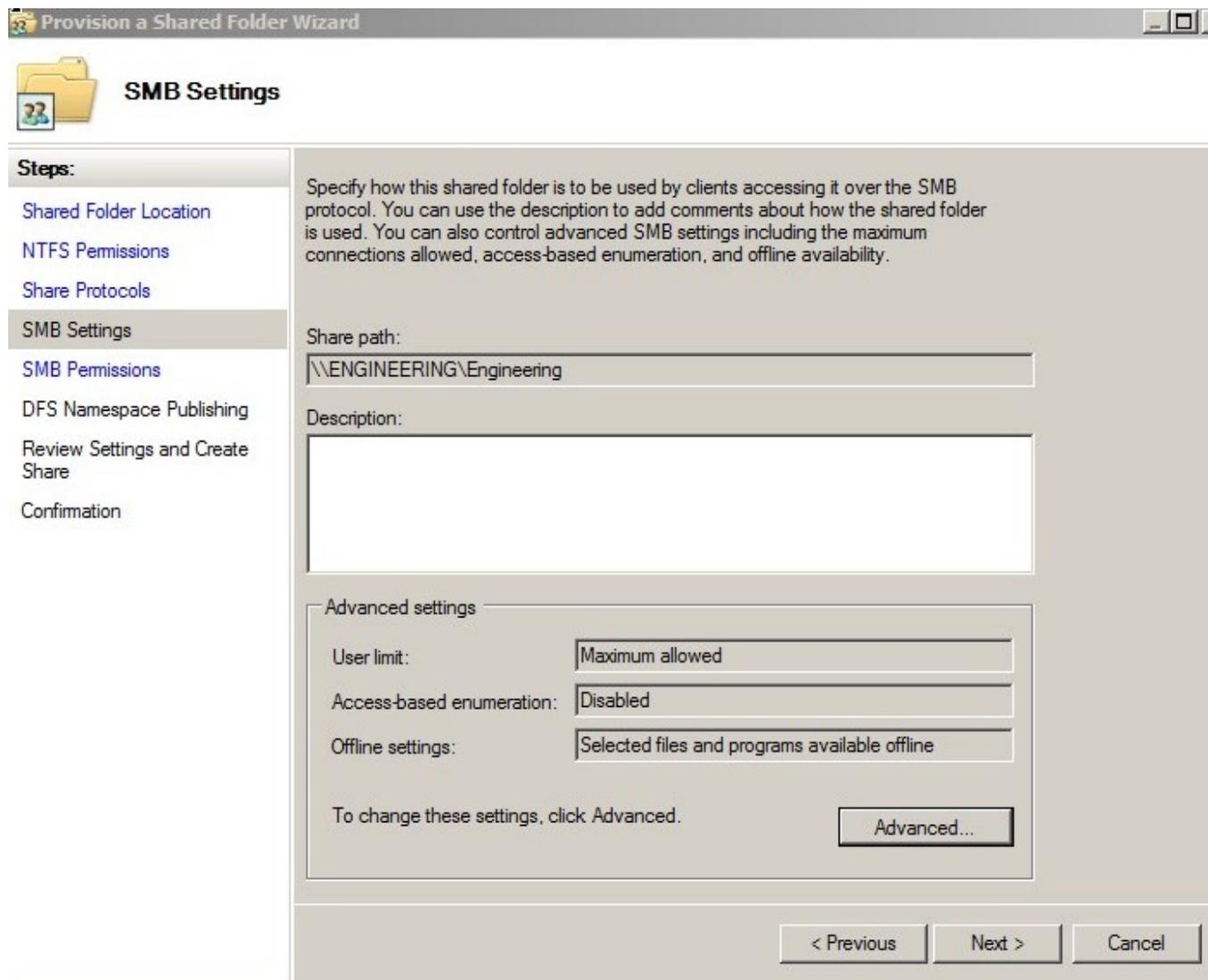
The Shared Protocols screen displays.



9 Check the **SMB** button and type the share name, for example: Engineering.

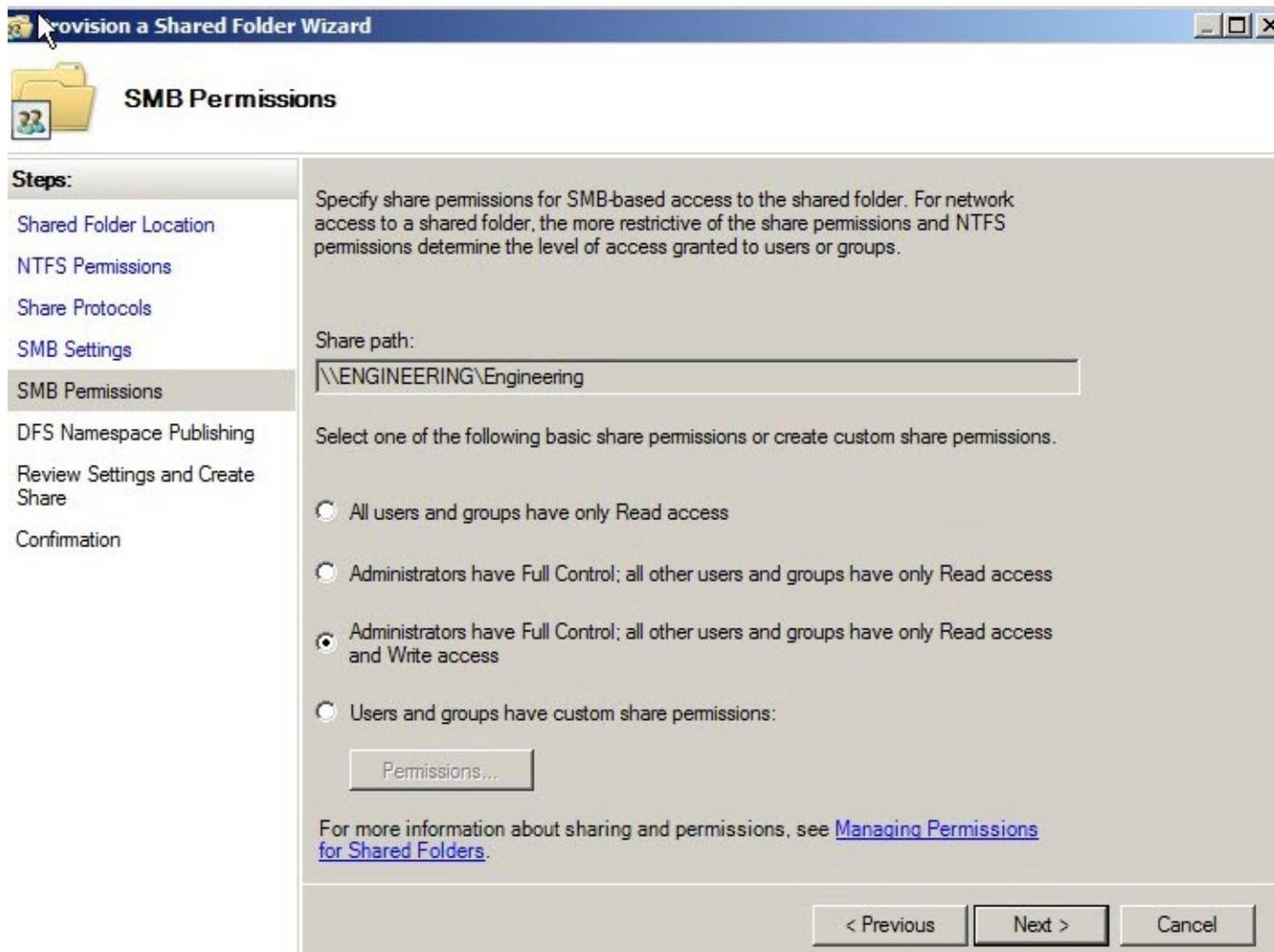
10 Click **Next**.

The SMB Settings displays.



- 11 Click **Next** to accept the default settings or click advanced to set the maximum number of users allowed.

The SMB Permissions screen displays.



- 12 Choose the permissions you wish to grant to users. Under custom permissions you can select specific users or groups to provide the types of access you wish. For example, you might want to provide only the group Engineering with read and write access.
- 13 Click **Next**.

The DFS Namespace Publishing screen displays.

Note: If you need more information on this topic, click the Namespace link in blue as depicted in screen below.

Steps:

- Shared Folder Location
- NTFS Permissions
- Share Protocols
- SMB Settings
- SMB Permissions
- DFS Namespace Publishing**
- Review Settings and Create Share
- Confirmation

You can publish an SMB share to a DFS namespace by specifying an existing namespace and the folders you want to create in the namespace. The last folder in the namespace path will have the new share as a folder target.

Publish the SMB share to a DFS namespace

Parent folder in namespace:

Example: \\Domain\Name\Folder

New folder name:

Example: Name or NewFolder\Name

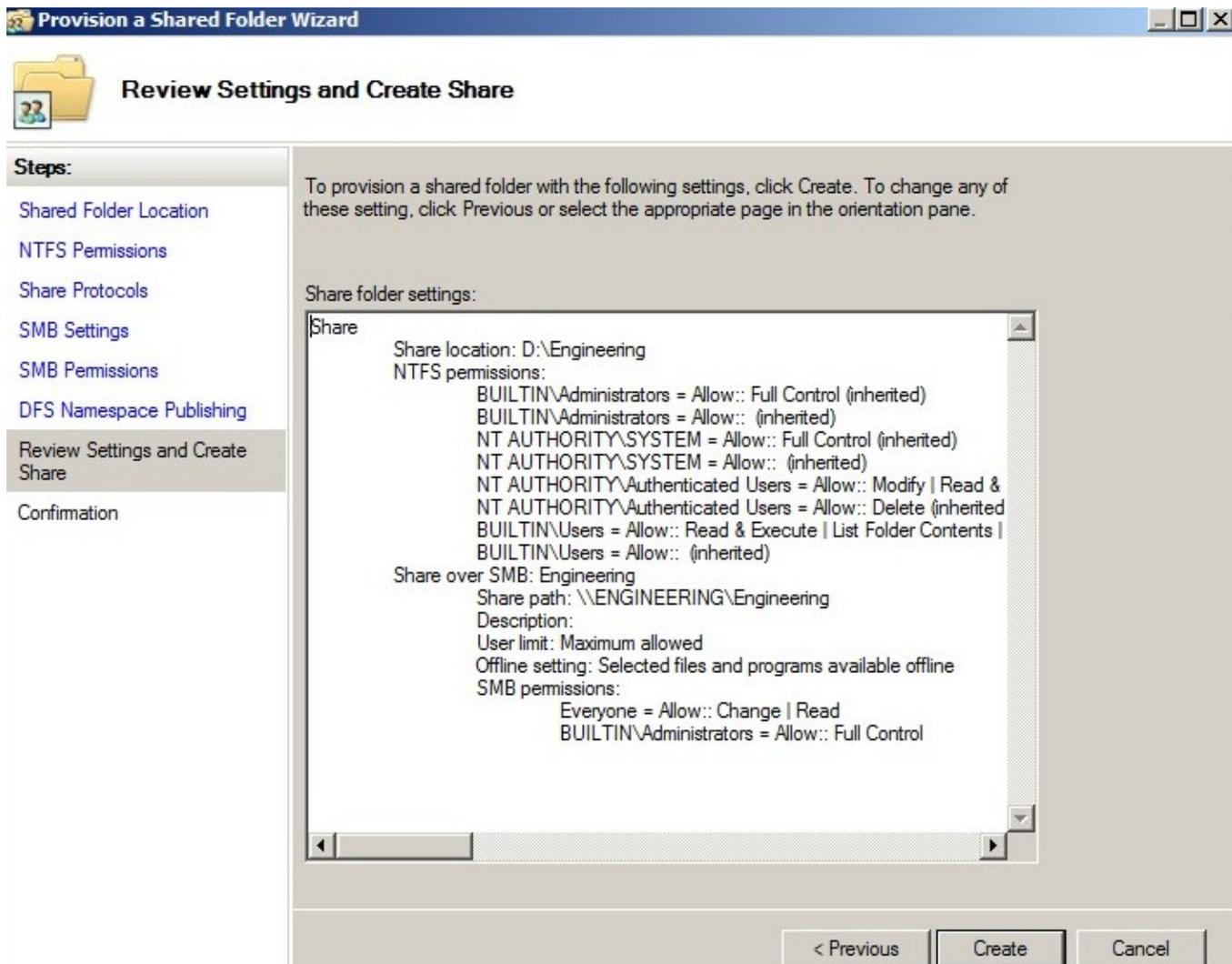
Preview of namespace path:

For more information about DFS Namespaces, see [Namespaces](#).

< Previous Next > Cancel

14 Click **Next**.

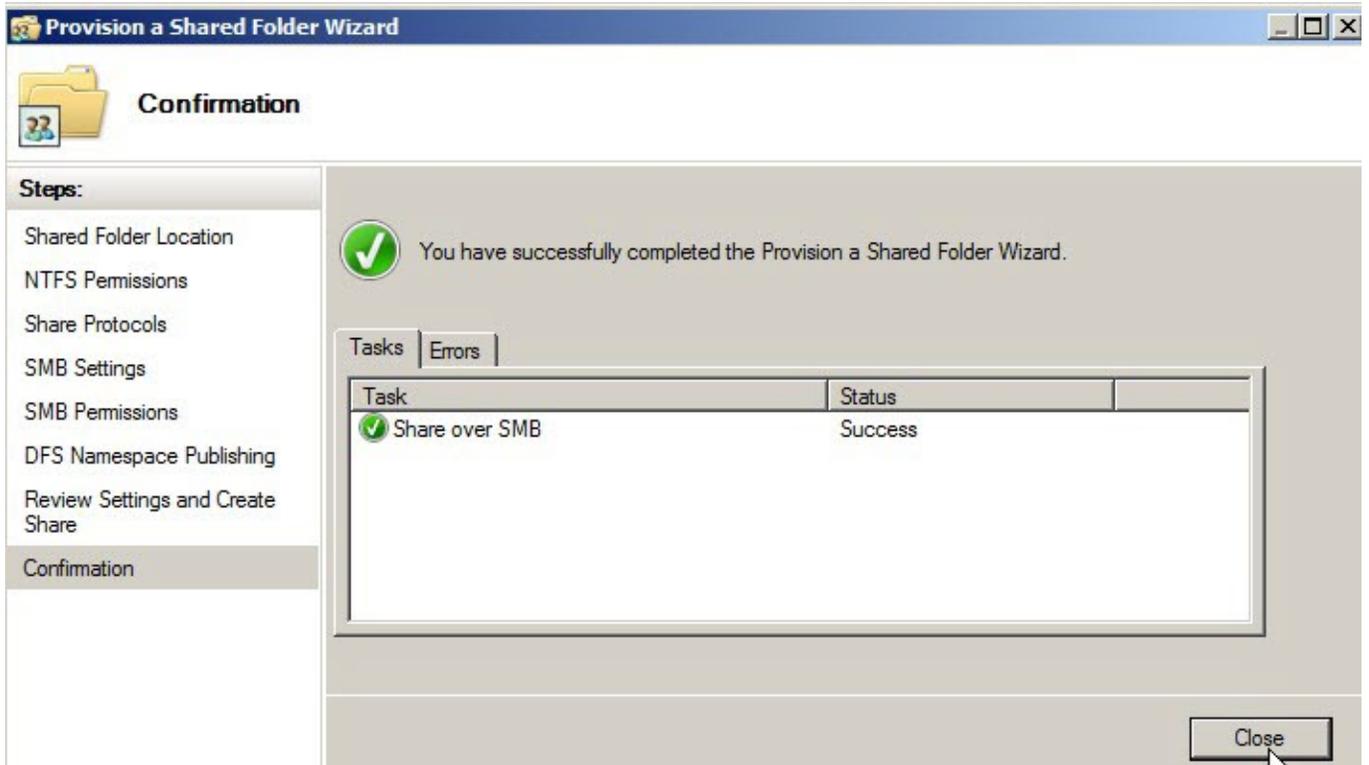
The Review Settings screen displays.



15 Review the settings. Click **Create**.

Note: if changes need to be made, click **< Previous** to return to the previous screens and make the necessary changes.

A message displays that you have successfully complete the Provision a Shared Folder Wizard.



16 Click Close.

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

Windows Storage Server 2008 R2 Standalone Storage

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



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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.