

Setting Up a Domain Controller

May 26, 2010

Start Menu

We begin setting up the print server by selecting the Start button and then picking Administrative Tools. Then we choose Manage Your Server.



Manage Your Server

In the Manage Your Server window, we choose the Add or remove a role hyperlink.

The screenshot displays the 'Manage Your Server' console window for a server named 'BRADFORD-YWGFOJ'. The main content area is titled 'Managing Your Server Roles' and provides instructions on how to add or remove roles. It lists three installed roles: File Server, DNS Server, and WINS Server. Each role has a set of administrative actions, such as 'Upgrade this role', 'Manage this file server', and 'Add shared folders'. A right-hand sidebar contains sections for 'Tools and Updates' and 'See Also', listing various administrative utilities and support resources.

Manage Your Server
Server: BRADFORD-YWGFOJ

Managing Your Server Roles
Use the tools and information found here to add or remove roles and perform your daily administrative tasks.

[Add or remove a role](#)

- Read about server roles
- Read about remote administration

Your server has been configured with the following roles:

File Server

File servers provide and manage access to files. Select Upgrade this role to install an updated File Server Management console, which adds new features such as Directory Quotas File Screening, Distributed File System (DFS).

- Upgrade this role
- Manage this file server
- Add shared folders
- Review the next steps for this role

DNS Server

DNS (Domain Name System) servers translate domain and computer DNS names to IP addresses.

- Manage this DNS server
- Review the next steps for this role

WINS Server

WINS (Windows Internet Name Service) servers translate computer and domain NetBIOS names to IP addresses.

- Manage this WINS server
- Review the next steps for this role

Tools and Updates

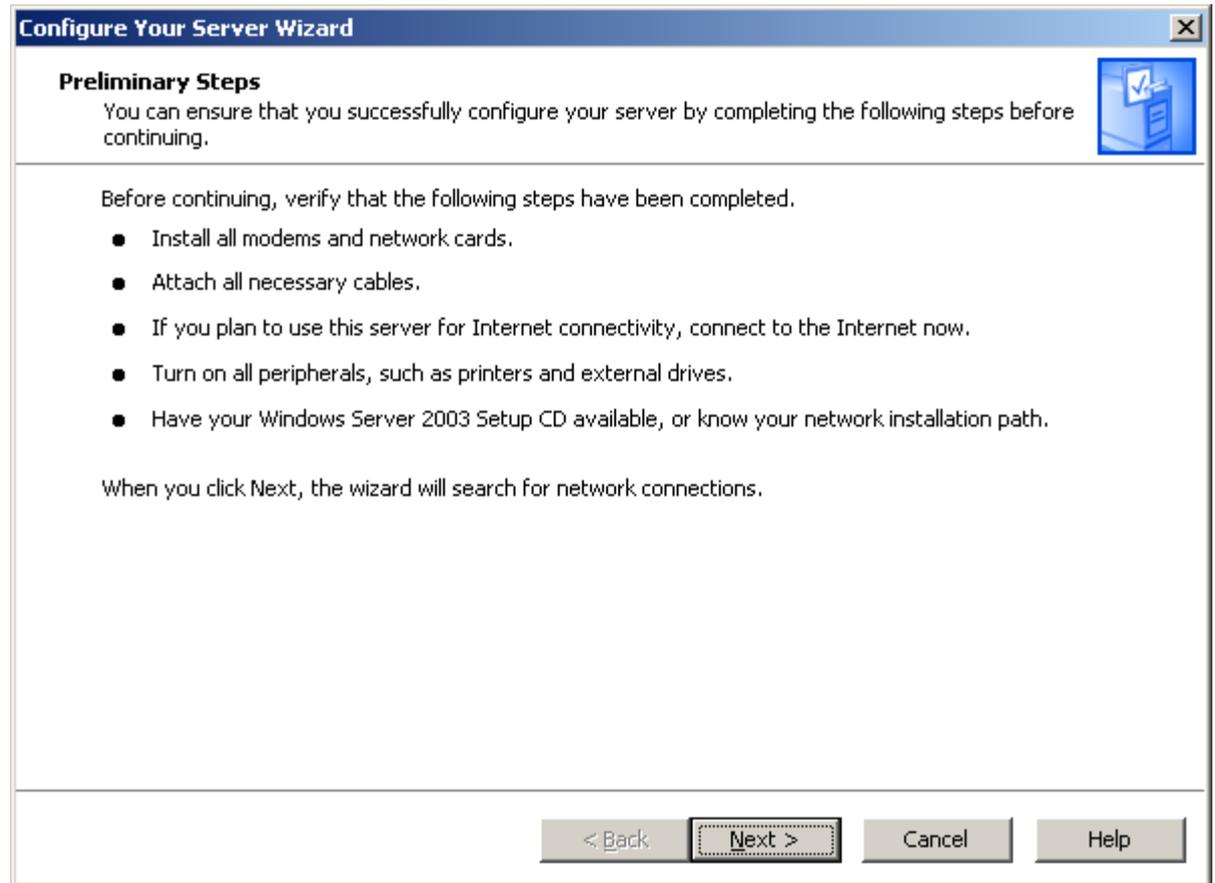
- Administrative Tools
- More Tools
- Windows Update
- Computer and Domain Name Information
- Internet Explorer Enhanced Security Configuration

See Also

- Help and Support
- Microsoft TechNet
- Deployment and Resource Kits
- List of Common Administrative Tasks
- Windows Server Communities
- What's New
- Strategic Technology Protection Program

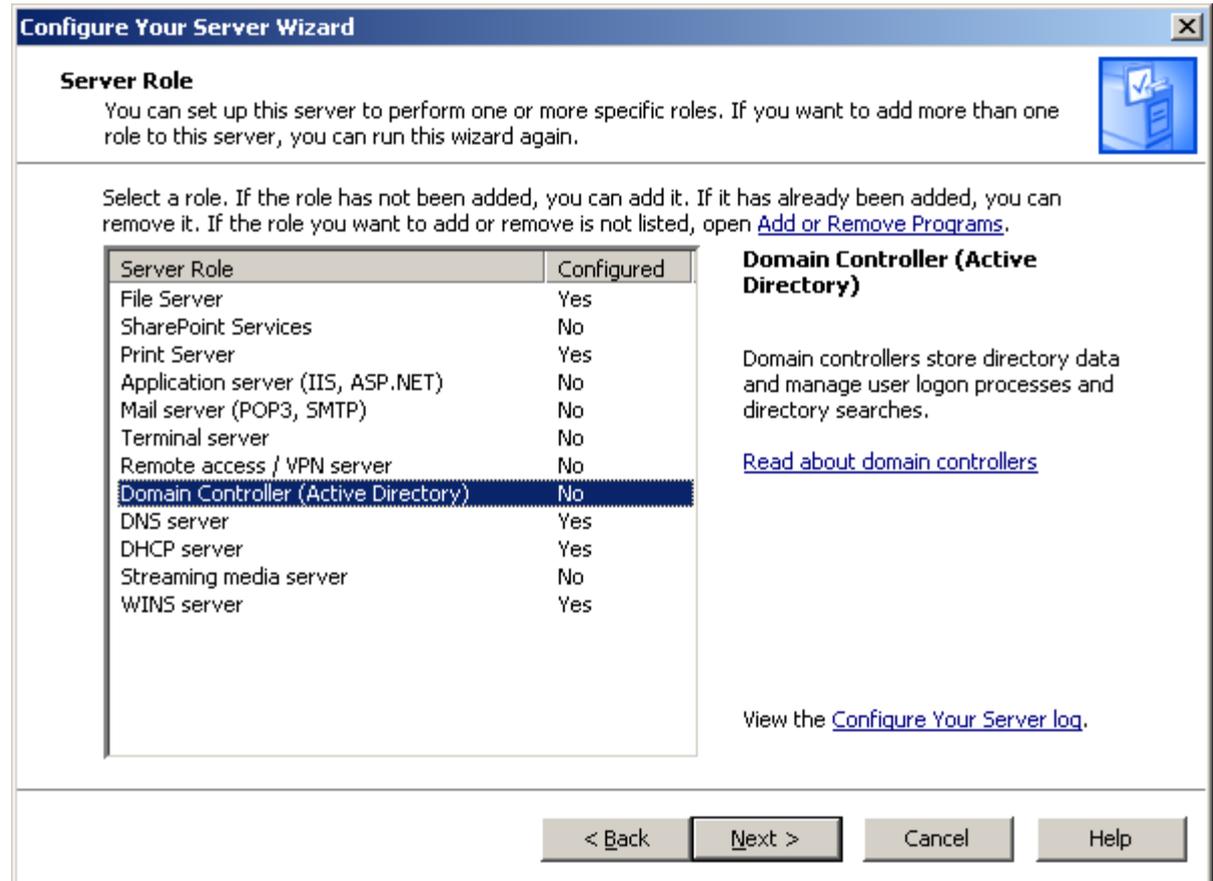
Configure Your Server Wizard

We press the Next button to continue to set up the print server.



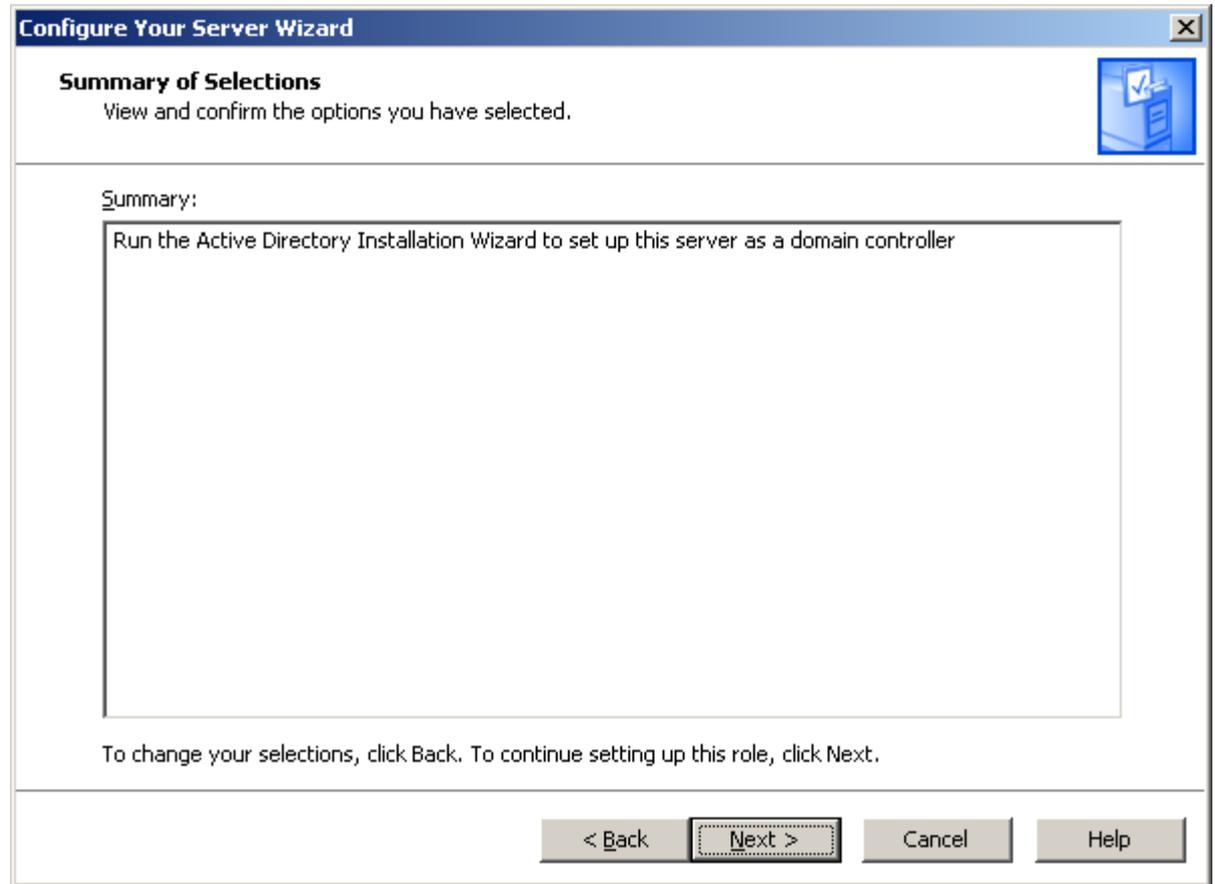
Picking the Server Role

We will pick Domain Controller or Active Directory for the server role. Active Directory was added as the domain controller with Windows Server 2000. We pick the Next button to continue.



Summary of Selections

We can see in this window that we will be running the Active Directory Installation Wizard. We will choose Next to proceed.



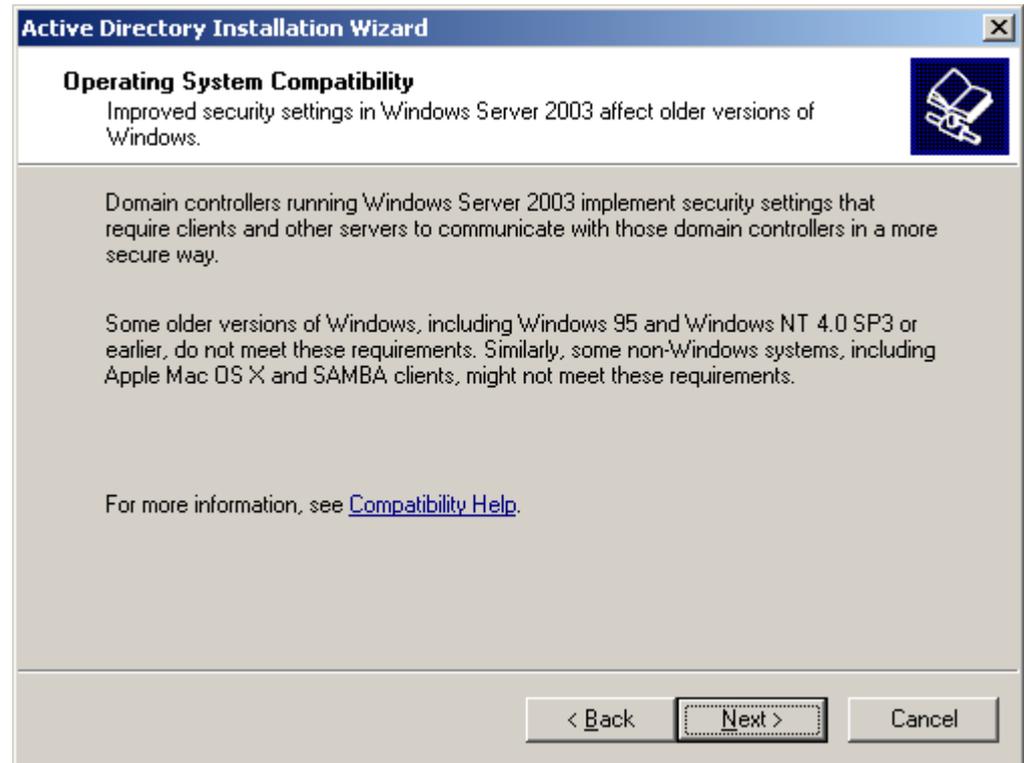
Active Directory Installation Wizard

We now will start the Active Directory Installation Wizard and we press the Next button to advance.



Operating System Compatibility

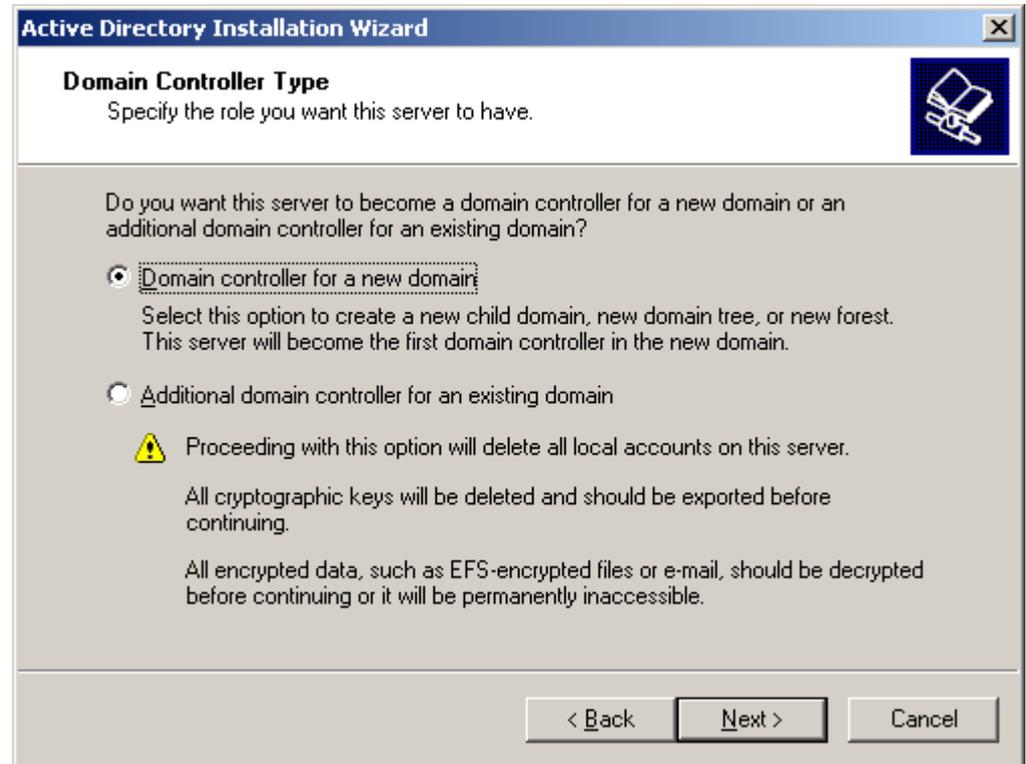
Next, we can read the operating system compatibility message. Windows 95 and NT version 4.0 SP3 or earlier are not compatible.



Domain Controller Type

We will select domain controller for a new domain. If this was going to be added to another existing domain, we would opt for the other choice.

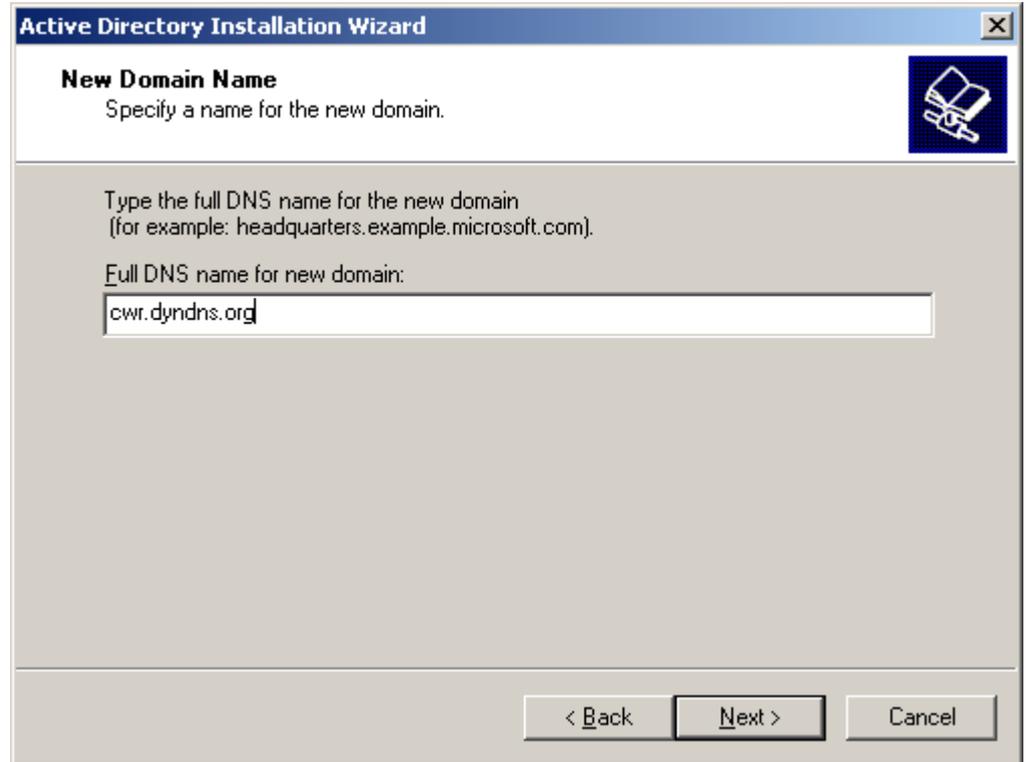
We press the Next button to continue.



New Domain Name

We use our full domain name that we registered with dyndns.org.

We select the Next button to proceed.



The screenshot shows a Windows dialog box titled "Active Directory Installation Wizard". The main heading is "New Domain Name" with the instruction "Specify a name for the new domain." Below this, it says "Type the full DNS name for the new domain (for example: headquarters.example.microsoft.com)." There is a text input field containing "cwr.dyndns.org". At the bottom, there are three buttons: "< Back", "Next >", and "Cancel".

Active Directory Installation Wizard

New Domain Name
Specify a name for the new domain.

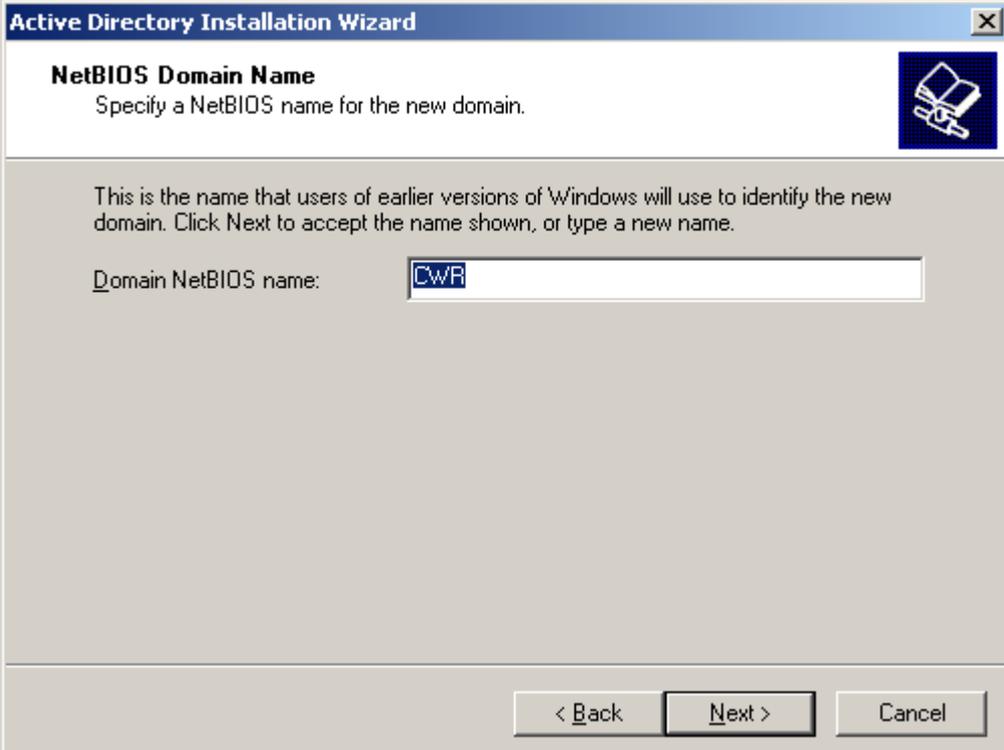
Type the full DNS name for the new domain
(for example: headquarters.example.microsoft.com).

Full DNS name for new domain:

< Back Next > Cancel

NetBIOS Domain Name

The NetBIOS name is between 1 and 15 characters. The system selected CWR which was the beginning of the fully qualified domain name. We select the Next command button to advance.



The screenshot shows a Windows dialog box titled "Active Directory Installation Wizard". The main heading is "NetBIOS Domain Name" with the instruction "Specify a NetBIOS name for the new domain." Below this, a text box contains the name "CWR". A descriptive paragraph states: "This is the name that users of earlier versions of Windows will use to identify the new domain. Click Next to accept the name shown, or type a new name." At the bottom, there are three buttons: "< Back", "Next >", and "Cancel".

Active Directory Installation Wizard

NetBIOS Domain Name
Specify a NetBIOS name for the new domain.

This is the name that users of earlier versions of Windows will use to identify the new domain. Click Next to accept the name shown, or type a new name.

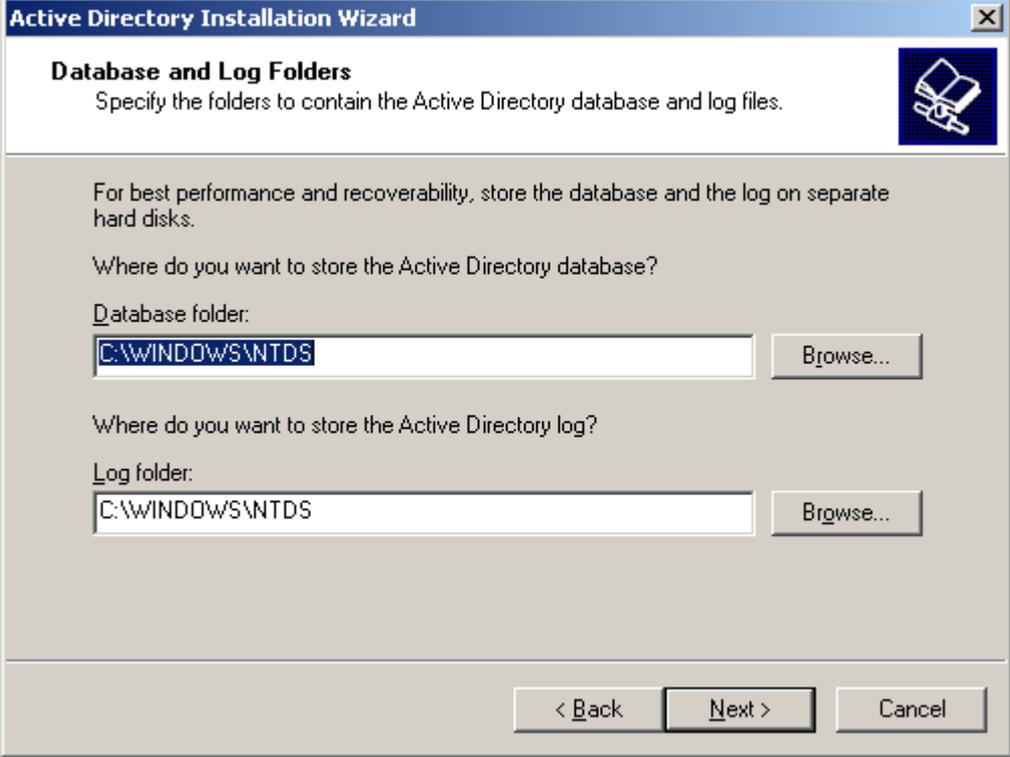
Domain NetBIOS name:

< Back Next > Cancel

Database and Log Folders

We typically choose the database and log folder defaults. However, we can direct the database and log files to another folder.

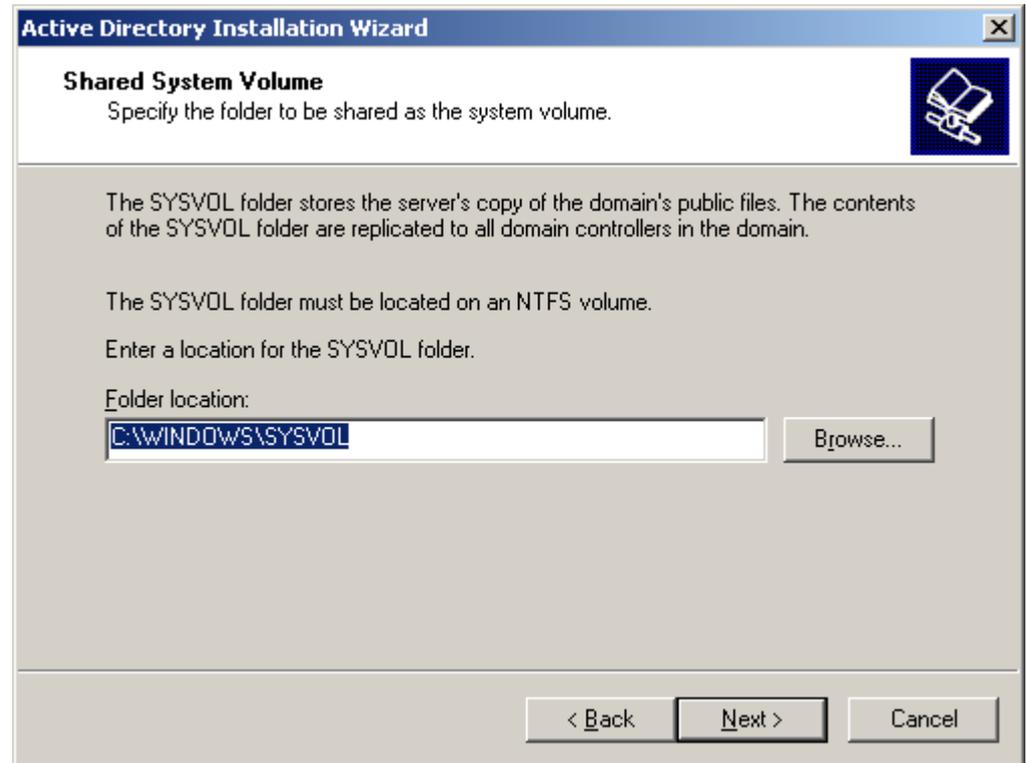
We pick the Next button to continue.



The screenshot shows a window titled "Active Directory Installation Wizard" with a close button in the top right corner. The main heading is "Database and Log Folders" with a sub-heading "Specify the folders to contain the Active Directory database and log files." and a small icon of a folder with a document. Below this, there is a note: "For best performance and recoverability, store the database and the log on separate hard disks." The first question is "Where do you want to store the Active Directory database?" followed by the label "Database folder:" and a text input field containing "C:\WINDOWS\NTDS" with a "Browse..." button to its right. The second question is "Where do you want to store the Active Directory log?" followed by the label "Log folder:" and a text input field containing "C:\WINDOWS\NTDS" with a "Browse..." button to its right. At the bottom of the window, there are three buttons: "< Back", "Next >", and "Cancel".

Shared System Volume

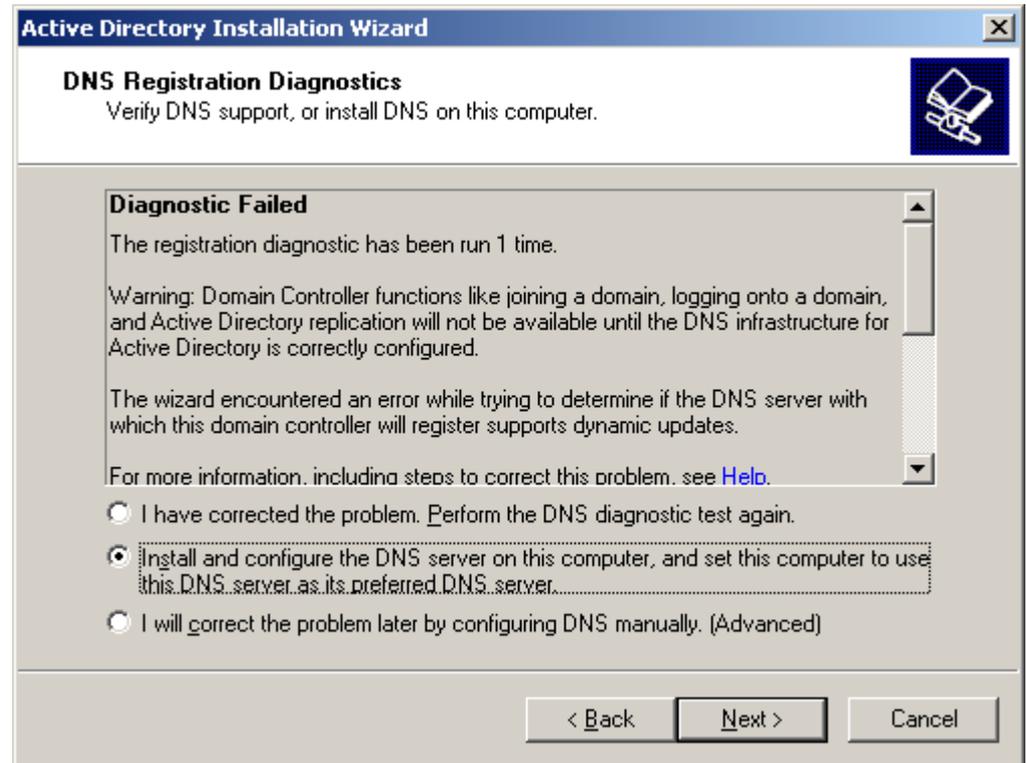
The next folder location is for the shared system volume. We will maintain the default path and pick the Next button to advance.



DNS Registration

This server is the DNS server with forwarders to DNS servers 8.8.8.8 and 8.8.4.4, so we choose to configure the DNS server for the domain controller.

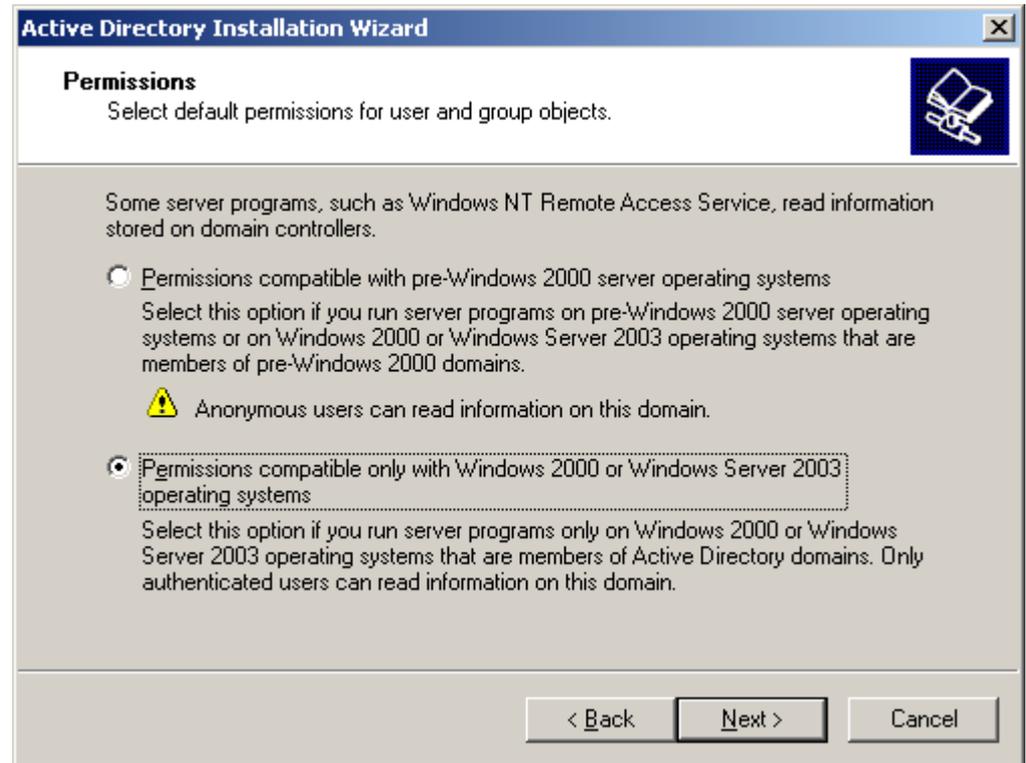
We select the Next button to carry on.



Permissions

Permissions will be attuned with Windows 2000 and 2003 operating systems.

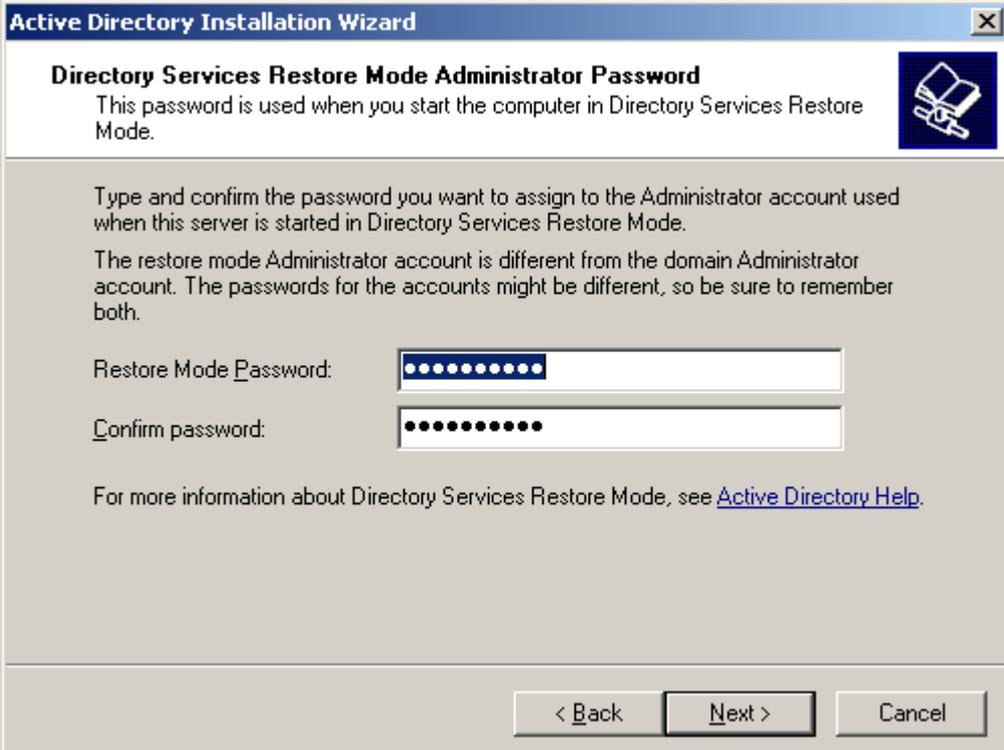
We choose the Next button to continue.



Administrative Password

We type and confirm the administrative password for the domain controller.

We opt for the Next button to proceed.



The screenshot shows a Windows dialog box titled "Active Directory Installation Wizard". The main heading is "Directory Services Restore Mode Administrator Password". Below the heading, there is a sub-heading and a paragraph: "This password is used when you start the computer in Directory Services Restore Mode." To the right of this text is a small icon of a computer monitor with a hand cursor. Below this, there is another paragraph: "Type and confirm the password you want to assign to the Administrator account used when this server is started in Directory Services Restore Mode. The restore mode Administrator account is different from the domain Administrator account. The passwords for the accounts might be different, so be sure to remember both." There are two text input fields: the first is labeled "Restore Mode Password:" and the second is labeled "Confirm password:". Both fields contain a series of dots, indicating that the password is masked. At the bottom of the dialog box, there are three buttons: "< Back", "Next >", and "Cancel".

Active Directory Installation Wizard

Directory Services Restore Mode Administrator Password
This password is used when you start the computer in Directory Services Restore Mode.

Type and confirm the password you want to assign to the Administrator account used when this server is started in Directory Services Restore Mode.
The restore mode Administrator account is different from the domain Administrator account. The passwords for the accounts might be different, so be sure to remember both.

Restore Mode Password:

Confirm password:

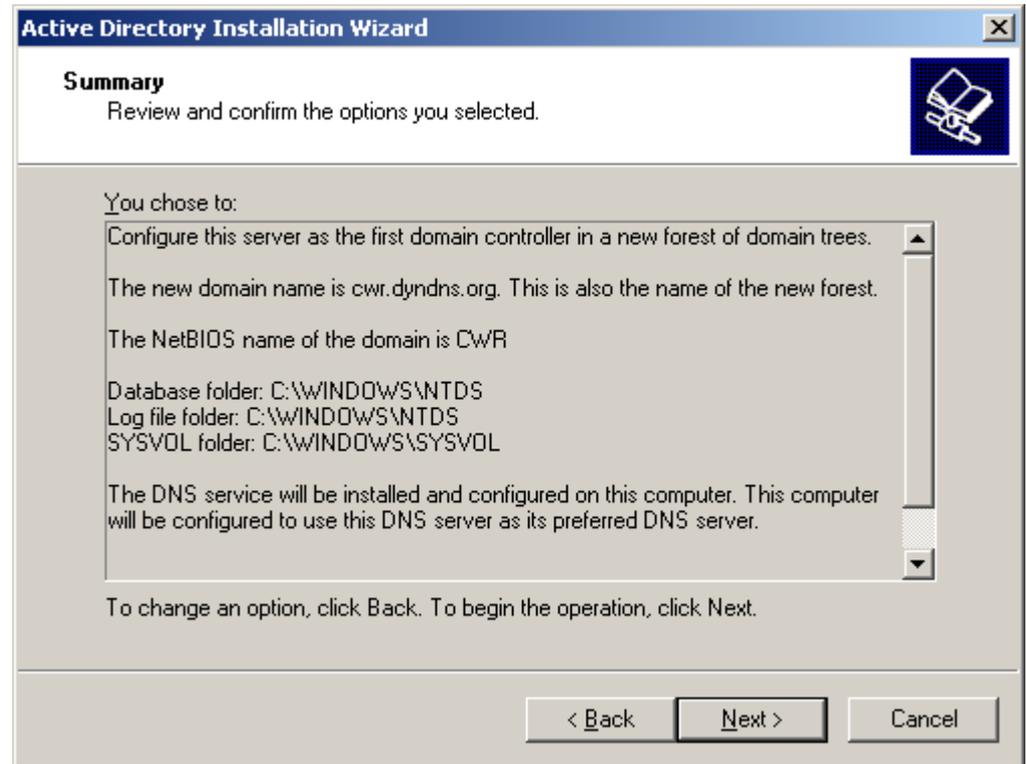
For more information about Directory Services Restore Mode, see [Active Directory Help](#).

< Back Next > Cancel

Summary

We now see a summary of the choices we made with the Active Directory Installation Wizard. If we need to change anything we can go back to the particular window and make the change and advance back to this point.

However, we agree with the summary and we press Next to continue.



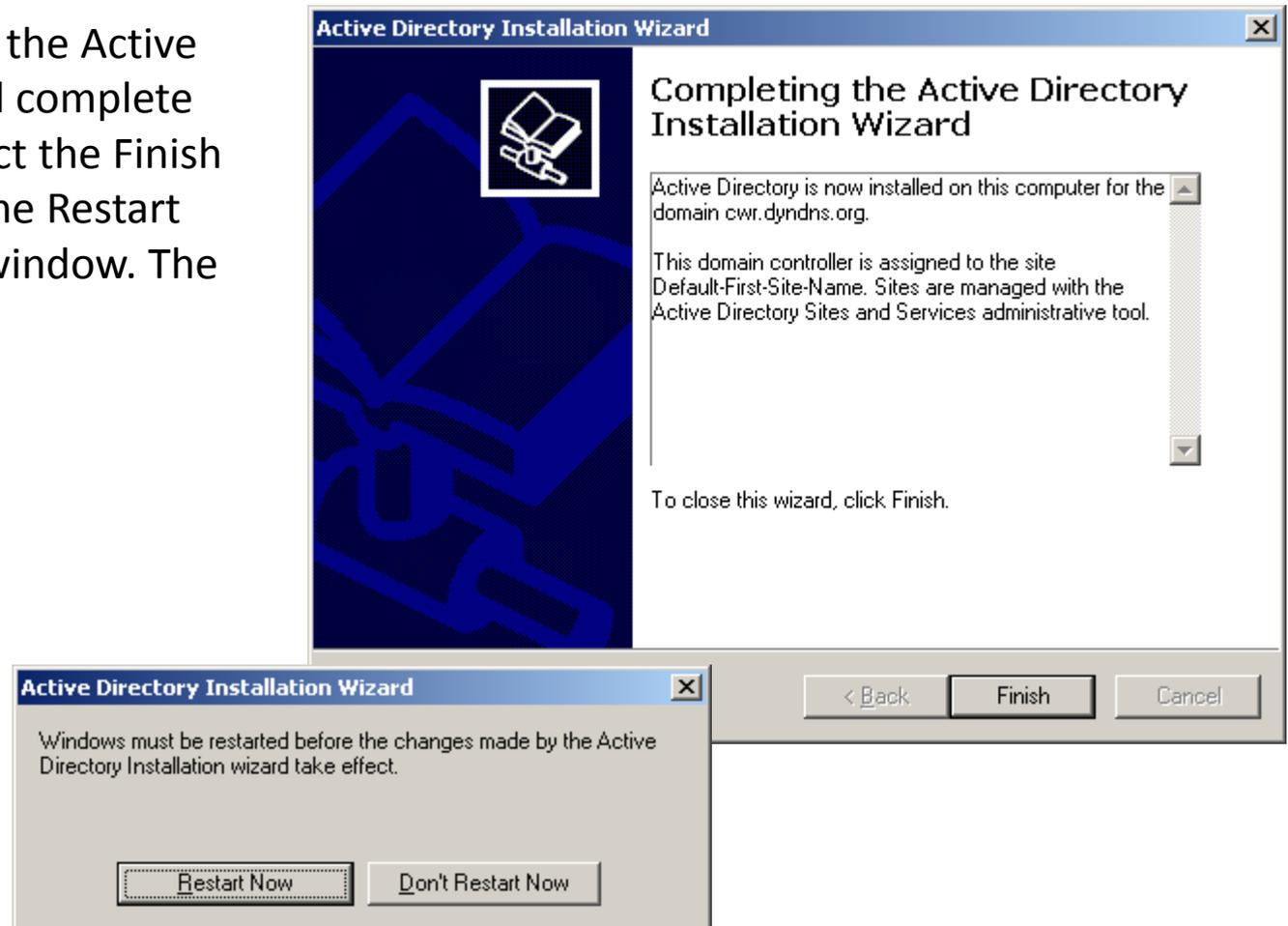
Loading Active Directory

Active Directory will take some time to load, so be patient.



Installation Complete and Restart

After a few minutes, the Active Directory Wizard will complete and we need to select the Finish button and opt for the Restart button on the next window. The server will restart.



Server is Now a Domain Controller

The server is now a Domain Controller. In other lessons, we will learn such tasks as how to connect to a domain, add users, build groups and setup domain security.

