

Setting Up the Domain Controller using the Typical Configurations

June 10, 2010

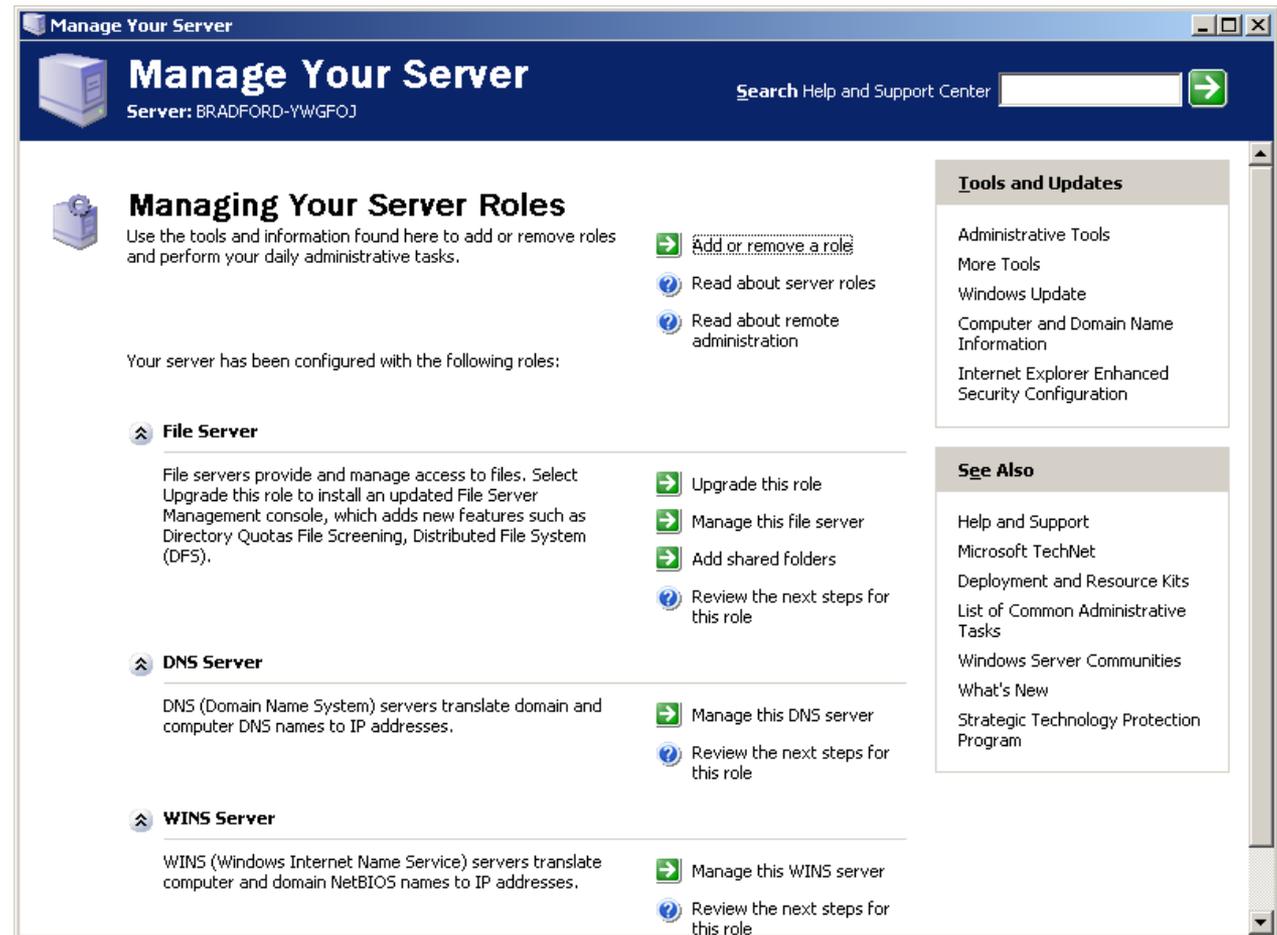
Start Menu

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 shows the 'Manage Your Server' window for server 'BRADFORD-YWGFOJ'. The main content area is titled 'Managing Your Server Roles' and provides instructions on how to add or remove roles. Below this, three server roles are listed: File Server, DNS Server, and WINS Server. Each role has a description and a list of management actions. On the right side, there are two panels: 'Tools and Updates' and 'See Also', both containing links to various administrative tools and 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

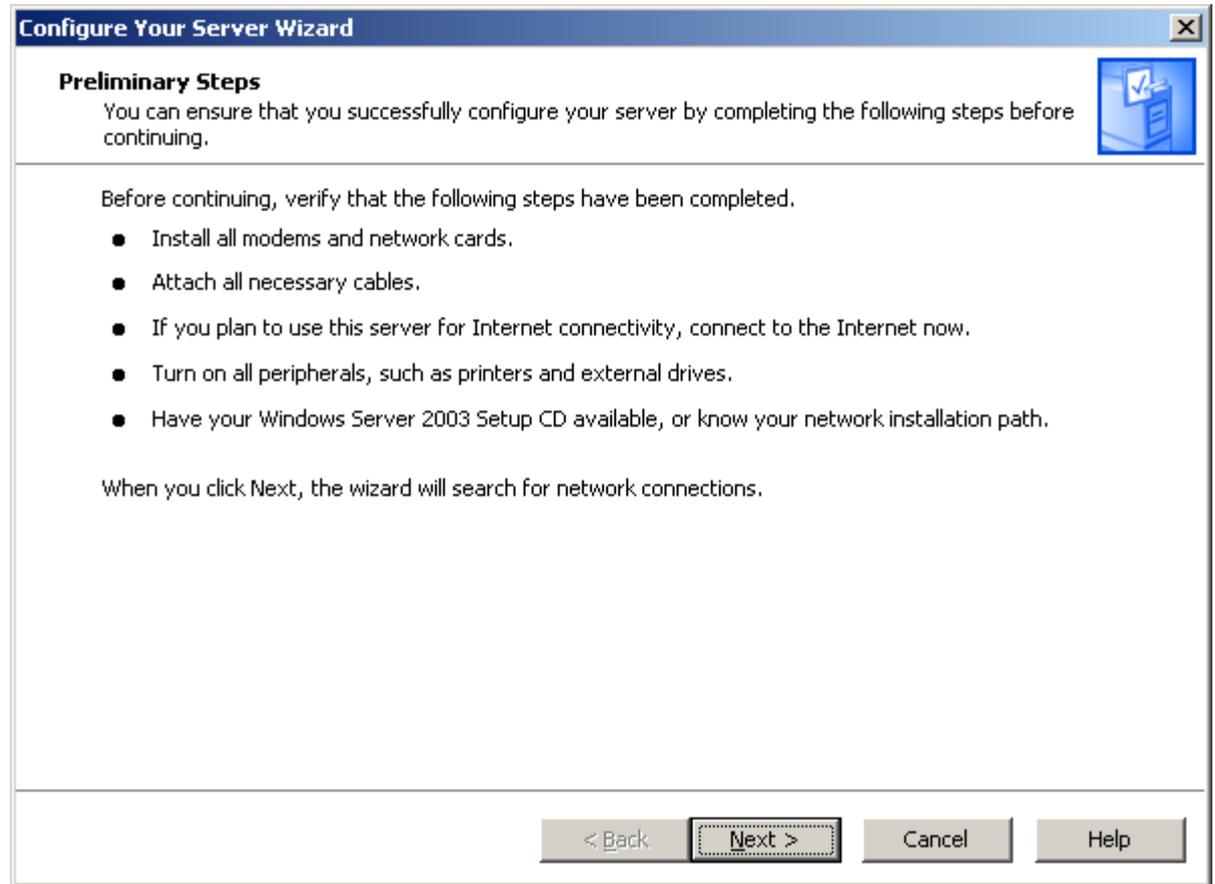
- Administrative Tools
- More Tools
- Windows Update
- Computer and Domain Name Information
- Internet Explorer Enhanced Security Configuration

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

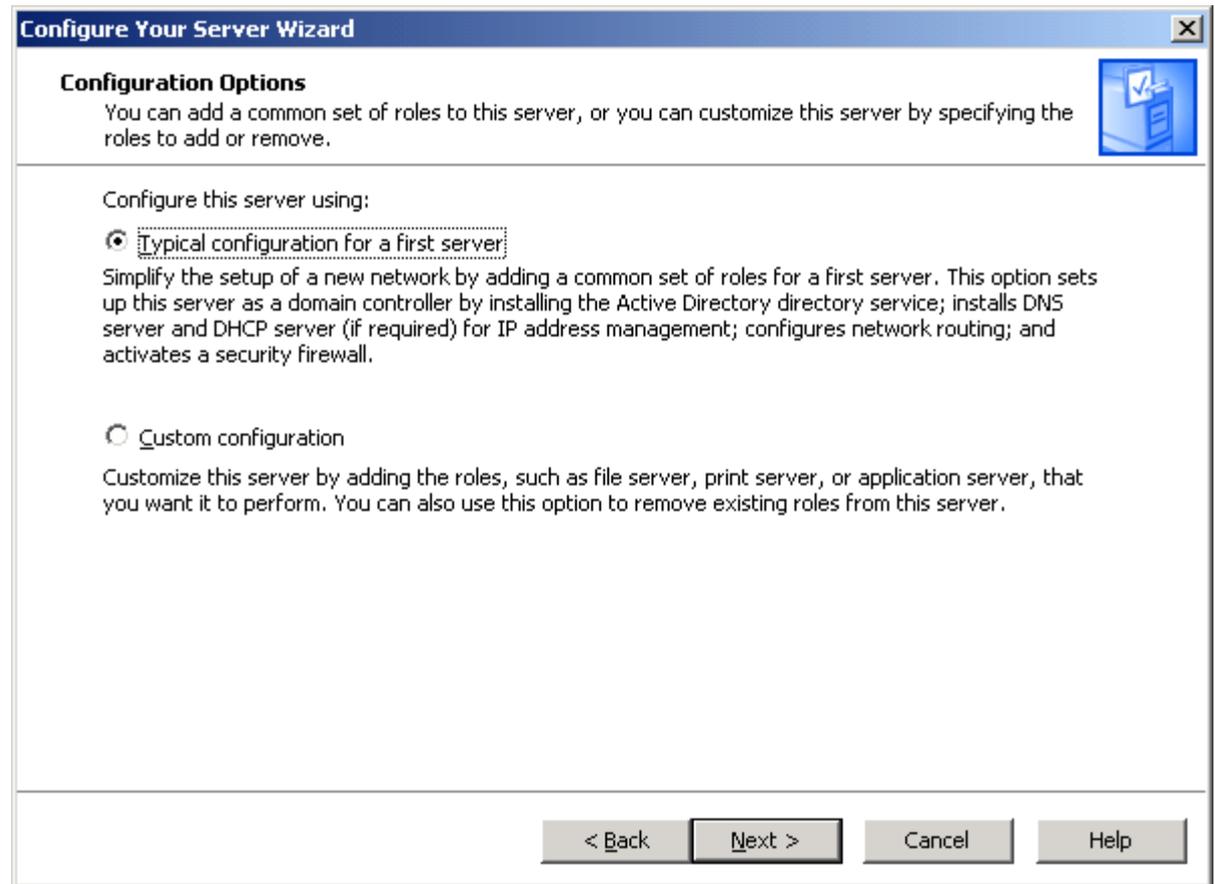
Configure Your Server Wizard

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



Picking the Server Role

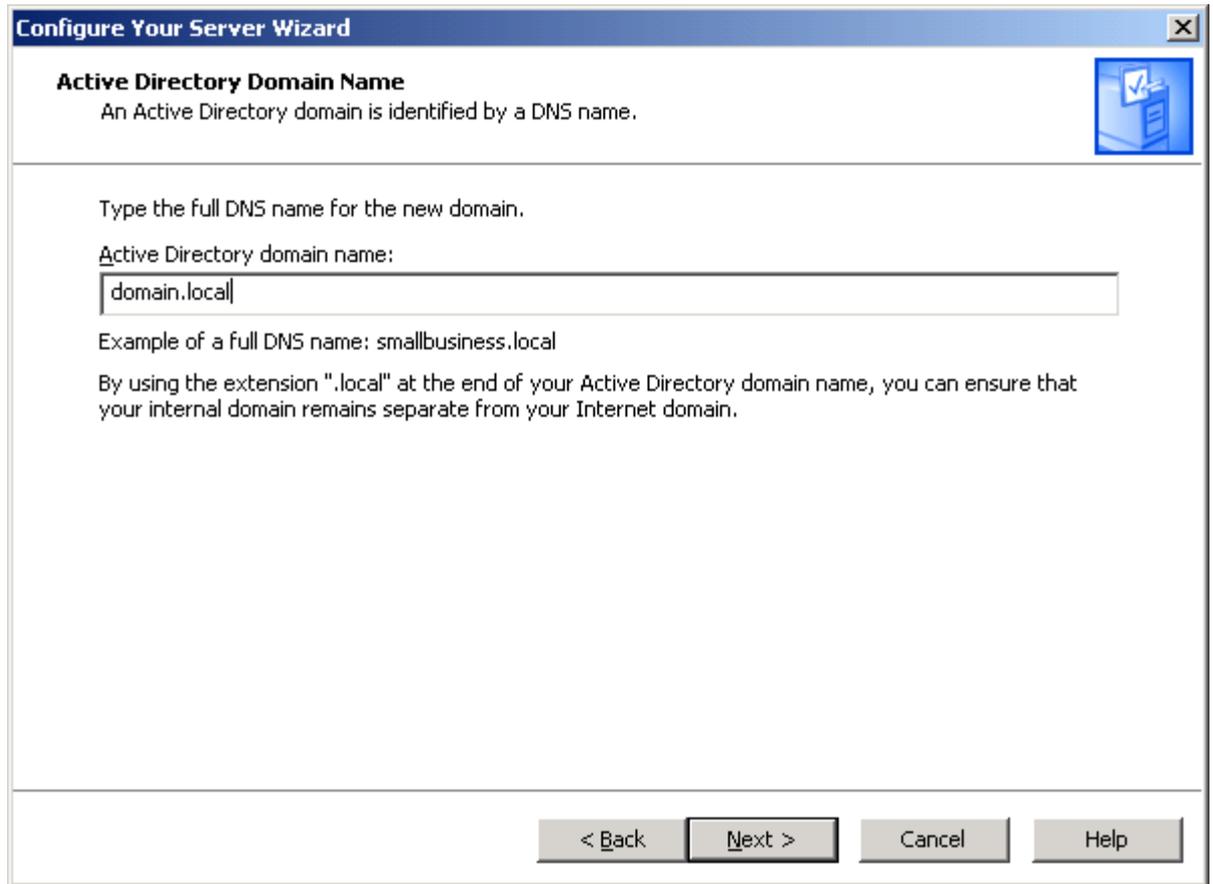
We will pick the typical configuration, which is loading Active Directory, setting up a DNS server, DHCP server and making the necessary firewall settings.



New Domain Name

We use our full domain name that we purchased. If we do not own a domain name, we will use a generic name called domain.local.

We select the Next button to proceed.



The screenshot shows a Windows dialog box titled "Configure Your Server Wizard". The main heading is "Active Directory Domain Name" with a sub-heading "An Active Directory domain is identified by a DNS name." Below this, there is a text input field labeled "Active Directory domain name:" containing the text "domain.local". An example of a full DNS name is provided: "smallbusiness.local". A note explains that using ".local" ensures the internal domain remains separate from the Internet domain. At the bottom, there are four buttons: "< Back", "Next >", "Cancel", and "Help".

Configure Your Server Wizard

Active Directory Domain Name
An Active Directory domain is identified by a DNS name.

Type the full DNS name for the new domain.

Active Directory domain name:

Example of a full DNS name: smallbusiness.local

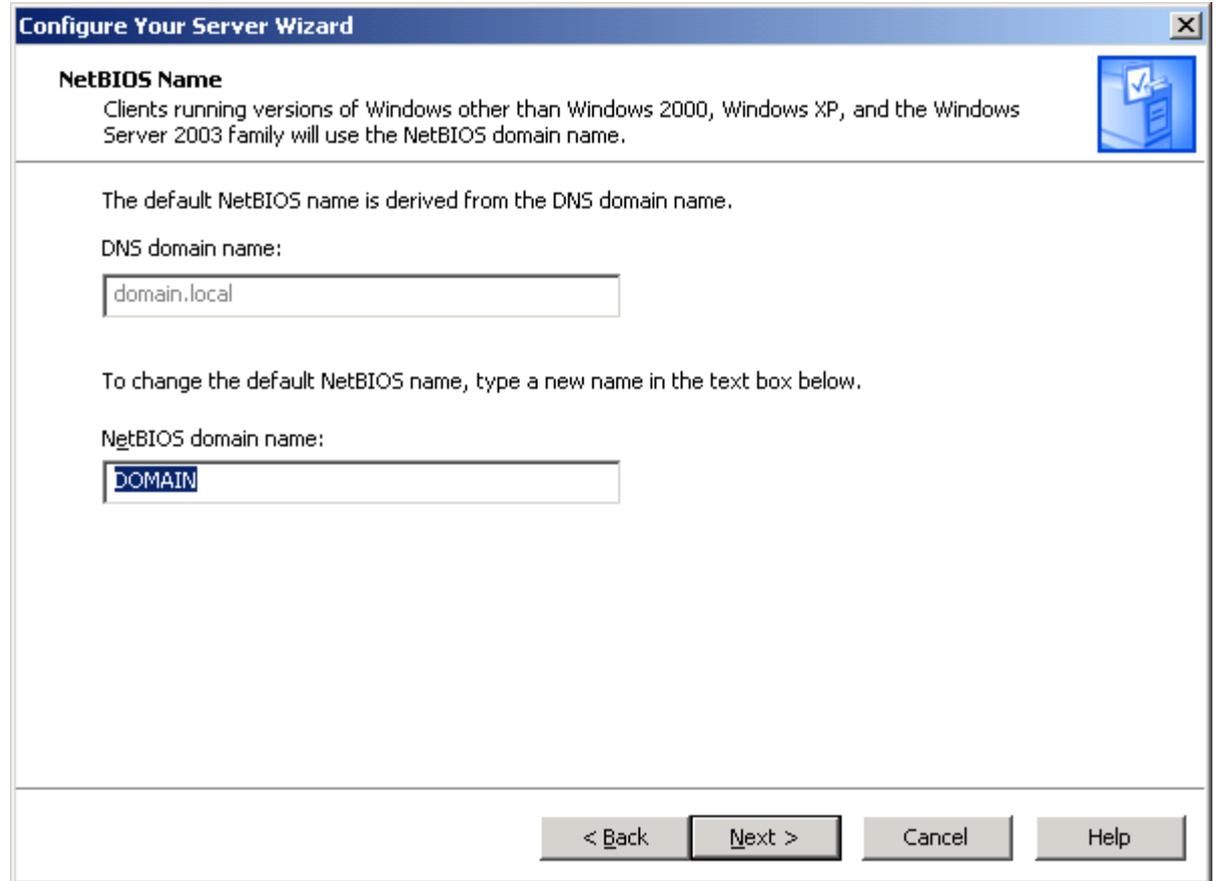
By using the extension ".local" at the end of your Active Directory domain name, you can ensure that your internal domain remains separate from your Internet domain.

< Back Next > Cancel Help

NetBIOS Name

The DNS name is domain.local and the NetBIOS name is DOMAIN.

We pick the Next button to continue.



The screenshot shows a Windows dialog box titled "Configure Your Server Wizard". The current step is "NetBIOS Name". The text in the dialog explains that clients of older Windows versions will use the NetBIOS domain name. It shows the "DNS domain name" as "domain.local" and the "NetBIOS domain name" as "DOMAIN". The "Next >" button is highlighted, indicating it is the recommended action.

Configure Your Server Wizard

NetBIOS Name
Clients running versions of Windows other than Windows 2000, Windows XP, and the Windows Server 2003 family will use the NetBIOS domain name.

The default NetBIOS name is derived from the DNS domain name.

DNS domain name:

To change the default NetBIOS name, type a new name in the text box below.

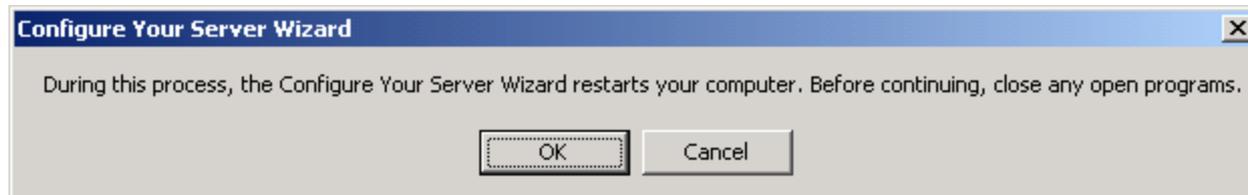
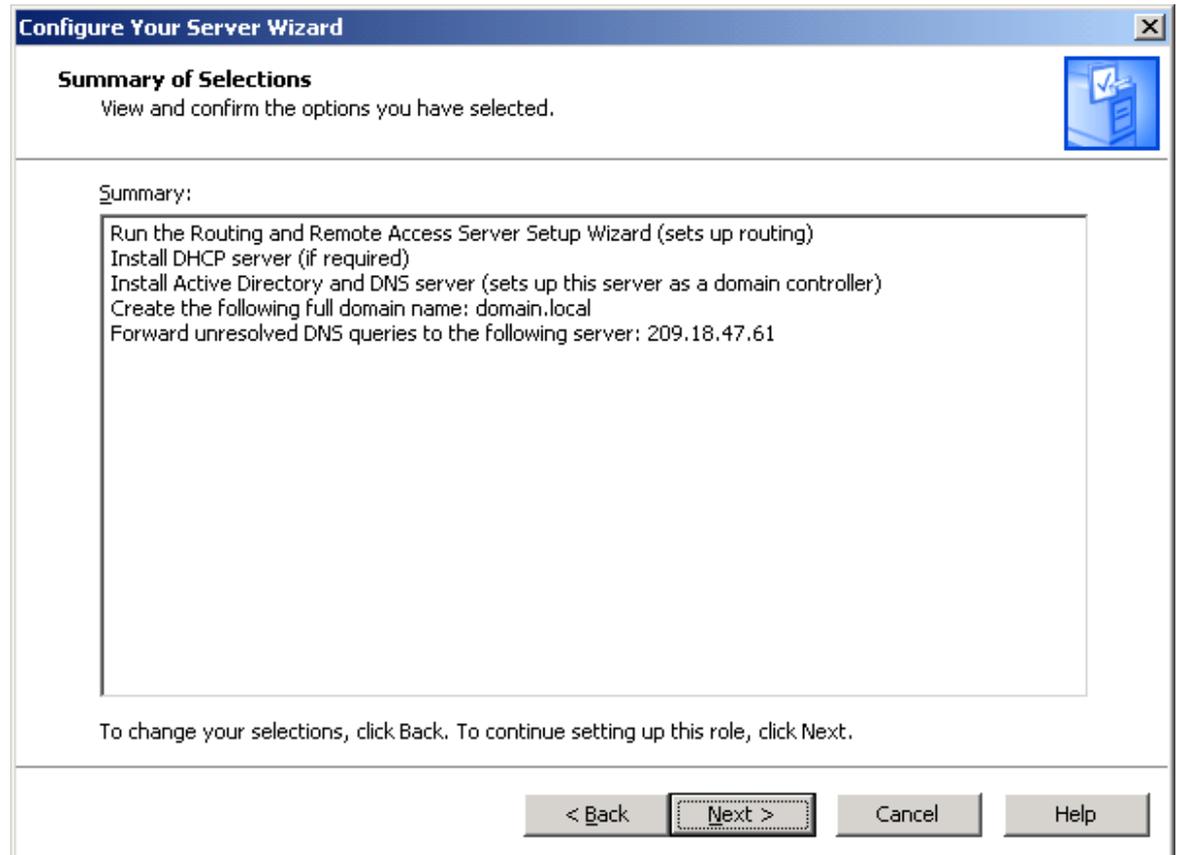
NetBIOS domain name:

< Back **Next >** Cancel Help

Summary of Selections

We now see a summary of the choices we made with the Configure your Server 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.

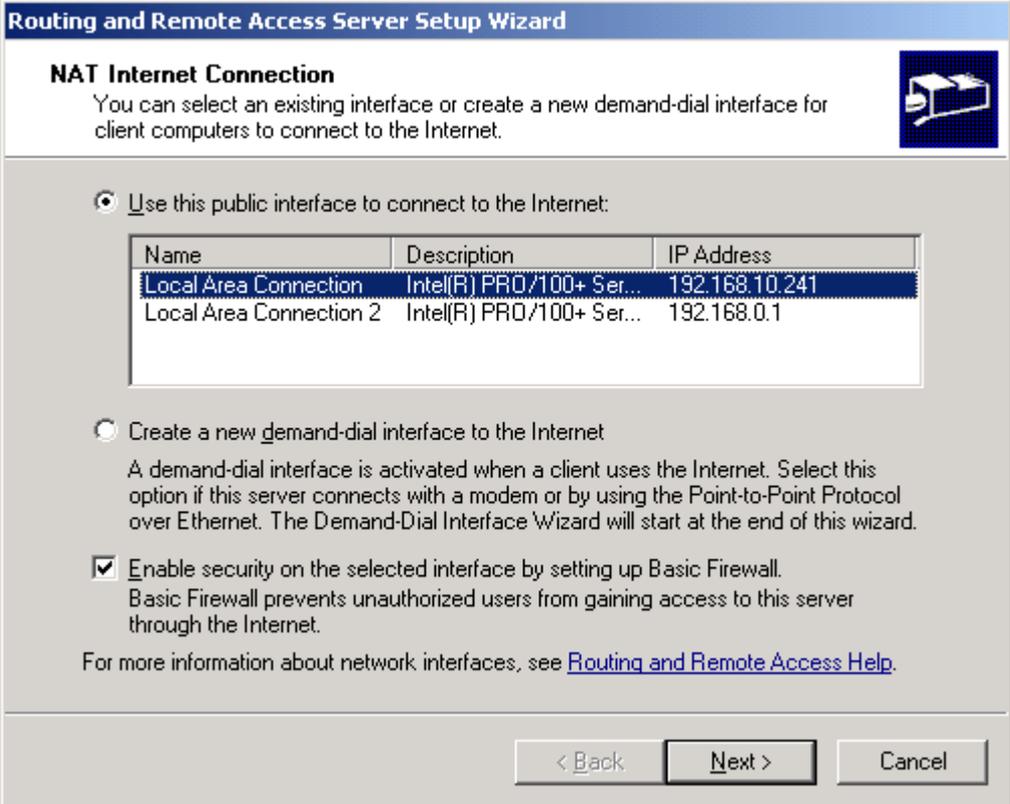
However, we agree with the summary and we press Next to continue. An alert message will appear telling us the server will restart during the process.



NAT Internet Connection

In this window, we should highlight the local area connection that attaches to the Internet.

We press the Next button to advance.



Routing and Remote Access Server Setup Wizard

NAT Internet Connection
You can select an existing interface or create a new demand-dial interface for client computers to connect to the Internet.

Use this public interface to connect to the Internet:

Name	Description	IP Address
Local Area Connection	Intel(R) PRO/100+ Ser...	192.168.10.241
Local Area Connection 2	Intel(R) PRO/100+ Ser...	192.168.0.1

Create a new demand-dial interface to the Internet
A demand-dial interface is activated when a client uses the Internet. Select this option if this server connects with a modem or by using the Point-to-Point Protocol over Ethernet. The Demand-Dial Interface Wizard will start at the end of this wizard.

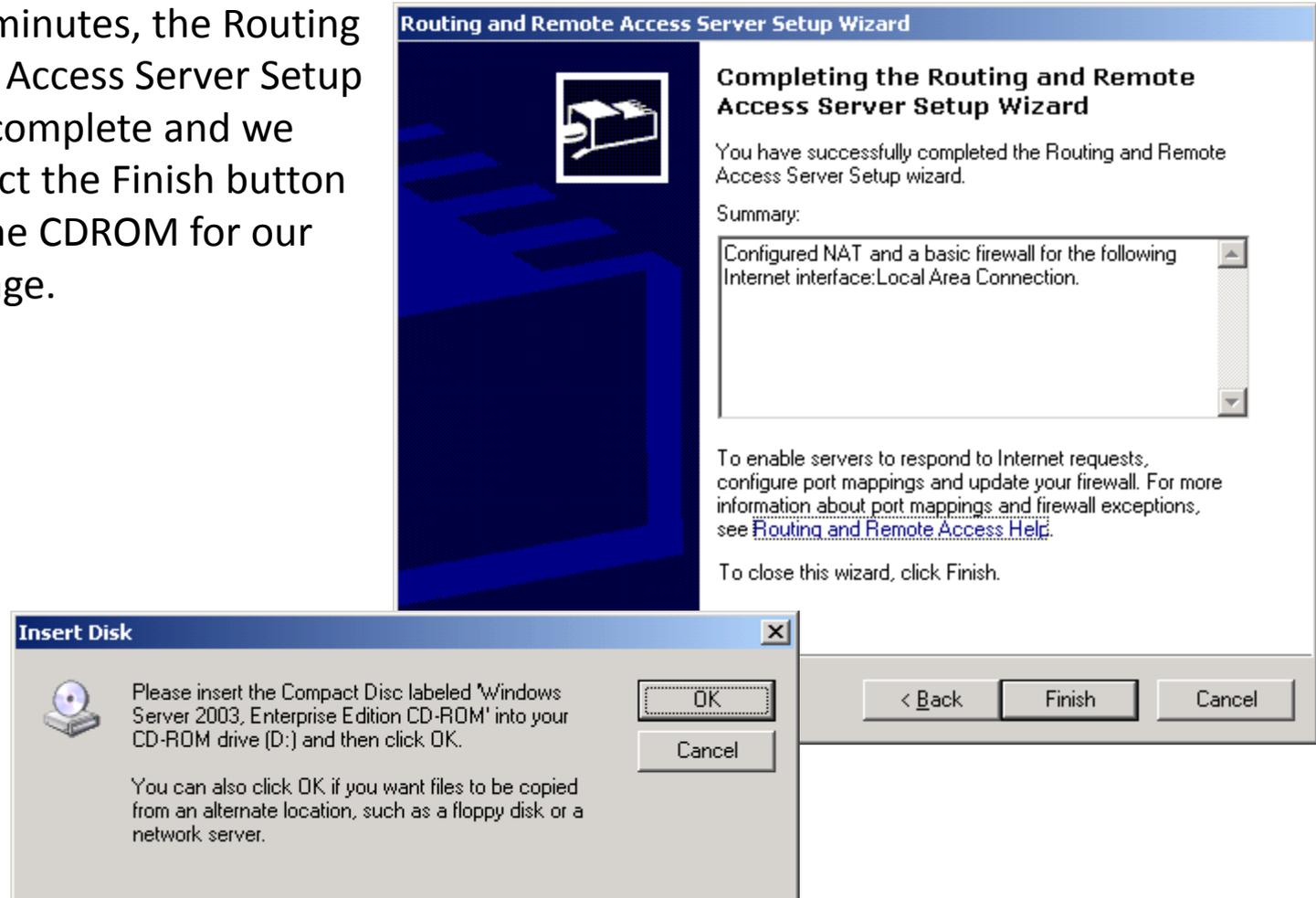
Enable security on the selected interface by setting up Basic Firewall.
Basic Firewall prevents unauthorized users from gaining access to this server through the Internet.

For more information about network interfaces, see [Routing and Remote Access Help](#).

< Back Next > Cancel

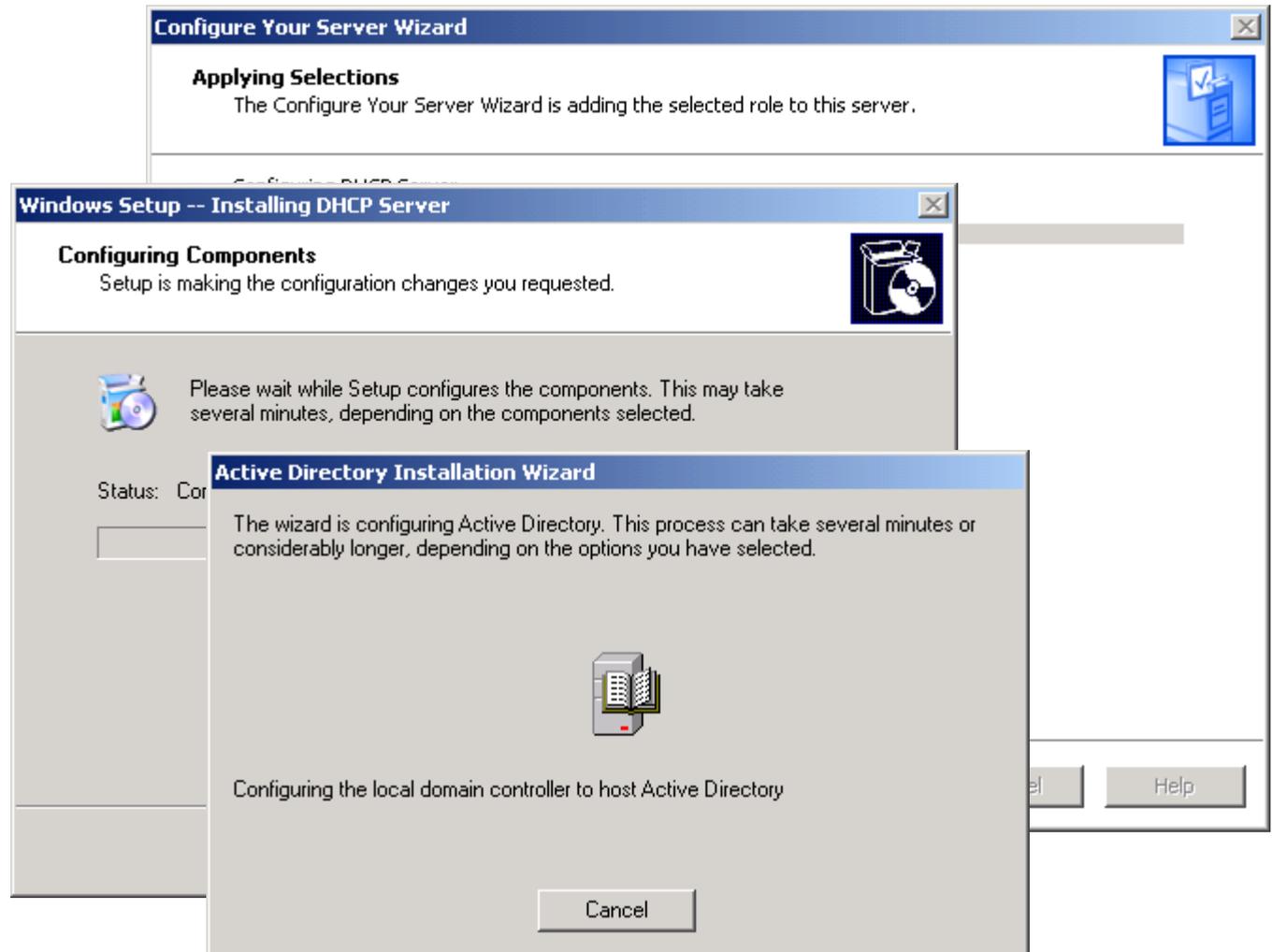
Completing the Routing and Remote Access Setup

After a few minutes, the Routing and Remote Access Server Setup Wizard will complete and we need to select the Finish button and insert the CDROM for our server package.



Configuring Components and Loading Active Directory

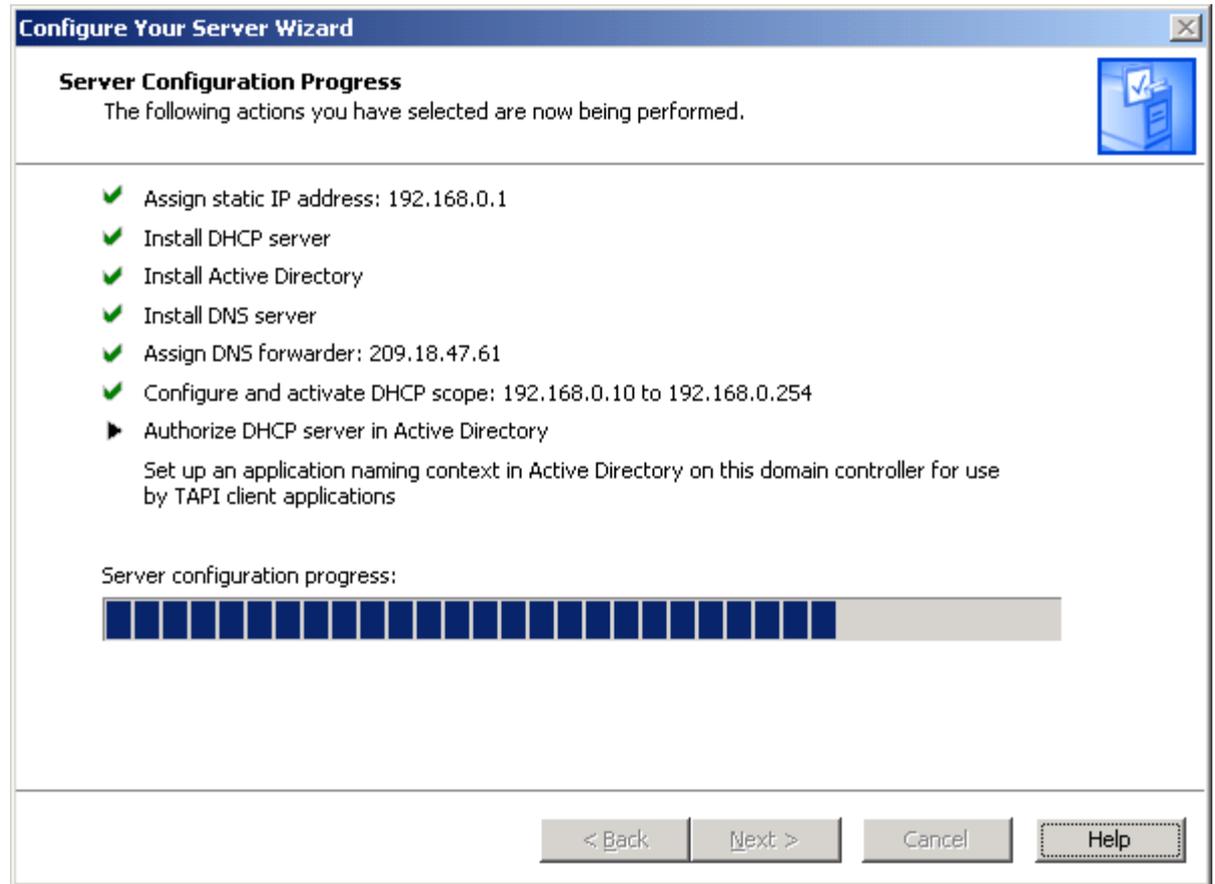
For the next several minutes, we will see several windows appear while the server configures components and loads Active Directory.



Server Configuration Progress

A window with a progress bar and checklist will show us the status of loading the types of services this domain controller will have.

When the list is 100% completed, the system 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.

