Setting Up the Domain Controller using the Typical Configurations

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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.

🛿 Manage	: Your Server			
	Manage Your Server	Search Help and Support Center		
	Managing Your Server Roles Use the tools and information found here to add or remove roles and perform your daily administrative tasks. Your server has been configured with the following roles:	 Add or remove a role Read about server roles Read about remote administration 	Image: Tools and Updates Administrative Tools More Tools Windows Update Computer and Domain Name Information Internet Explorer Enhanced Security Configuration	
	 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). DNS Server 	 Upgrade this role Manage this file server Add shared folders Review the next steps for this role 	See Also Help and Support Microsoft TechNet Deployment and Resource Kits List of Common Administrative Tasks Windows Server Communities	
	DNS (Domain Name System) servers translate domain and computer DNS names to IP addresses.	 Manage this DN5 server Review the next steps for this role 	What's New Strategic Technology Protection Program	
	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 	_	

Configure Your Server Wizard

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

Configure Your Server Wizard

Preliminary Steps

You can ensure that you successfully configure your server by completing the following steps before continuing.



Before continuing, verify that the following steps have been completed.

- Install all modems and network cards.
- Attach all necessary cables.
- If you plan to use this server for Internet connectivity, connect to the Internet now.
- Turn on all peripherals, such as printers and external drives.
- Have your Windows Server 2003 Setup CD available, or know your network installation path.

When you click Next, the wizard will search for network connections.

< Back	Cancel Help

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.

Configure Your Server Wizard

Configuration Options

You can add a common set of roles to this server, or you can customize this server by specifying the roles to add or remove.



X

Configure this server using:

Typical configuration for a first server

Simplify the setup of a new network by adding a common set of roles for a first server. This option sets up this server as a domain controller by installing the Active Directory directory service; installs DNS server and DHCP server (if required) for IP address management; configures network routing; and activates a security firewall.

○ <u>C</u>ustom configuration

Customize this server by adding the roles, such as file server, print server, or application server, that you want it to perform. You can also use this option to remove existing roles from this server.

< <u>B</u> ack	Next >	Cancel	Help

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.

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:	
domain.local	
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.	
< <u>B</u> ack <u>N</u> ext > Cancel Help	

NetBIOS Name

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

We pick the Next button to continue.

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.	1 Alexandre
The default NetBIOS name is derived from the DNS domain name.	
DNS domain name:	
domain.local	
To change the default NetBIOS name, type a new name in the text box below. N <u>e</u> tBIOS domain name: DOMAIN	
< Back Next > Cancel	Help 1

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.

Configure Your Server Wizard	×
Summary of Selections View and confirm the options you have selected.	No.
Summary:	
Run the Routing and Remote Access Server Setup Wizard (sets up routing) Install DHCP server (if required) Install Active Directory and DNS server (sets up this server as a domain controller) Create the following full domain name: domain.local Forward unresolved DNS queries to the following server: 209.18.47.61	
To change your selections, click Back. To continue setting up this role, click Next.	
< <u>B</u> ack (<u>Next</u> >) Cancel	Help

×

Configure Your Server Wizard

During this process, the Configure Your Server Wizard restarts your computer. Before continuing, close any open programs.



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

C 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.



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.

Insert Di

s, the Routing	Routing and Remote Access	Server Setup Wizard
Server Setup		Completing the Routing and Remote Access Server Setup Wizard
Finish button		You have successfully completed the Routing and Remote Access Server Setup wizard.
ONA for our		Summary:
UNITOT OUT		Configured NAT and a basic firewall for the following Internet interface:Local Area Connection.
k		×
Please insert the Compact Disc Server 2003, Enterprise Edition CD-ROM drive (D:) and then o You can also click OK if you w from an alternate location, suc network server.	c labeled 'Windows n CD-ROM' into your dick OK. Ca vant files to be copied h as a floppy disk or a	JK <u>Rack Finish</u> Cancel

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 The	Configuration Progress following actions you have selected are now being performed.	No.
~	Assign static IP address: 192.168.0.1	
~	Install DHCP server	
~	Install Active Directory	
~	Install DNS server	
	Assign DNS forwarder: 209.18.47.61	
~	Configure and activate DHCP scope: 192.168.0.10 to 192.168.0.254	
►	Authorize DHCP server in Active Directory	
	Set up an application naming context in Active Directory on this domain controller for use by TAPI client applications	
Ser	ver configuration progress:	

Next >

Cancel

Help

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.

