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LAB 2 Setting up the DC

In this lab we configure our first Windows 2008 server and setup an Active Directory Forest and Domain. Notice that we will be disabling IPV6 for our labs. Also notice that we need to add the AD DS role before we have access to DCPROMO

Windows Firewall	http://technet.microsoft.com/en-us/network/bb545423.aspx
DNS	http://technet.microsoft.com/en-us/network/bb629410.aspx
IPV6	http://technet.microsoft.com/en-us/network/bb530961.aspx
Next Generation TCP/IP Stack	http://technet.microsoft.com/en-us/network/bb545475.aspx
Active Directory Domain Services	http://technet.microsoft.com/en-us/library/cc534991.aspx



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Setting up the Domain Controller – Initial configuration							
Change the password	<ol style="list-style-type: none"> Click the OK button Type in Pa\$\$w0rd and press tab. Type in Pa\$\$w0rd and press OK. 						
Change the time zone	<ol style="list-style-type: none"> Click on Set time zone in the initial configuration tasks screen Click on the Change time zone button Choose your time zone and click on OK And then OK again to close the time zone window 						
Setup IPv4 Networking IP address: 10.10.0.10 Subnet mask: 255.255.0.0 Default GW: 10.10.0.1 DNS Server: 10.10.0.10	<ol style="list-style-type: none"> Click on Configure networking in the initial configuration tasks screen Right click on Local Area Connection and choose properties. Uncheck the box in front of Internet Protocol Version 6 (TCP/IPv6) Select Internet Protocol Version 4 (TCP/IPv4) and click the properties button. On the General Tab place a dot in Use the following IP address. <p style="margin-left: 40px;">Enter</p> <table style="margin-left: 80px;"> <tr> <td>IP Address :</td> <td>10.10.0.10</td> </tr> <tr> <td>Subnet mask:</td> <td>255.255.0.0</td> </tr> <tr> <td>Default gateway:</td> <td>10.10.0.1</td> </tr> </table> Place a dot in Use the following DNS server addresses: Enter 10.10.0.10 for the Preferred DNS server Click on the OK button Click on Close, to close the Local Area Connections properties window. 	IP Address :	10.10.0.10	Subnet mask:	255.255.0.0	Default gateway:	10.10.0.1
IP Address :	10.10.0.10						
Subnet mask:	255.255.0.0						
Default gateway:	10.10.0.1						

We will be installing DNS on this machine. A DNS server should point to itself as primary

Necessary for later



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	<ul style="list-style-type: none"> i. Choose the X in the upper right hand corner to close the network connections window
Change the server name	<ul style="list-style-type: none"> a. Click on Provide computer name and domain. b. On the system properties screen, Computer name tab click the Change button c. In the Computer Name text box Type WSUG-DC01 and click on OK. d. Click OK on the “you must restart” message. e. Click Close to close the System properties window. f. Click Restart Now to apply the changes.
Log in	<ul style="list-style-type: none"> a. Press CTRL-ALT-DEL b. Type in Pa\$\$w0rd and press OK.
Enable Automatic updating and feedback	<ul style="list-style-type: none"> c. Click on Enable automatic updating and feedback d. Choose Manually configure settings e. In the Windows automatic updating section Click on Change setting... f. Place a dot in front of Choose Install updates automatically g. Place a checkmark in front of Include recommended updates.... h. Click on OK to close this window, and then Close to close the update window.



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<p>Enable Remote Desktop.</p>	<ul style="list-style-type: none">d. In the Initial Configuration Tasks window, under Customize This Server, click Enable Remote Desktop. The System Properties dialog box appears.e. On the Remote tab of the System Properties dialog box, in the Remote Desktop area, click Allow connections from computers running any version of Remote Desktop (less secure). The Remote Desktop message box appears.f. In the Remote Desktop message box, click OK.g. In the System Properties dialog box, click OK.
<p>Configure the Windows Firewall</p>	<ul style="list-style-type: none">a. In the Initial Configuration Tasks window, under Customize This Server, click Configure Windows Firewall. The Windows Firewall dialog box appears.b. In the Windows Firewall dialog box, under Your computer is not protected: turn on Windows Firewall, click Change settings. The Windows Firewall Settings dialog box appears.c. On the General tab of the Windows Firewall Settings dialog box, click On.d. In the Windows Firewall Settings dialog box, click OK. <p>Note: On the Exceptions tab of the Windows Firewall Settings dialog box, in the To enable an exception, select its check box area, ensure that File and Printer Sharing and Remote Desktop check boxes are selected by default.</p>



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<p>Set the Network Location to be a private network.</p>	<ol style="list-style-type: none"> a. In the Windows Firewall dialog box, click Network Center. The Network and Sharing Center window appears. b. Under Unidentified network area of the Network and Sharing Center window, click Customize. The Set Network Location wizard appears. c. In the Customize network settings page of the Set Network Location wizard, in the Location type area, click Private, and then click Next. The Successfully set network settings page appears. d. In the Successfully set network settings page, click Close. e. Close all windows.
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Setting up the Domain Controller – Adding Roles and DC Promo	
<p>Add the AD DS role</p>	<ol style="list-style-type: none"> a. Click Add Roles initial configuration tasks screen b. On the before you begin page – click next c. Place a check in front of Active Directory Domain Services. And choose Next d. Choose next on the Active Directory Domain Services screen. e. On the confirmation screen press install. f. On the results page click Close
<p>DCpromo</p>	<ol style="list-style-type: none"> a. Start->Run ->Dcpromo and press enter. b. On the “Welcome to the Active Directory Domain Service Installation Wizard” press Next c. On the “Operating System compatibility Screen” press Next. d. On the “Choose a Deployment Configuration” Choose Create a new domain in a new forest and choose Next.



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- e. On the “name the forest root domain” type in **contoso.com** and choose **next**.
- f. On the “Set Forest Functional Level” choose **Windows server 2008** and choose **next**.
- g. On the “Domain Functional Level” choose **Windows Server 2008** and choose **next**.
- h. On the “additional domain controller options” Leave the DNS server option checked and choose **next**.
- i. Choose **Yes** on the “A Delegation for this DNS...” message box.
- j. Click on **Next** to take the default options for the database, Log Files and SYSVOL
- k. Enter **Restore Mode** as **Pa\$\$w0rd**, press tab and enter it again then press **next** for the Restore mode password.
- l. On the Summary Screen press **next**.
- m. When this finishes click on the **Finish** button and choose **Restart Now** when prompted.