

Build a client server network

Name: _____ Date: _____

Tools	<p>A computer acting as a 2003 Server with 256 MB RAM, two hard drives (40 MB minimum) of equal size, a CDROM, two network cards. Peripherals include a monitor, keyboard, mouse, power cords and surge protector.</p> <p>A computer acting as a Client with 256 MB RAM, one hard drive (20 MB minimum) and a network card.</p> <p>Windows 2003 Enterprise Server CD, Windows XP Professional CD, Office CD</p> <p>Category 6 cable, RJ45 connectors and a switch. Router with Internet connection to enable downloads for Windows Update, Adobe software, antivirus software and drivers.</p>
Task	<p>Build a Windows 2003 Enterprise Domain Controller with the domain name, <i>YournameServer.local</i> (ex. CharlesServer.local), and connect the server to the LAN using a network patch cables and a switch. After loading the Windows 2003 Enterprise Server operating system, you need to connect to the router (192.168.10.1) which connects to the Wide Area Network with DNS server addresses 209.18.47.61 and 209.18.47.62. Your server external TCP/IP address is 192.168.10.____ and internal LAN address is 192.168.____.1. Load all drivers for the server and add Windows Updates. Name the internal and external network cards. Load Adobe Reader, Flash Player, AIR and Shockwave programs. Add Windows Defender and enable 2 AM scanning daily. Setup password polices for 8 character smart passwords, to change all passwords every two weeks and only allow for three tries before account lockout. Add all network administrators to your domain including your instructors using the <u>N3tw0rAdm</u> password. All user information will be complete and allow for VPN connections. Users are approved to logon from 6 am to 10 pm.</p> <p>After utilizing a typical server setup of adding the Active Directory, DNS, DHCP, and RRAS roles, please add the WINS role. Setup the connection to the US Navy NTP server for time synchronization. Setup the printer to send jobs to the network printer at 192.168.10.100 and test the printer. Setup up Audit Policies. Complete the DNS properties setup. Setup the server for RAID 1 mirroring on the second hard drive using Computer Management.</p> <p>Build a client computer and load Windows XP Professional operating system on the machine using the RIS server on the 192.168.20 Domain.local network. Load all drivers for the personal computer and add Windows Updates. Load Adobe Reader, Flash Player, AIR and Shockwave programs. Load an antivirus program such as AVG. Load Office 2003 or 2007. When finished setting up the computer, set the BIOS password as <u>N3tw0rAdm</u>. As an administrator, have the client computer join your server's domain.</p> <p>Setup the list below of Organizational Units and Groups to your domain. Create a folder for each OU. Any user has full access to their department's folder. Managers have full rights to all folders as well as administrators. Add ten new users' accounts for the attached list. Put each user in their listed group. On your client computer, logon each client to your domain. Test their ability to access their assigned folders and write new files to their folders.</p>

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	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Organizations Units (OU) for the Doman</p> <ul style="list-style-type: none"> • Administration • Accounting • Advertising • Customer Service • Engineering • Human Resources • Graphics • IT • Legal • Maintenance • Marketing • Production • Public Relations • Purchasing • Quality Control • Security • Shipping and Receiving • Software Development • Transportation • Web Design </div> <div style="width: 45%;"> <p>Groups</p> <ul style="list-style-type: none"> • Administrators • Managers • Associates (workers) </div> </div> <p>Daily, solve any errors on the event log. Monitor warnings.</p>
<p>Reference Material</p>	<p>2003 Server Lessons - http://www.worldclasscad.com/server2003.htm Dell Website – www.dell.com Microsoft website – www.microsoft.com School library and reference material in the computer lab</p>