

Networking Benchmarks.

Total Benchmarks Available	45	Name Instr. Sig: _____								
Total Benchmarks Met	0									
Total Benchmarks not Met	45									
Total Benchmarks Exceeded	0									
Benchmark Percentage	Not enough benchmarks met for grade									
Written Test Percentage	0%									
Final Outcome for Course	#VALUE!									
Benchmark			Knowledge	Know - how			Wisdom			Outcome
	Information	Understanding	Application	Analysis	Judgment	Synthesis	Evaluation			
	Not Met	Not Met	Met	Met	Met	Exceeded	Exceeded			
	Did I hear, see or read it?	Did I understand it?	Can I use it?	Can I explain it?	Do I know when I would use it?	Could I teach it to someone else?	Could I evaluate it for quality?			
				Purpose	When would I use this?	Show me how to	What is the purpose of a server?		Not Met	
Install Server 2008										
Install and Configure Hyper-V, create two different domain controllers and one workstation.				Purpose	When would I use this?	Show me how to	What uses are there there for virtualization in business?		Not Met	
Install and Configure Active Directory on your HyperV Servers. Ensure your domain controllers are replicating appropriately.				Purpose	When would I use this?	Show me how to	What needs does AD meet?		Not Met	
Create and demonstrate a password policy on your domain that follows best practices. Explain how this helps secure the network.				Purpose	When would I use this?	Show me how to	How does a password policy make a network more secure? When do I need WINS in my network?		Not Met	
Install and configure WINS. Ensure there are active registrations.				Purpose	When would I use this?	Show me how to	How can I ensure DHCP is working if one of my servers goes down?		Not Met	
Install and configure DHCP. Ensure that all settings are correct including default gateway, WINS, DNS, and proper subnetting. One for each domain.				Purpose	When would I use this?	Show me how to	How often would you want to back up a network file server? Where should you store the backups?		Not Met	
Demonstrate setting up a backup on your server. Back up a folder with files in it, then delete one file. Demonstrate recovering the file from the backup.				Purpose	When would I use this?	Show me how to	Is a server based DNS preferential to router based? Why or why not?		Not Met	
Install DNS. Identify different types of name records.				Purpose	When would I use this?	Show me how to	Why would you need to do this?		Not Met	
Install a network printer and share the printer with two groups: bosses and mooks. Demonstrate setting print priorities for the boss group over the mook group.				Purpose	When would I use this?	Show me how to	How to net admins use the OSI model?		Not Met	
Create a poster/paper of the OSI model. Name the layers.				Purpose	When would I use this?	Show me how to	Why is it important to understand how the OSI model works?		Not Met	
On your OSI model put the following hardware on the layer that they work on: router, switch, hub, NIC, Gateway, Firewall.				Purpose	When would I use this?	Show me how to	What is the benefit of disk quotas?		Not Met	
Apply disk quotas of 500 MB, set unlimited on one user.				Purpose	When would I use this?	Show me how to	What is the purpose of driver signing policies?		Not Met	
Using BCDEdit, set driver signing to warn for the domain.				Purpose	When would I use this?	Show me how to	What other options for users connecting?		Not Met	
Set up a simple network with a switch using lab workstations.				Purpose	When would I use this?	Show me how to	Are there easier ways to do this? How?		Not Met	
Create a Dfs for your company based on the project. Demonstrate that these are accessible from your workstation.				Purpose	When would I use this?	Show me how to	Name the colors, in order, of either EIA/TIA-A or B.		Not Met	
Create a cat5 network cable using EIA/TIA standards. Demonstrate that the cable works.				Purpose	When would I use this?	Show me how to	How does this make a user's life easier?		Not Met	
Create remote home directories for users mapped to Z:\				Purpose	When would I use this?	Show me how to	How does this make a user's life easier?		Not Met	
Create roaming profiles for users				Purpose	When would I use this?	Show me how to	What two languages does Powershell use?		Not Met	
Using Powershell demonstrate how to show directories two ways.				Purpose	When would I use this?	Show me how to	Why did you choose these/ how do you use them?		Not Met	
Using Powershell, demonstrate two cmdlets and tell me how they work and why you chose them.				Purpose	When would I use this?	Show me how to	How does a differencing disk benefit an enterprise?		Not Met	
In Hyper-V, demonstrate how to create a differencing disk, and explain the purpose of a differencing disk.				Purpose	When would I use this?	Show me how to	How does this impact your networks? What is the physical manifestation of this logical event?		Not Met	
In Hyper-V delete your network and create a new one.				Purpose	When would I use this?	Show me how to	Why would you need to do this?		Not Met	
Change the bind order of your DNS servers in your second domain server.				Purpose	When would I use this?	Show me how to			Not Met	

Benchmark										Outcome
Demonstrate starting and stopping a service.				Purpose	When would I use this?	Show me how to	When is a situation when I might have to do this?			Not Met
Create a folder and share it. Set up NTFS permissions of full control and share permissions of read only. Demonstrate how those work.				Purpose	When would I use this?	Show me how to	Show me how to tweak permissions and explain why.			Not Met
Create at least 5 domain policies in the domain GPO and at least 10 policies on an OU.				Purpose	When would I use this?	Show me how to	When do you use a domain GPO over an OU/GPO?			Not Met
Demonstrate taking ownership of a file and folder.				Purpose	When would I use this?	Show me how to	Why would I do this? Who benefits?			Not Met
Create a baseline of your network performance using system monitor.				Purpose	When would I use this?	Show me how to	When do you create a baseline and why?			Not Met
Delegate control of an organizational unit				Purpose	When would I use this?	Show me how to	When might I delegate control of an OU and why?			Not Met
Create groups and use appropriate group scopes for assigning permissions within the domain.				Purpose	When would I use this?	Show me how to	Why use groups and not just Guit?			Not Met
Put users into groups.				Purpose	When would I use this?	Show me how to	Why give permissions to groups and not users?			Not Met
Create an Active Directory Structure that is sensible. Create users, groups, and organizational units within your domain.				Purpose	When would I use this?	Show me how to	Why use Ous?			Not Met
Create computer objects in the domain				Purpose	When would I use this?	Show me how to	What happens if I delete a computer object?			Not Met
Install additional protocol stacks				Purpose	When would I use this?	Show me how to	Why would I need to install additional protocols?			Not Met
Install a second NIC on a server and set a STATIC IP in order to allow incoming connections.				Purpose	When would I use this?	Show me how to	Why do I need a second card for best practices for a VPN?			Not Met
Use the ARP command and identify the MAC addresses of computers accessing your server.				Purpose	When would I use this?	Show me how to	What is the ARP command used for?			Not Met
Use the PING command to demonstrate connectivity.				Purpose	When would I use this?	Show me how to	What does the PING command do?			Not Met
Demonstrate the use of the NETSTAT command to identify what ports are being accessed.				Purpose	When would I use this?	Show me how to	What does the NETSTAT command show you?			Not Met
Create a simple spreadsheet of costs				Purpose	When would I use this?					Not Met
Use Visio to draw Active Directory Structure.				Purpose	When would I use this?					Not Met
Use Visio to draw a WAN design based on the project.				Purpose	When would I use this?					Not Met
Use Visio to design a network placing appropriate hardware in the appropriate places. Use VISIO to create network design. Label all components.				Purpose	When would I use this?					Not Met
Identify customer overview				Purpose	When would I use this?					Not Met
Identify customer current and future needs and fulfill those needs.				Purpose	When would I use this?					Not Met
Create written proposal to fulfill customer needs				Purpose	When would I use this?					Not Met
Submit entire final in a portfolio. Spelling, grammar, and punctuation counts.				Purpose	When would I use this?					Not Met