



Module 5 Mastery Assessment Lab

Introduction and/or Background

Configure a Server 2019 server for the company Success Inc. Apply the skills you have learned during this course to install and configure a working server for this company. After activation, this server will be an internal server and will not connect to the internet. Create a new server and client VM. Do not reuse any previous VMs.

Equipment/Supplies Needed

- VMWare Workstation Pro
- Windows Server 2019 ISO
- Windows 10 ISO

Assessment Criteria

Provide print screen proof you have successfully completed the items outlined in Work Activities / Tasks Listed:

- Server Configuration:
 - Install of server - 5 points
 - Install Roles: AD DS, DNS, Bkup- 5 points
 - DNS Forward and Reverse Zone Records: – 10 points (5 point per zone)
 - AD User Accounts with account restrictions applied - 10 points (5 points each)
 - Hard Drive Digital Assets - 5 points
 - File System Configuration – Home Directory: 5 points
 - Backup Successful - 5 points
 - Server Health - 5 points
 - Domain Group /Password Policy - 10 points
- Client Configuration:
 - Joined to Domain - 10 points
 - Drive Mapping to Home Directory / Folder - 10 points
 - Network Printer Installed and added to client - 10 points

- Reflection - worth 10 points

Assignment

- Server Configuration:
 - Server Edition: Windows Server 2019 Standard Edition
 - Server Name: FinalXX where XX is Your Initials
 - NIC Settings: Set to "Host Only" after activation
 - IP Address: 172.17.3.100
 - Subnet Mask: 255.255.255.0
 - Gateway: 172.17.3.1
 - Preferred DNS: 172.17.3.100
 - Server Roles: AD & DNS - Create Zones, records for server and one client PC
 - Active Directory – (Your domain name should be SuccessXX.net, where XX is Your Initials)
 - Hard Drives: Set additional drive(s) configured for RAID 5; volume name is DigitalAssets. Set drive letter to "G".
 - Users: Create an OU named DFW in your domain. Create the following users on the DFW OU:
 - Bob Jones (Only able to login 8am to 5pm, Monday thru Friday)
 - Sally Wilson
 - Backups: Create a backup of the C:\Users folder. Use the DigitalAssets volume as the destination for the backup.
 - File System Configuration: All company employees need access to a home directory on the server for users to save their work
 - Network Printer: Create and install an Active Directory network printer for the PC and users to access
 - Health of Server: Verify the health of your server. (Screen print of Resource Monitor)
 - Create a Security Policy for your domain with the following values:
 - 7 day minimum password age
 - 30 day maximum password age
 - 8 character password
 - 12 passwords remembered
 - Account Lockout Threshold =4
 - Account Lockout Duration = 15 minutes
 - Password complexity requirements enabled

- Client PC: Configure an office PC with Windows 10 and join it to your domain. The client will need a mapped drive to the server to save their work, and access to a network printer.
 - Client name: MyClient
 - NIC settings: IP address = 172.17.3.150
 - Subnet Mask = 255.255.255.0
 - Default Gateway = 172.17.3.1
 - Preferred DNS = 172.17.3.100

Provide Proof You Have Successfully configured a server and client for Success Inc. It is up to you to decide how you will show you have completed the items previously outlined. You have one attempt to upload your proof, there are no corrections on this assignment. Good Luck!

Reflection

1. What will you tell a prospective employer when they ask you about your knowledge and experience with Server 2019?

Rubric

Checklist/Single Point Mastery

<u>Concerns</u> Working Towards Proficiency	<u>Criteria</u> Standards for This Competency	<u>Accomplished</u> Evidence of Mastering Competency
	Criteria #1: Screenshot of install of server (5 points)	
	Criteria #2: Screenshot of install of AD DS, DNS, Backup (5 points)	
	Criteria #3: Screenshot of DNS Forward and Reverse Zone Records (10 points)	
	Criteria #4: Screenshot of AD User Accounts with account restrictions applied (10 points)	
	Criteria #5: Screenshot of Hard Drive Digital Assets (5 points)	
	Criteria #6: Screenshot of Home Directory (5 points)	
	Criteria #7: Screenshot of Backup Successful (5 points)	

	Criteria #8: Screenshot of Server Health (5 points)	
	Criteria #9: Screenshot of Domain Group /Password Policy (10 points)	
	Criteria #10: Screenshot of Client Joined to Domain (10 points)	
	Criteria #11: Screenshot of Drive Mapping to Home Directory / Folder (10 points)	
	Criteria #12: Screenshot of Network Printer Installed on Client (10 points)	
	Criteria #13: Answers to reflection questions (10 points)	