

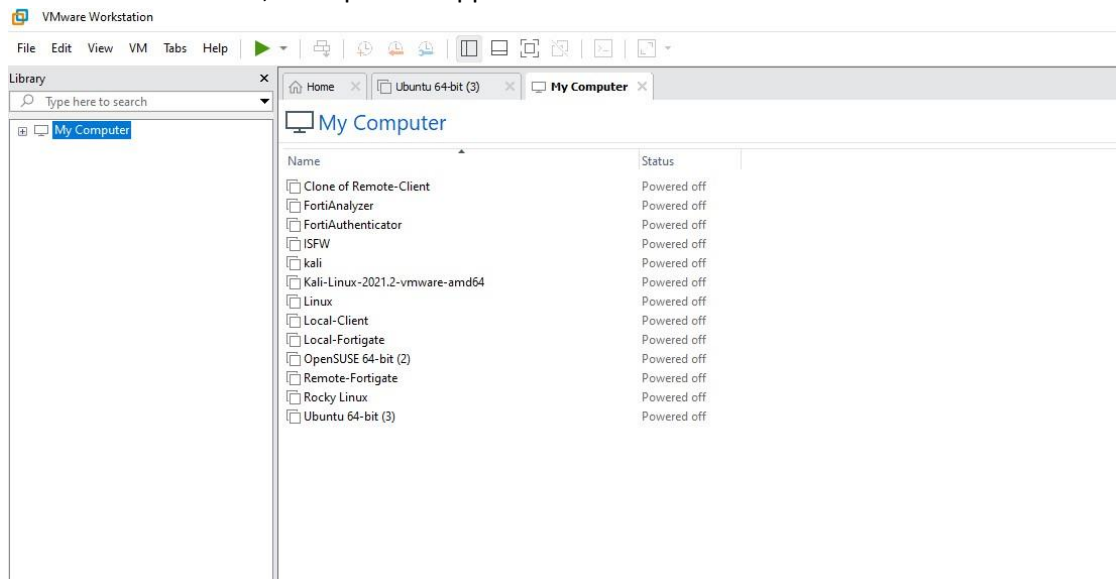
PO1 Assignment 3

Introduction

To create two (2) domains within a virtual machine setting, each consisting of a PDC and DNS, along with 2 users

Exercise

Step 1: Download and install VMWare Workstation from [this link](#). This is a demo version, and will only work for 30 days. After installation, click on the icon, or from the Windows START menu, go to VMWare Workstation, and open the application



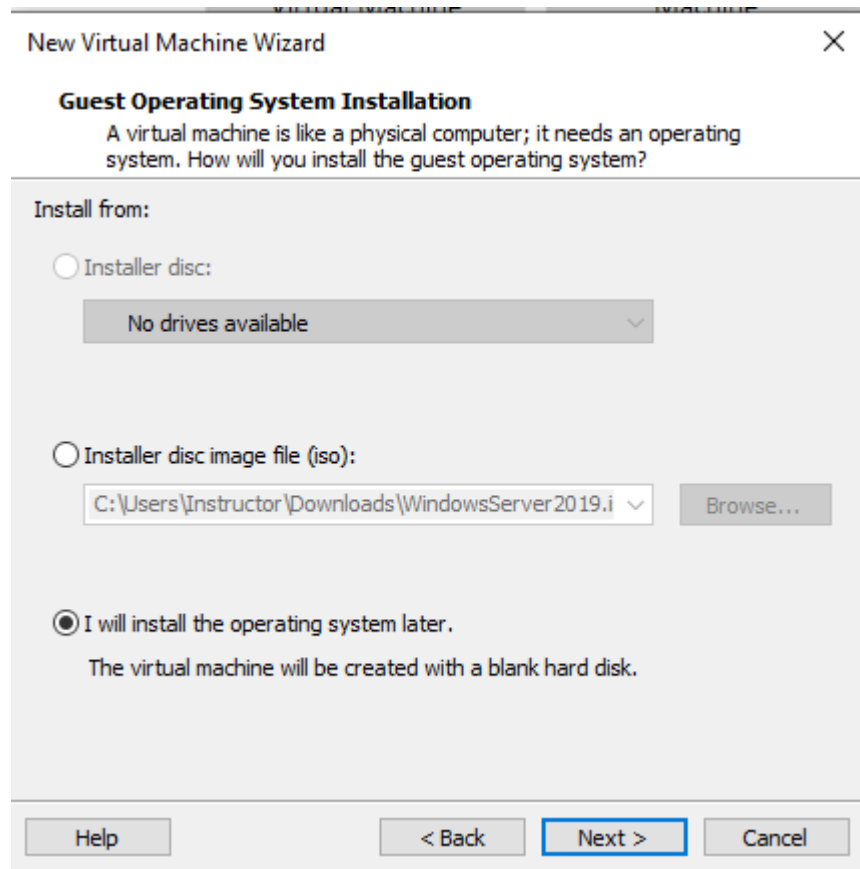
It will look something similar to this, but with no defined VM in the right side window.

Step 2: From the File menu, select “New Virtual Machine.” A wizard will pop up to assist in the creation of a Windows Server VM

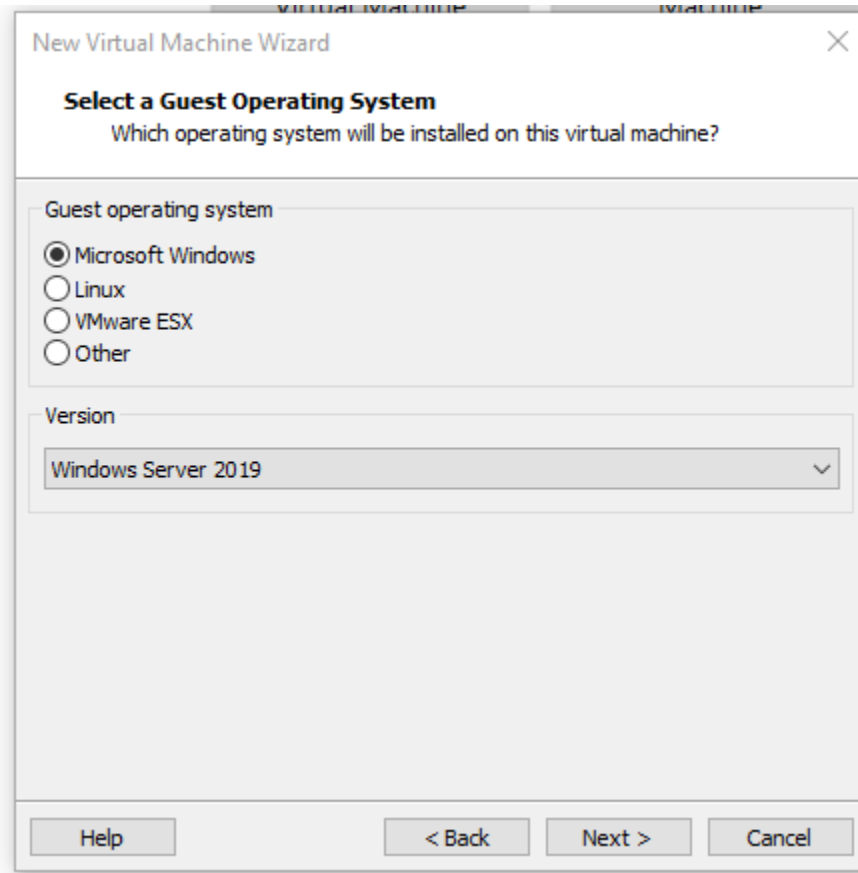


Click on the Next button

On the following screen “Choose the Virtual Machine Hardware Compatibility”, click the Next button



On this screen, click the third option “I will install the operating system later” Click on the Next button



Select Microsoft Windows and under Version, select Windows Server 2019. Click Next

The next Screen, keep the defaults and click on Next

For the Firmware Type, keep UEFI as the default, and click on Next.

The next few screens will ask for the server configuration. Select the following from these screens(the first will be Processors) 4 CPUs (2 CPUs, 2 Cores) . Increase the Memory to 16 GB RAM. Keep NAT selected for the Network Type. For the I/O Controller, keep LSI Logic SAS. The next screen, Disk Type, select SCSI. Then Create a new Virtual disk, and click Next

New Virtual Machine Wizard

Specify Disk Capacity
How large do you want this disk to be?

Maximum disk size (GB):

Recommended size for Windows Server 2019: 60 GB

☐ Allocate all disk space now.
Allocating the full capacity can enhance performance but requires all of the physical disk space to be available right now. If you do not allocate all the space now, the virtual disk starts small and grows as you add data to it.

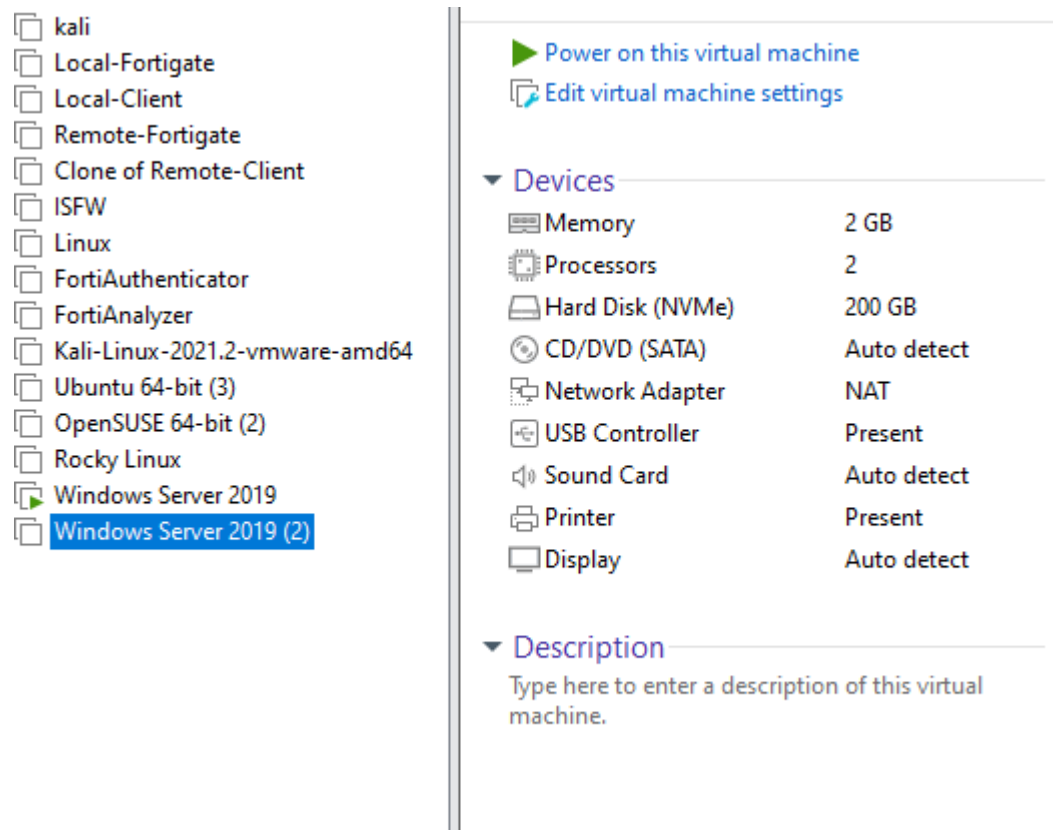
☐ Store virtual disk as a single file

☒ Split virtual disk into multiple files
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

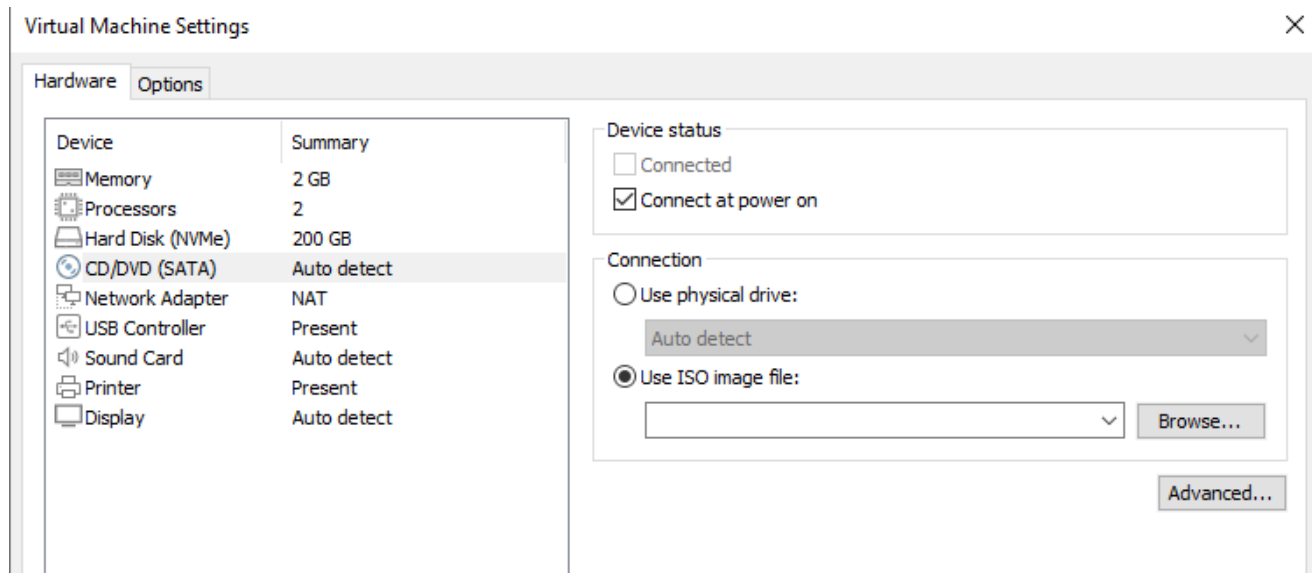
Help < Back Next > Cancel

ON the Disk Capacity, increase the disk to 200GB. On the next screen, keep the default, and press Next.
Click on the Finish Button to create the VM.

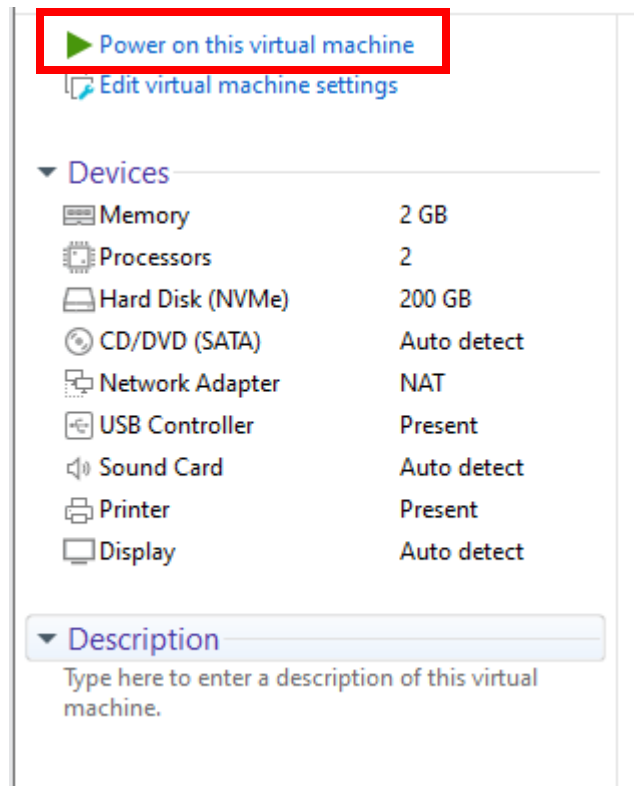
In VMWare, you will see your new VM o the left hand side



Make sure it is selected, and right-click on it , and from the menu select Settings



From the Settings pop-up window, click on CD/DVD on the left hand side, and on the right hand window, click on “Use ISO image file:” Click on the Browse button to locate the .iso file for Windows Server 2019. Save, and on the main VMWare Window, for your new Windows Server, click the Power On Icon to start the Server

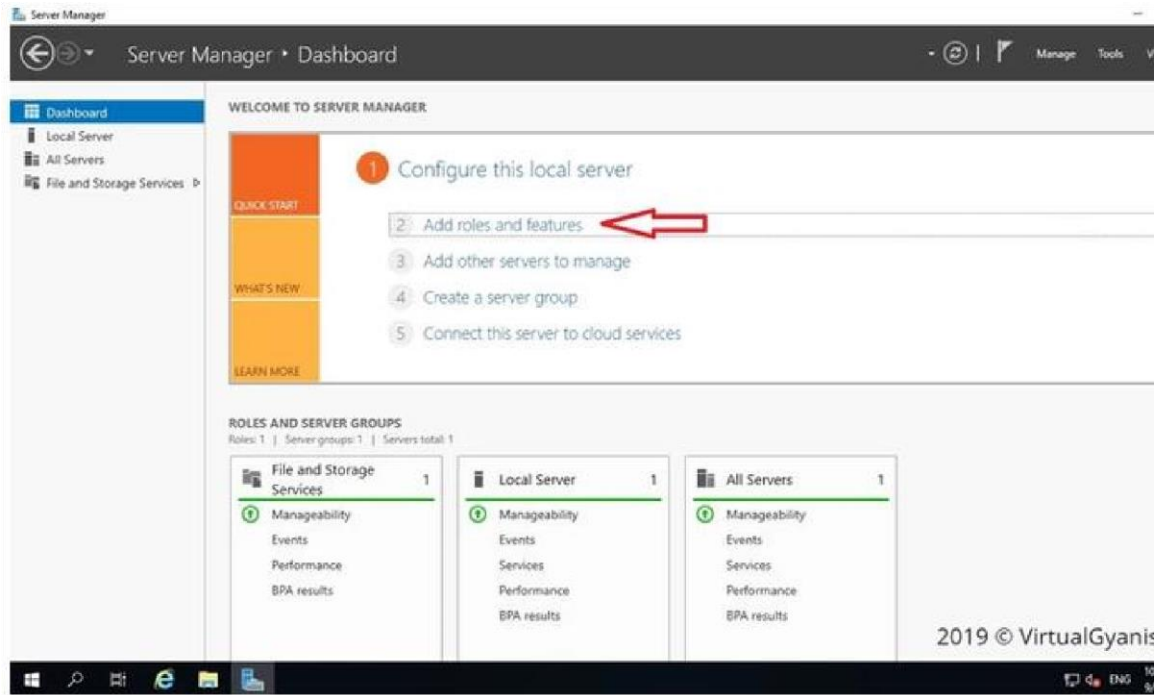


This will start the Windows Server installation for 2019

Select the default settings for the installation, and use the password P@ssw0rd! for the administrator password.

Step #3 Once complete, the system will reboot, and login as the Administrator.

You will be presented with a screen similar to this:

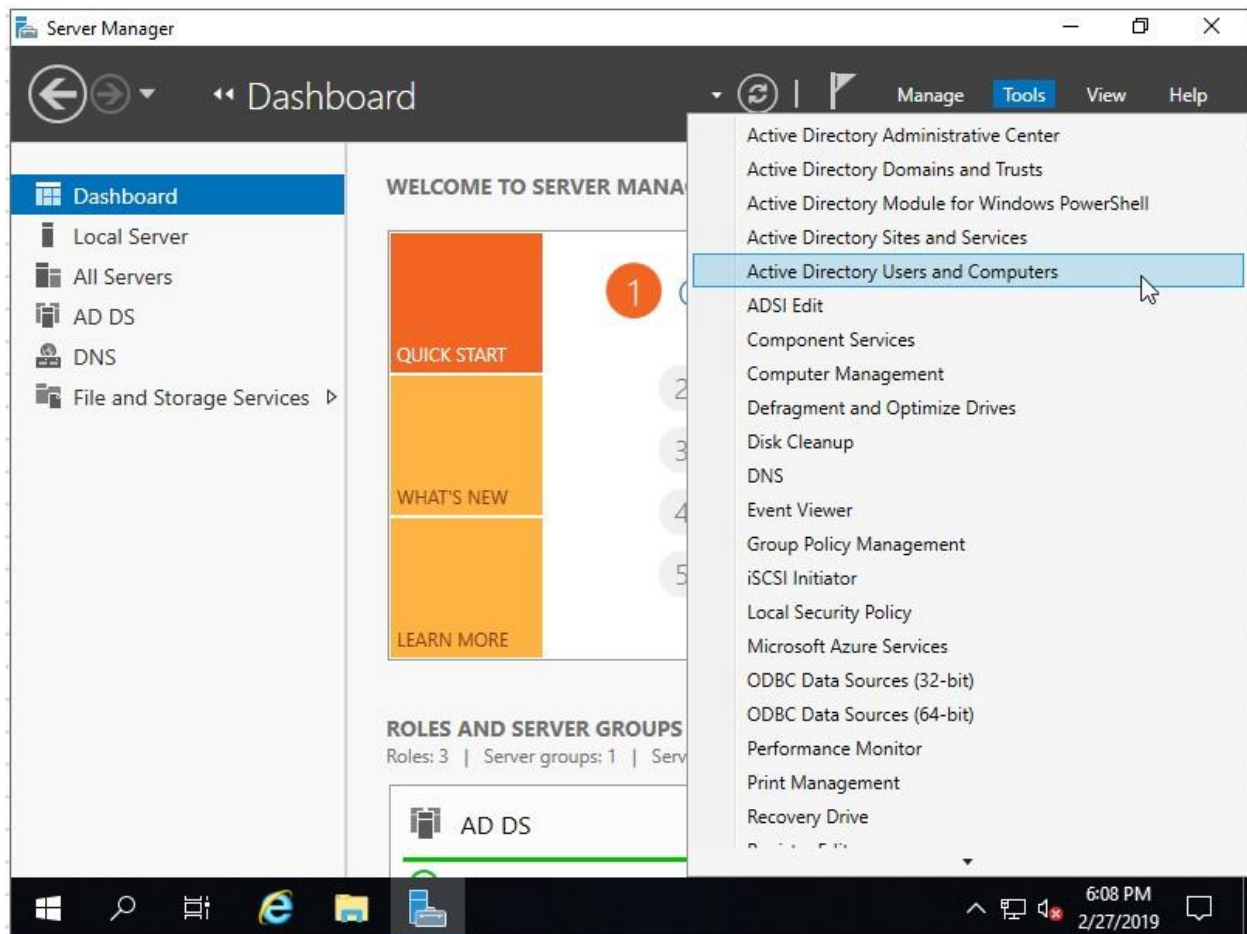


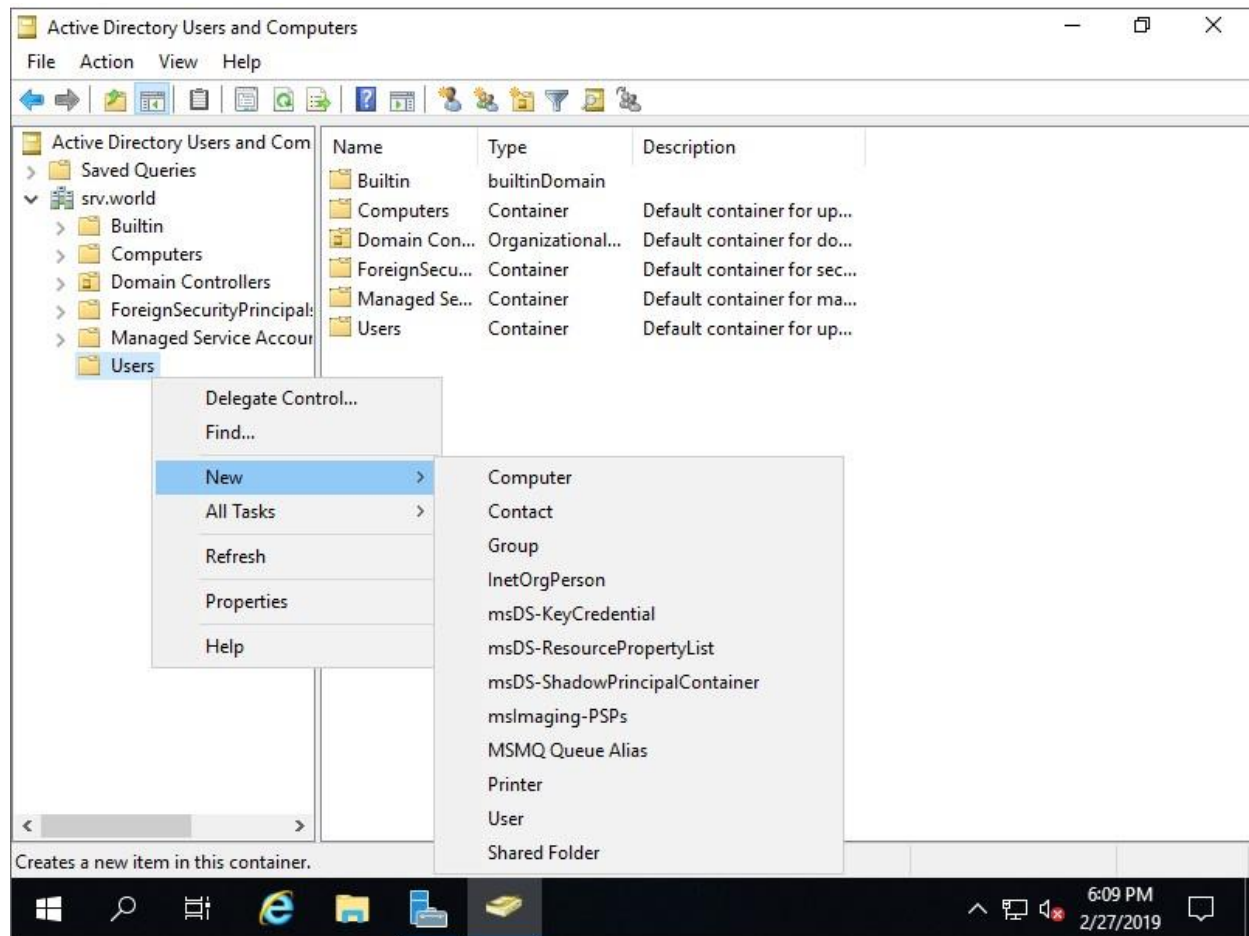
Step 4: Follow the steps [here](#) to set up a Domain Controller and DNS.
(courtesy of www.virtualgyanis.com)

The name of the domain will be firebird.com and name this server dc1.firebird.com.

Set an static IP address for this server of 192.168.0.10 with a subnet mask of 255.255.255.0

Step 5: Add the following users to the domain by selecting the Tools menu from the Server Manager Dashboard, and Select Active Directory Users and Groups





Name: John Winter userid: JohnW password:passw0rd!

Name: Buddy Guy userid:budg password:passw0rd!

Address: 192.168.100.10

Step 6: Follow the Steps 2-5 again, creating a second VM Windows Server with the same configuration, configuring a new Domain called:

Explorer.com

The server name will be dc1.explorer.com

IP address is 192.168.100.10 subnet mask 255.255.255.0

Add the same users as Step #5.

Step 7: Ping between the 2 dc1 servers using their FQDN names, and print a screen shot into a .PDF document. Provide the VMWare Settings for each server in the .pdf document as well.

Step 8: Login into each dc1 server using the johnw and budg accounts, and provide a screenshot of their desktop, showing their usernames

Submit your document, including cover page, into Moodle with all screenshots requested.