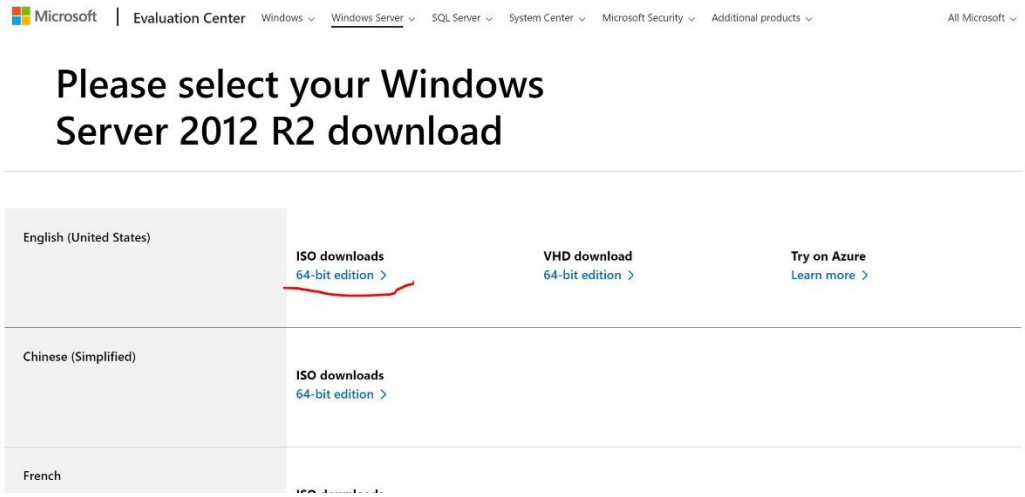
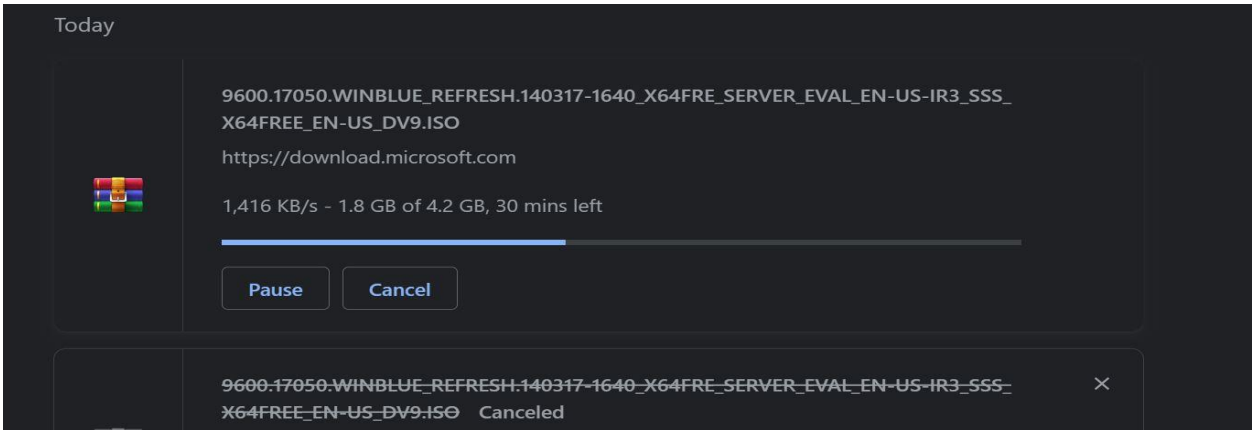
Installing Windows Server

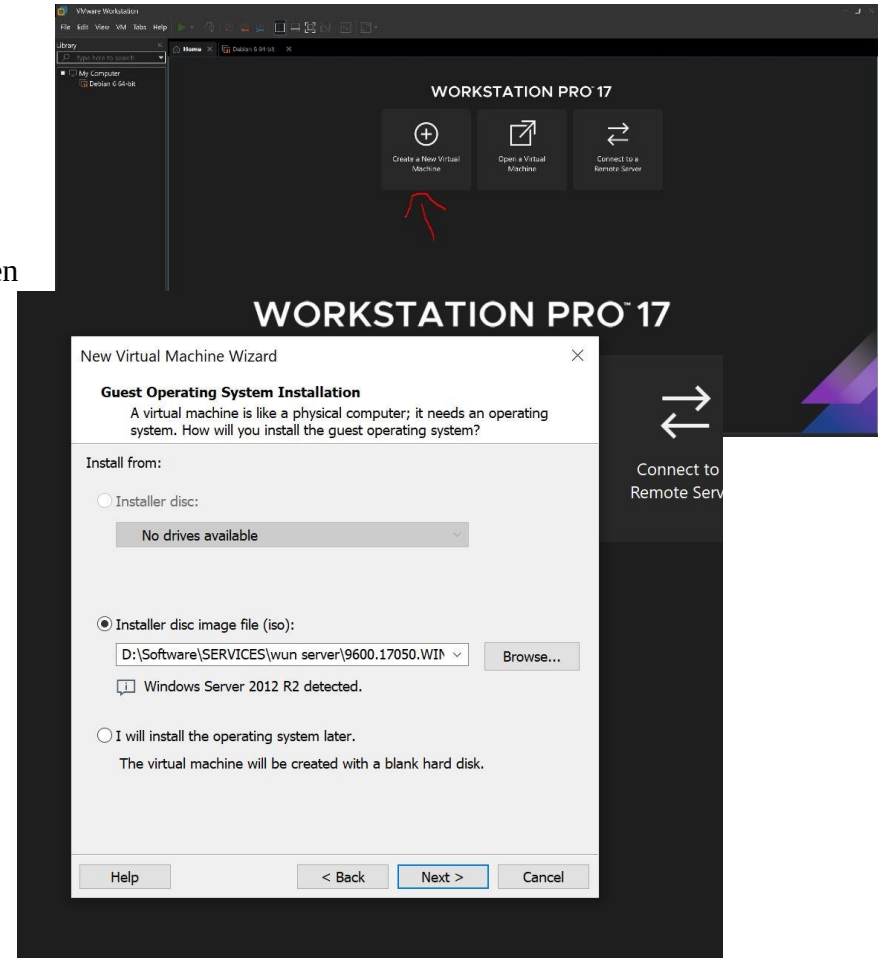
Task :1 Setting Up Windows Server 12 on Virtual Machine

For Installation First we will Download the Windows Server Image .ISO file from Microsoft website.
https://go.microsoft.com/fwlink/p/?LinkID=2195443&clcid=0x409&culture=en-us&country=US



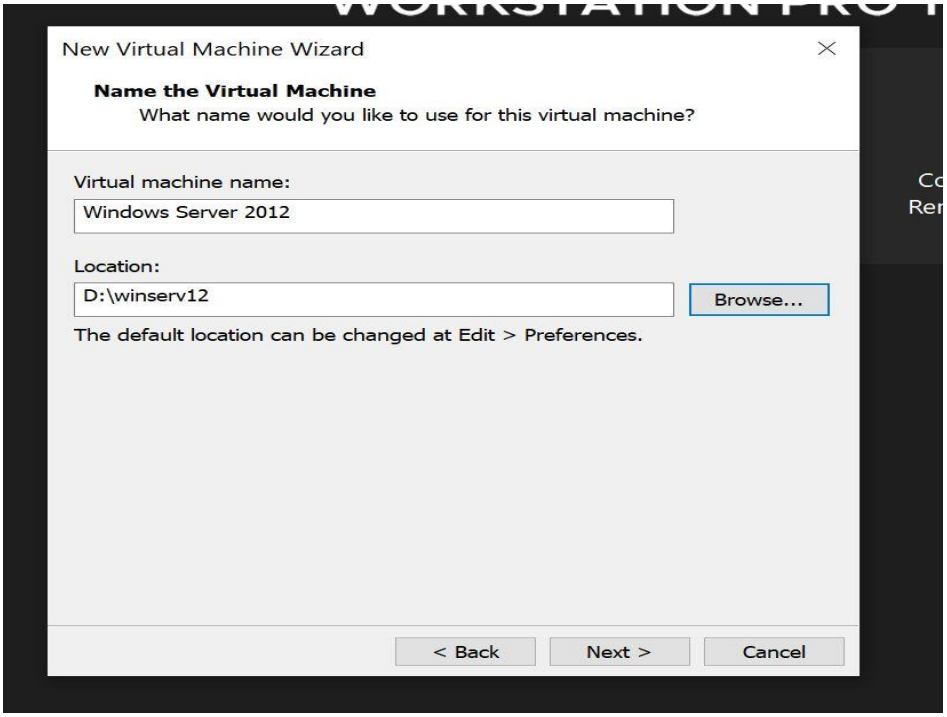


- Then Open VMware and create new Virtual Machine for Windows server.

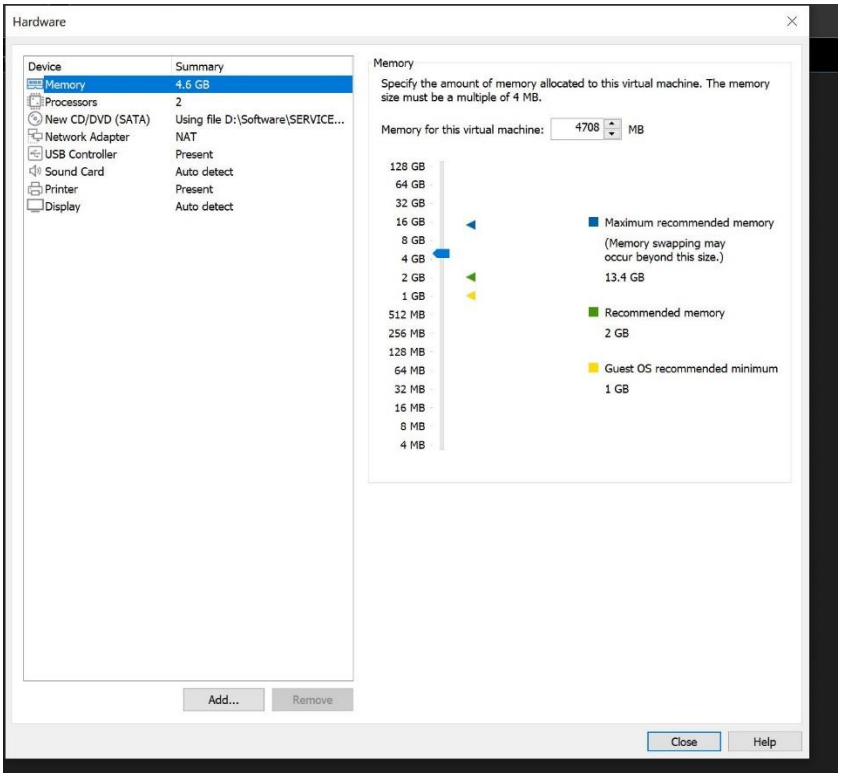
- Then 

Import the ISO image file in VMware

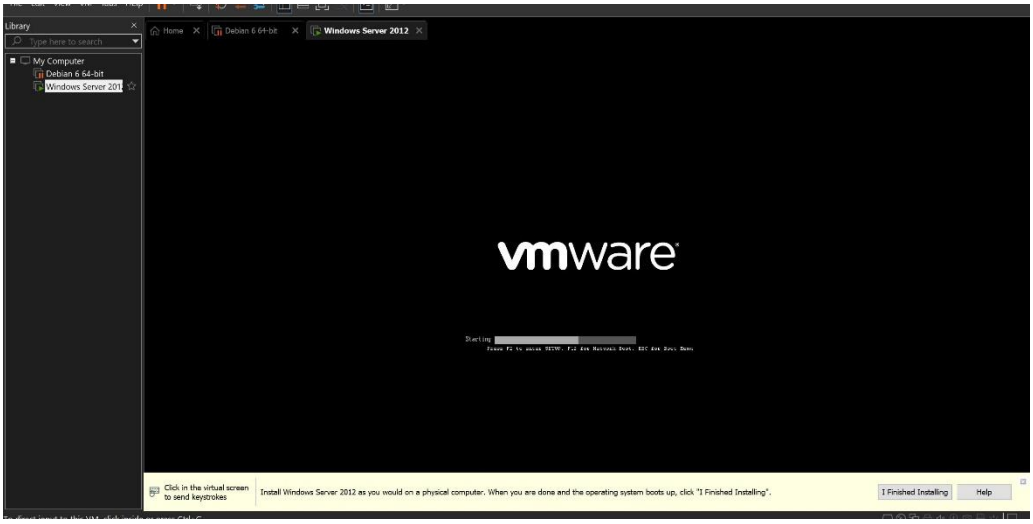
- After Selecting ISO Select the location to store vm files.



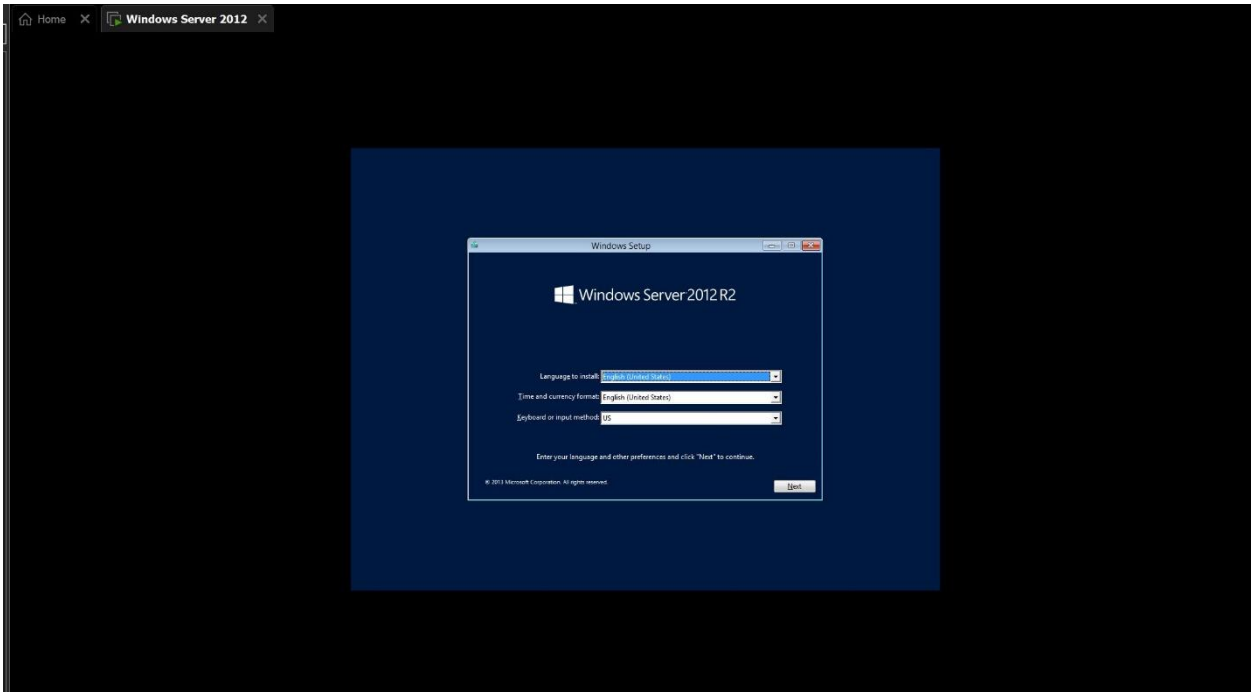
- Configure the resources for the machine according to Requirments



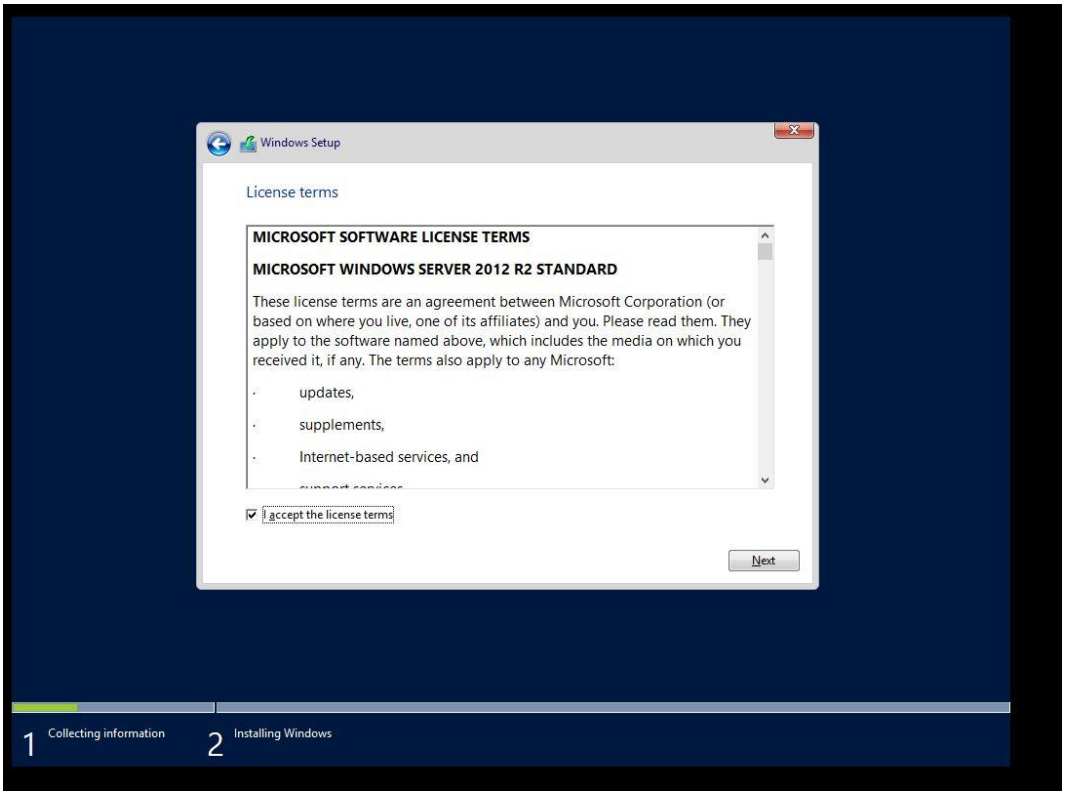
- After Setting everything and Power on the Vm to install server.



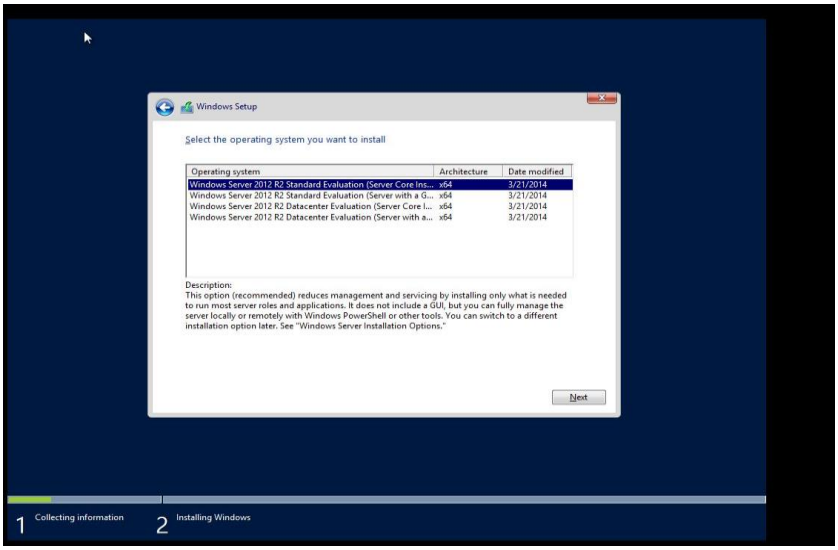
- Select Language:



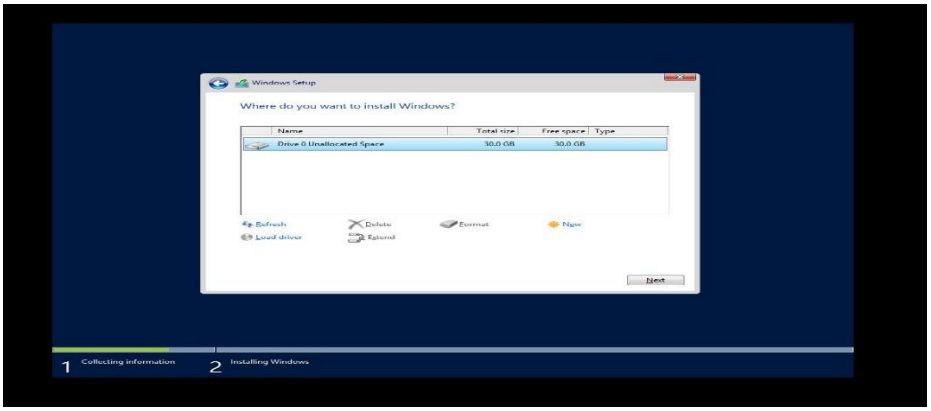
- Agree Term and Conditions This describes the usage of software according to legal terms.



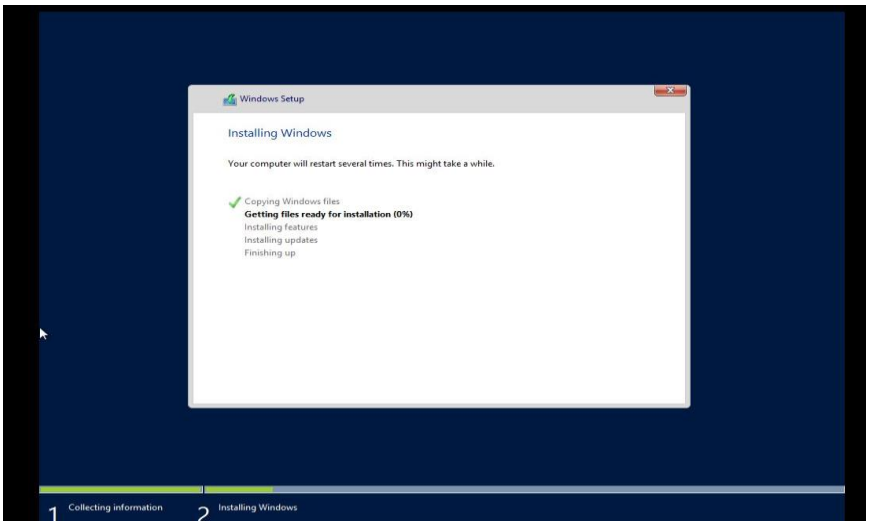
- Select Server type for This I have selected GUI version



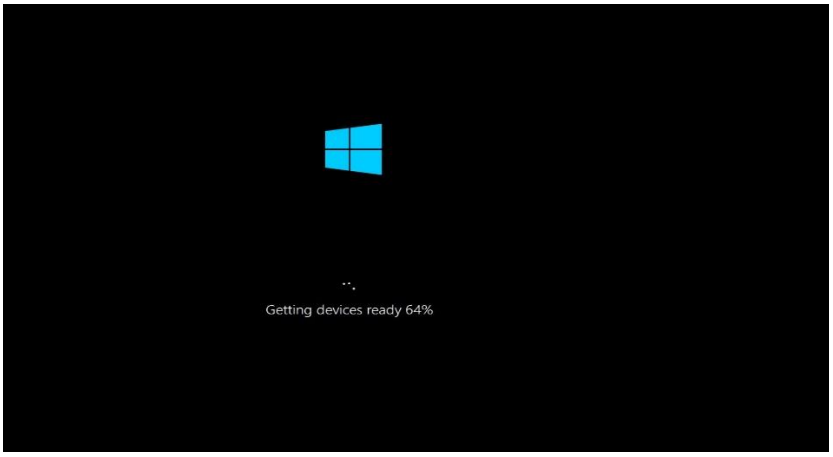
- Allocate system Drive for installing base Operating system:



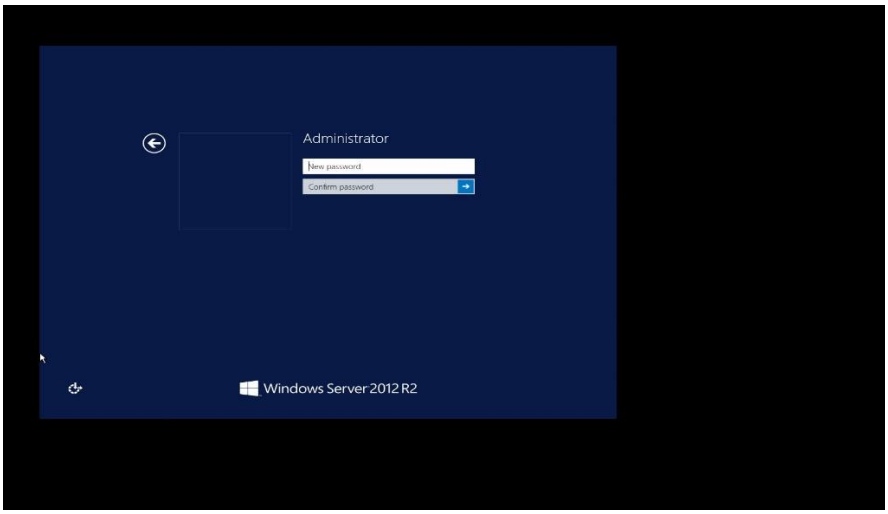
- Installing:



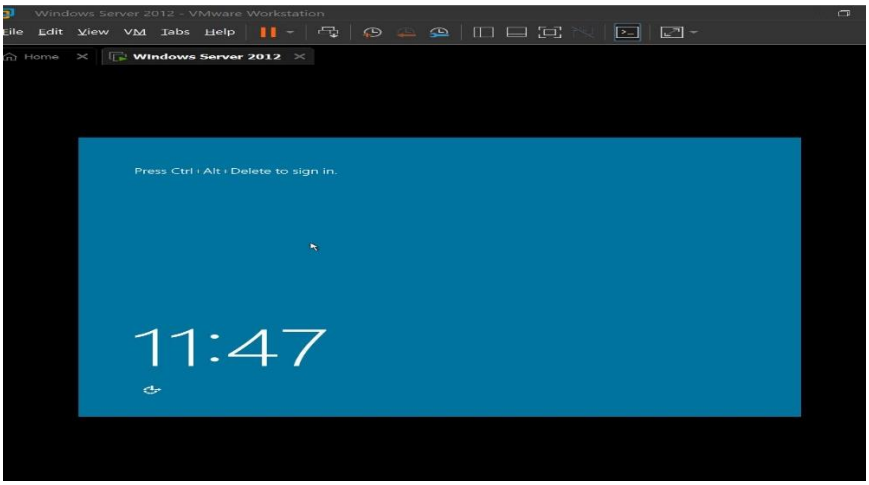
- After Compination it will Restart:



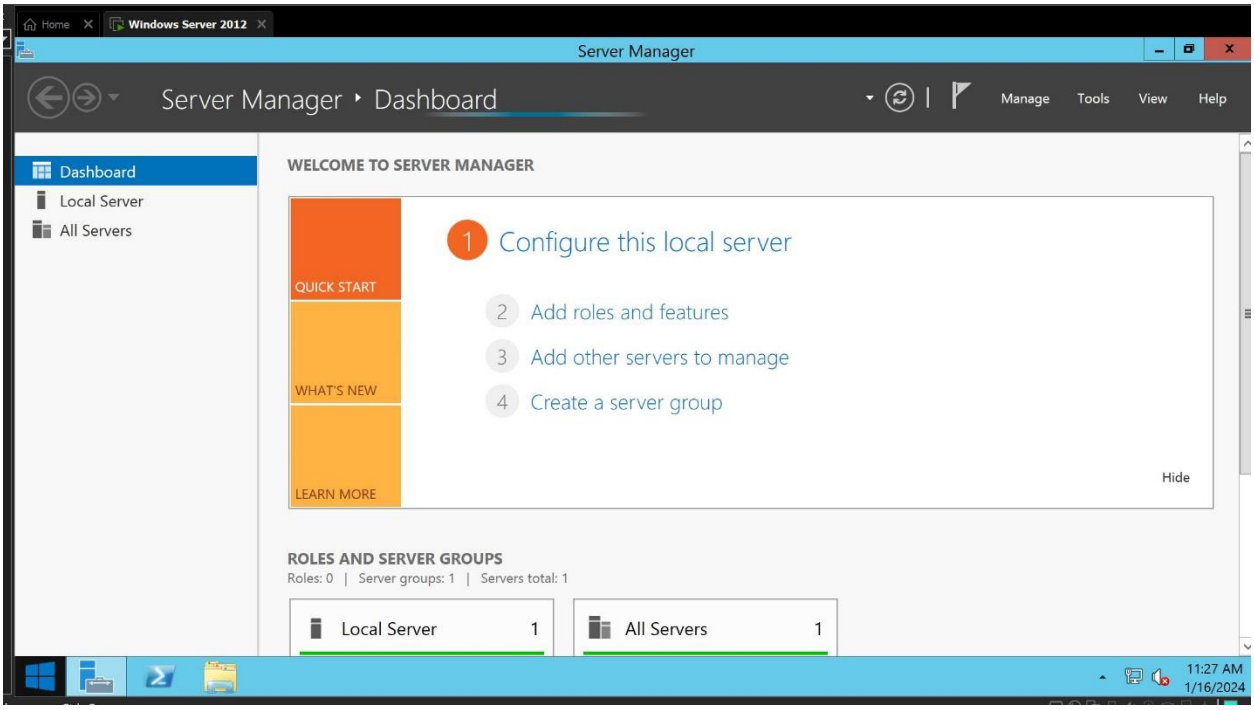
- After Starting it will ask you to change the Password for firt time:



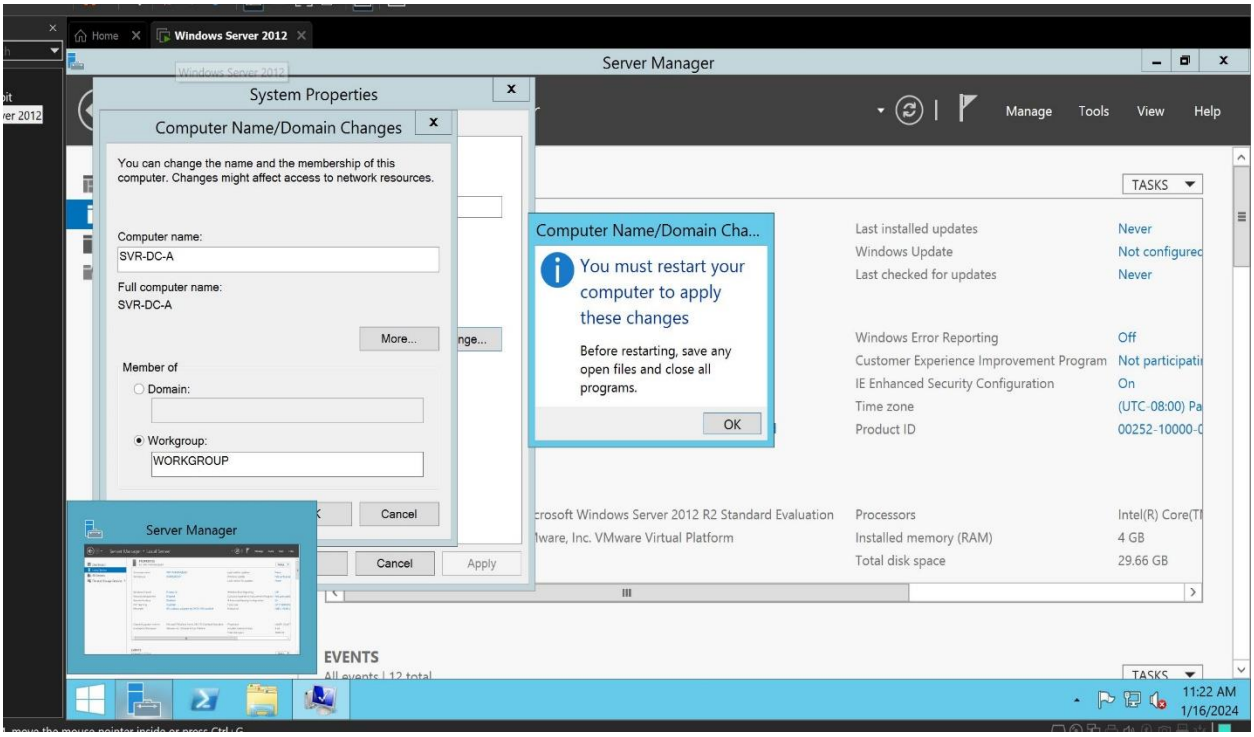
- Login Again:



- And Our Server is Finally Installed:



- Now Change the Name of System and restart to apply Changes:



Reflection:

A: For what purpose is a windows server needed in an organization?

Answer: Windows Server is a versatile and essential component of an organization's IT infrastructure. It provides the foundation for various services, applications, and resources, enabling efficient management, scalability, security, and compliance.

B: Is it must to have a windows server in a client server network?

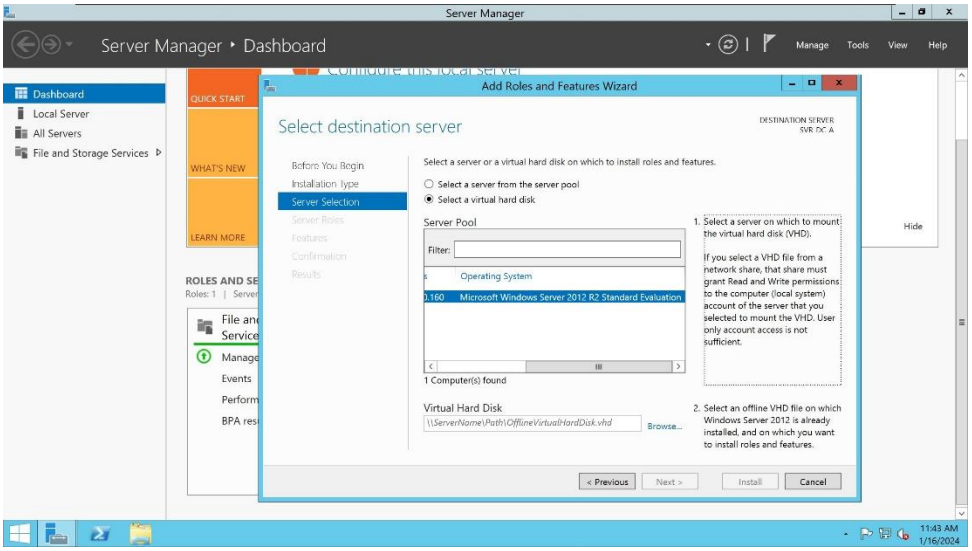
Answer: No, Windows Server isn't essential for a client-server network. Many other server operating systems, from open-source Linux to macOS Server, cater to various needs and budgets. Choose the one that best fits your requirements and expertise.

Task 2: Post Installisation Tasks for Windows Server

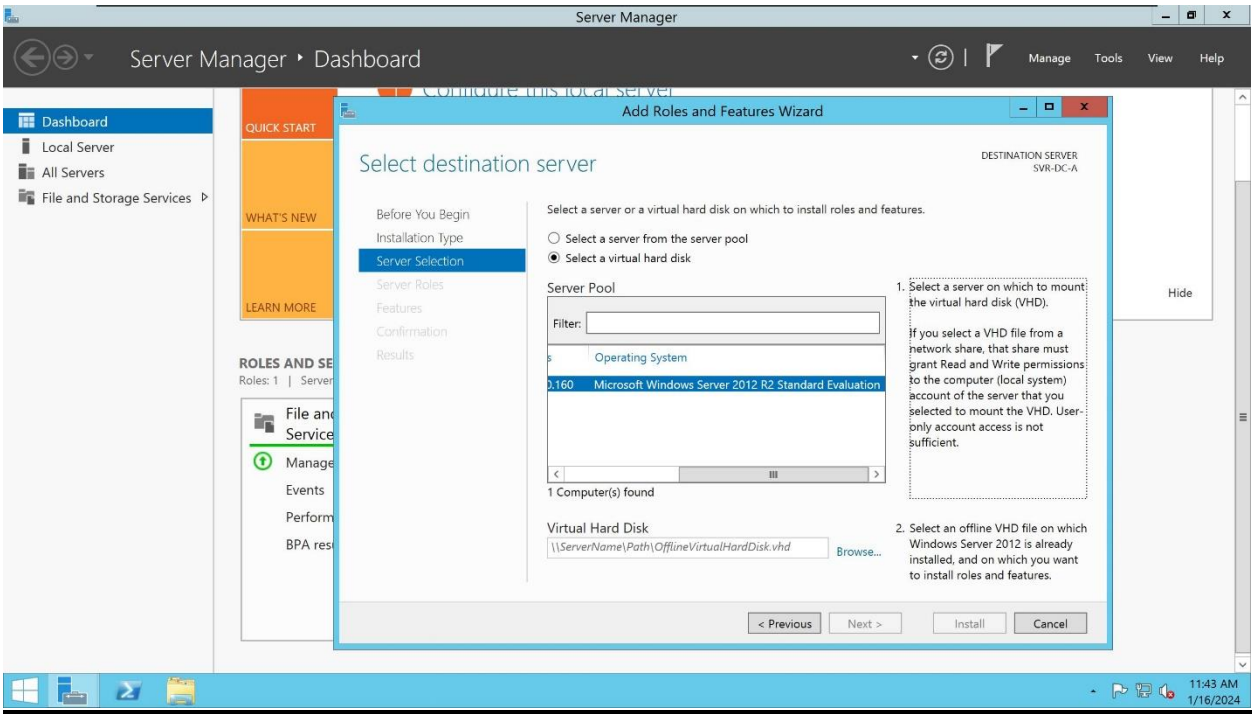
Lab Objectives:

- Complete Post-Installisation tasks
- Adding Roles and Features

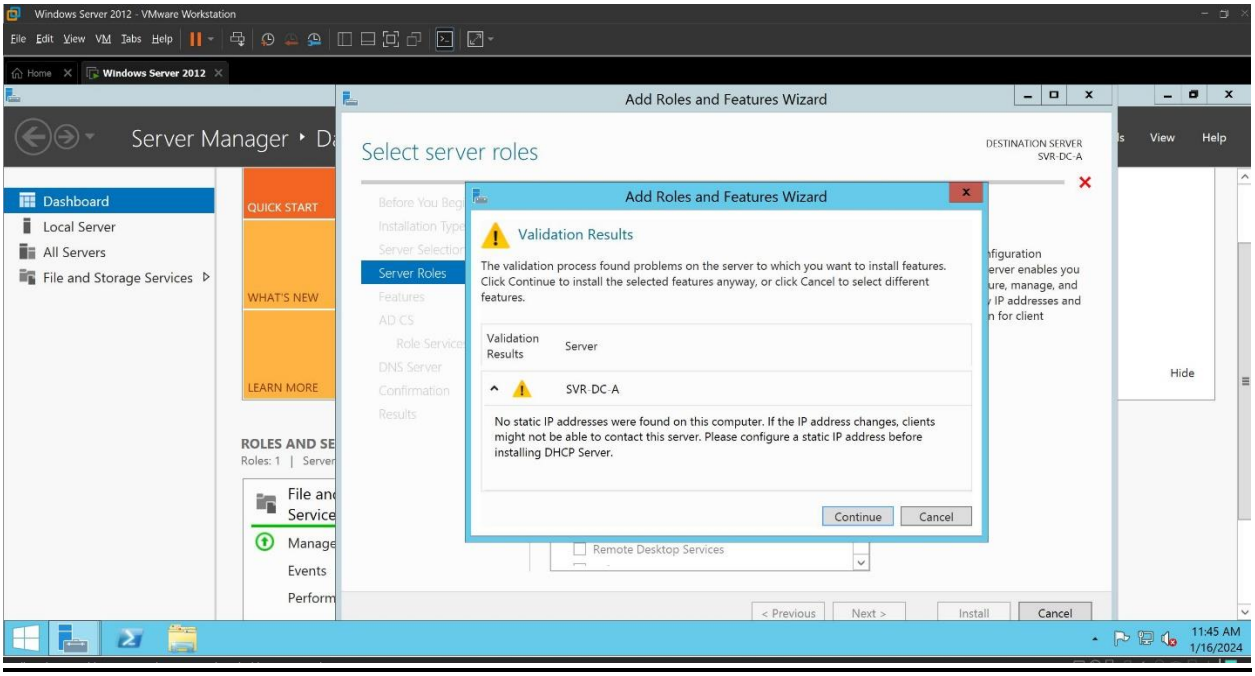
1- Select the SVR-DC-A cmputer, on which Windows server is installed.



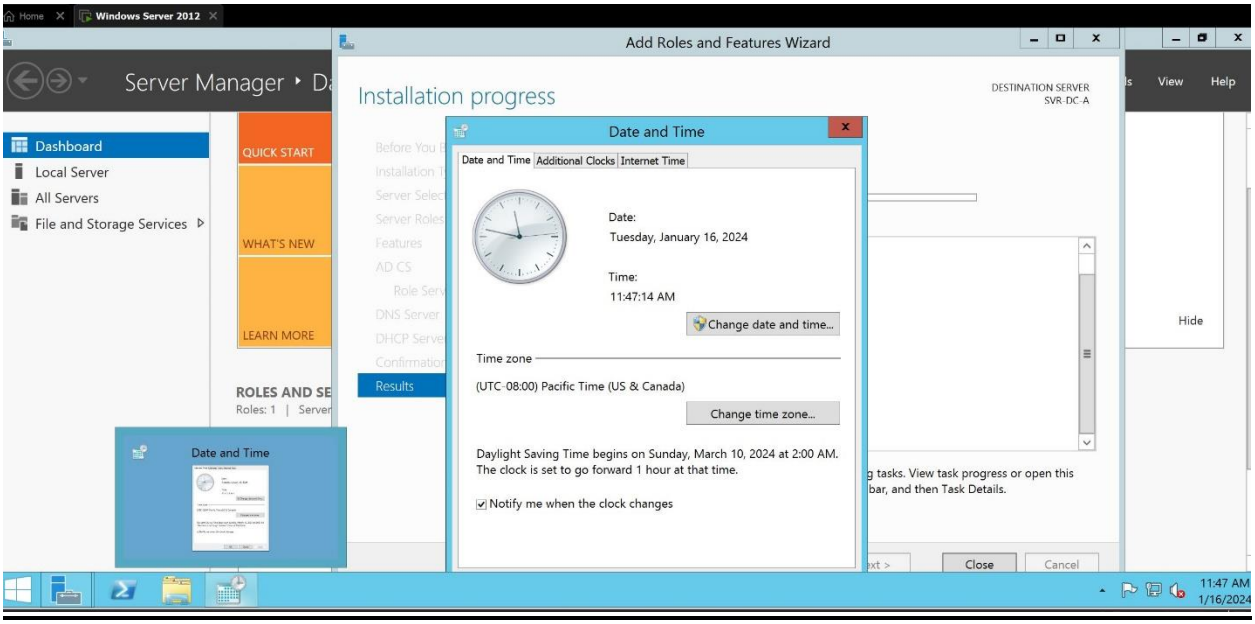
2- Click I accept the default calues and country and region settings.



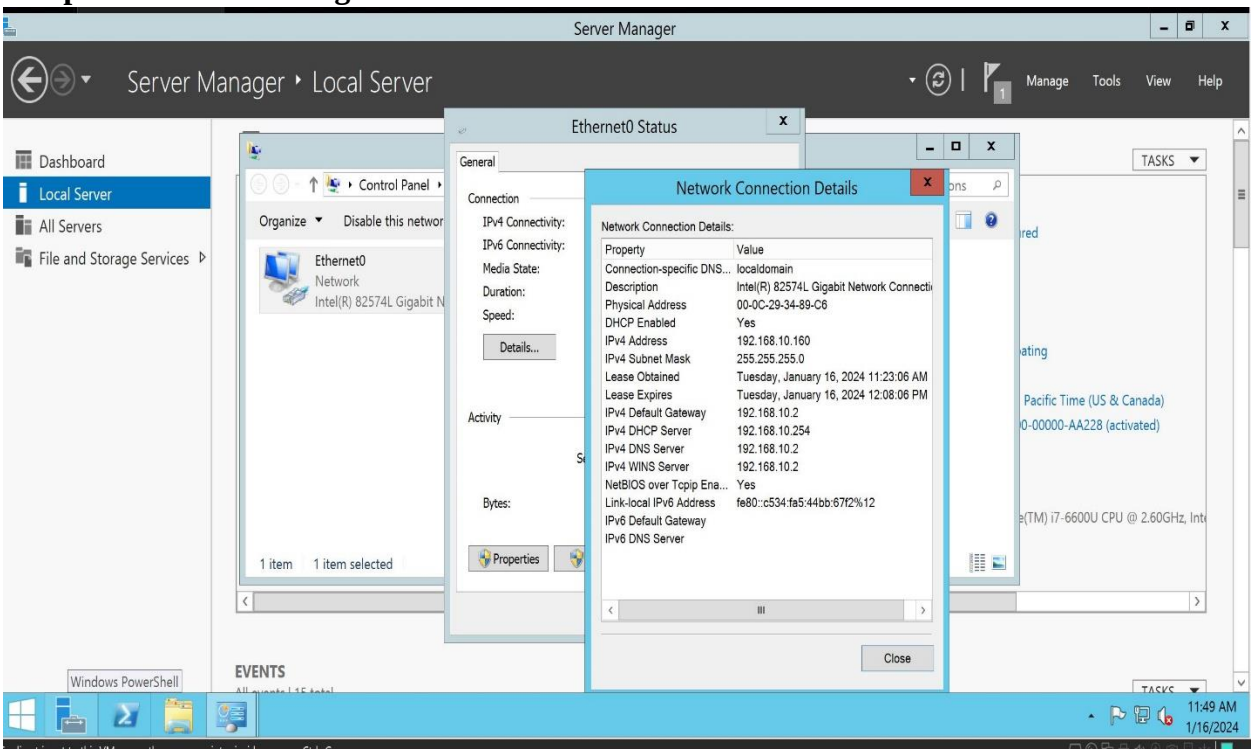
3- Add Services for the the avaleble clients.



4- Click the Time Zone values.



5- Setup the Network configration



Question: How would install the roles and features selected in exercise differ in the server was running Windows server 2008 R2?

Answer:

1. Server Manager and PowerShell:

Use Server Manager for role and feature installation.

PowerShell cmdlets like `Install-WindowsFeature` are available.

2. .NET Framework:

Ensure the required .NET Framework version is installed for Server Manager and PowerShell.

3. Installation Media:

Utilize the Windows Server 2008 R2 installation media for adding roles and features.

Insert the DVD or mount the ISO to begin the installation process.

4. Updates and Reboots:

Apply the latest service packs and updates before installation.

Expect more frequent reboots during the process compared to newer Windows Server versions.

Question: How can you prove that the Web Server (IIS) role is installed on the server?
Answer: To check if the "Web Server (IIS)" role is installed on a Windows server using Server Manager, follow these steps:

1. Open Server Manager on the server.

2. In the left-hand pane, expand the "Roles" node.

3. Check if "Web Server (IIS)" is listed under the "Roles" node.

If "Web Server (IIS)" is listed, it indicates that the IIS role is installed on the server.

Conclution:

In this lab, we installed Windows Server 2012 on a VMware virtual machine, configured settings, and performed post-installation tasks, including adding roles like Web Server (IIS) using Server Manager. The successful setup demonstrates the efficient deployment of a Windows Server environment.