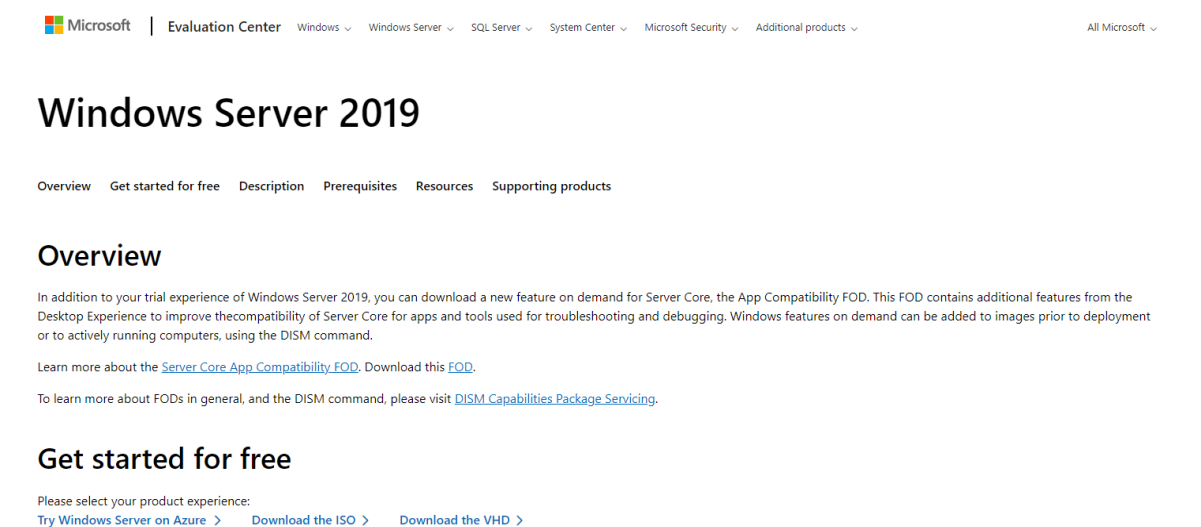


Installation of windows server 2019 on Internal VM Server

Step 1

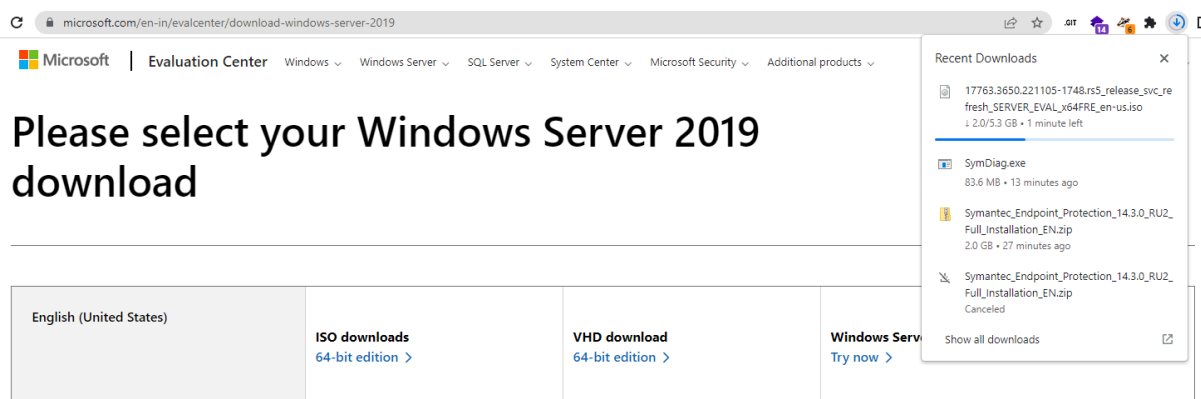
Firstly, we need to download iso of Windows server 2019 from the official site.

Iso Link : <https://www.microsoft.com/en-in/evalcenter/download-windows-server-2019>



The screenshot shows the Microsoft Evaluation Center page for Windows Server 2019. The navigation bar includes links for Windows, Windows Server, SQL Server, System Center, Microsoft Security, and Additional products. The main heading is "Windows Server 2019". Below it, there are tabs for Overview, Get started for free, Description, Prerequisites, Resources, and Supporting products. The "Overview" tab is selected. The text describes the trial experience and the availability of a new feature on demand for Server Core. It mentions the App Compatibility FOD and the Desktop Experience. Links are provided for downloading the ISO, VHD, and the FOD. A "Get started for free" section is also visible, with links to try Windows Server on Azure, download the ISO, and download the VHD.

Img 1

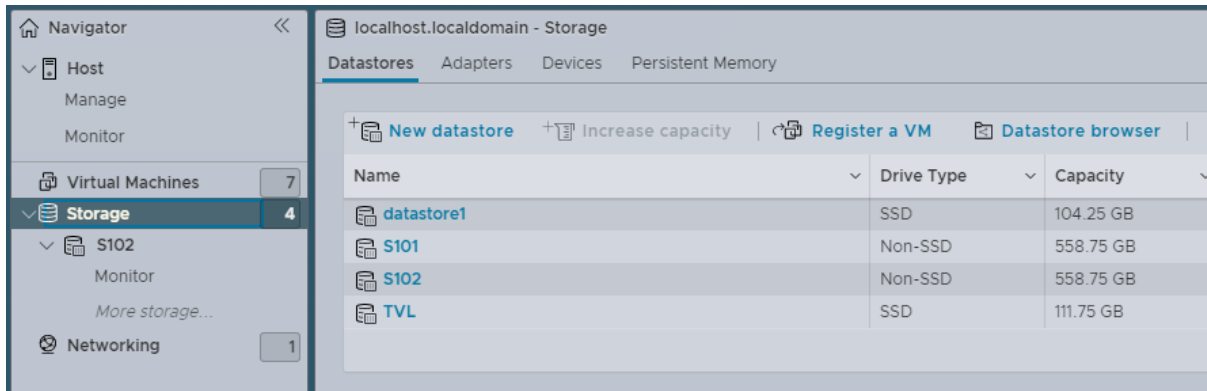


The screenshot shows the Microsoft Evaluation Center page for Windows Server 2019, specifically the "Please select your Windows Server 2019 download" section. The page is in English (United States). There are three main download options: "ISO downloads 64-bit edition", "VHD download 64-bit edition", and "Windows Server 2019 Try now". A "Recent Downloads" window is open on the right side of the browser, showing a list of downloaded files, including "17763.3650.221105-1748.rs5_release_svc_re fresh_SERVER_EVAL_x64FRE_en-us.iso" and "SymDiag.exe".

Img 2

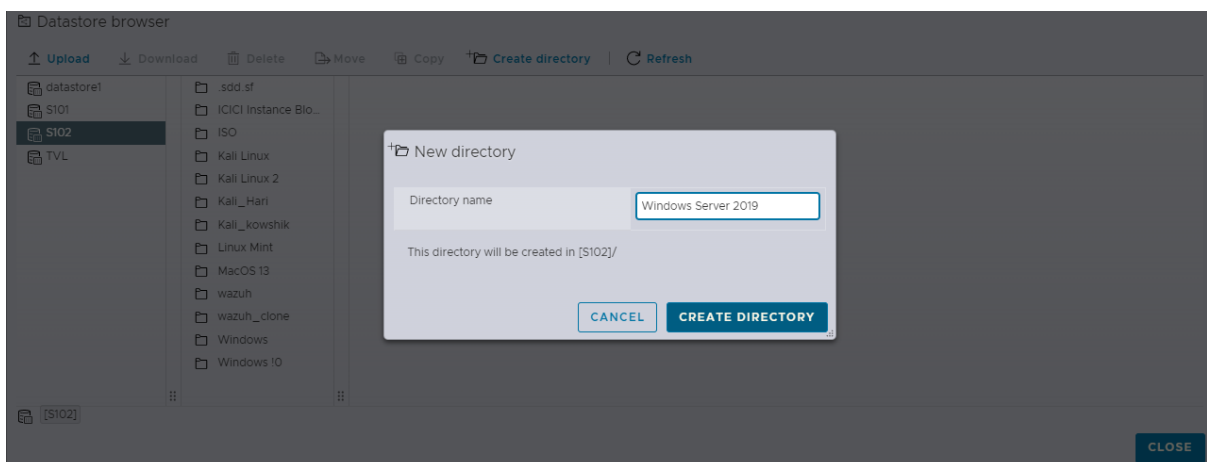
Step 2

- After Downloading iso of Windows server 2019.
- Login to the server.
- Go to storage device where we want to upload and create a vm instance of windows server 2019
- For windows server we are going to create a new folder inside the **S102** partition



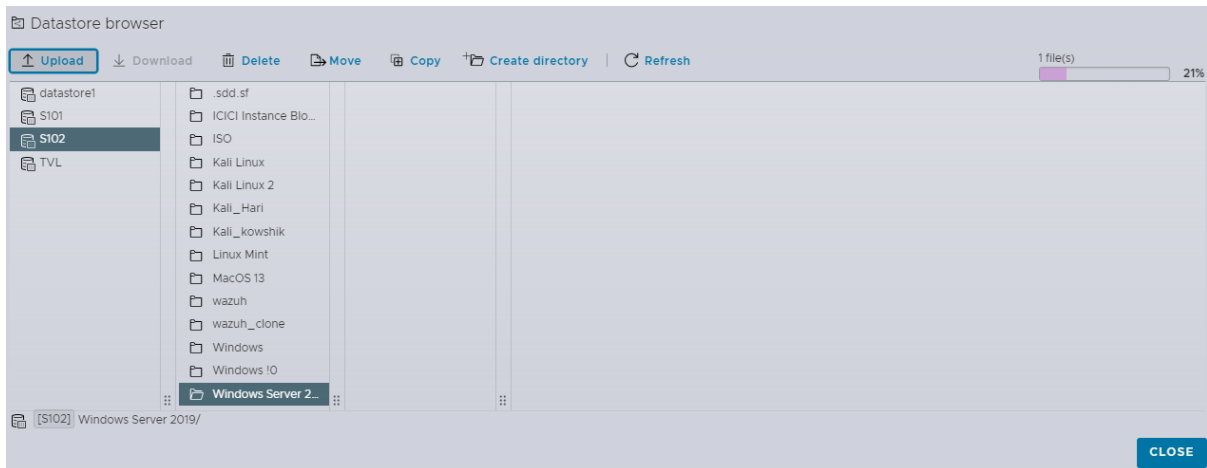
Img 3

- Select **Datastore browser** and then create directory in the name of Windows Server 2019 in **S102** partition



Img 4

- After creating the folder, upload the iso file of Windows server 2019.
- On the **top left corner** you can see an upload option and select the file which you want to upload.
- uploading status can be shown on the top **right corner** as shown in the image below. refer img 5



Img 5

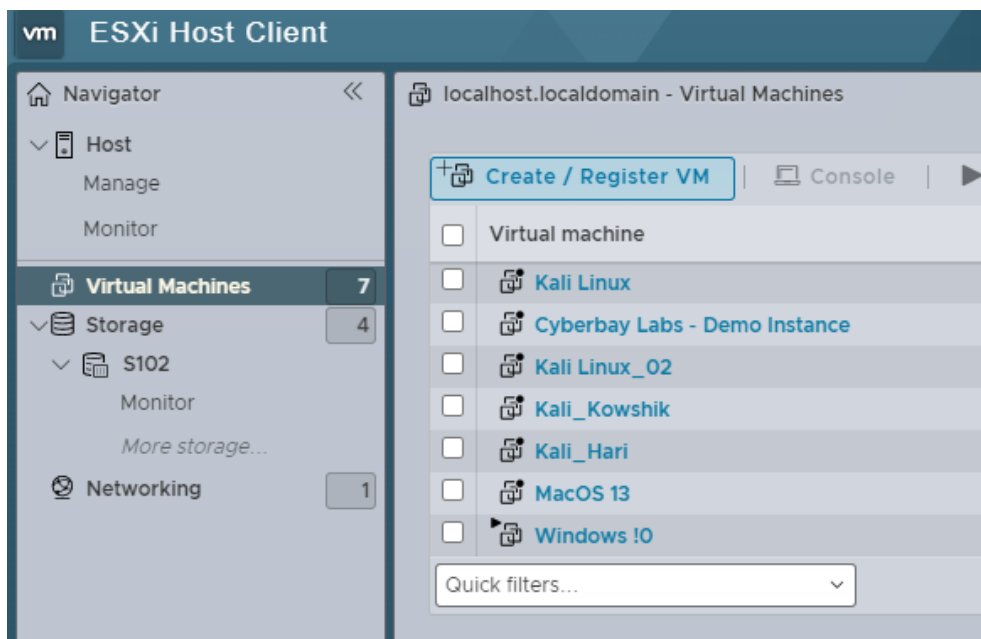
- Status can also be viewed by task list in the dashboard of vm server. Refer image

Recent tasks						
Task	Target	Initiator	Queued	Started	Result	Completed
Upload file to datastore	S102	root	04/17/2023 11:56:14	04/17/2023 11:56:14	<div></div>	
Find By Inventory Path	None	root	04/17/2023 11:51:41	04/17/2023 11:51:41	Completed successfully	04/17/2023 11:51:41
Make Directory	None	root	04/17/2023 11:49:51	04/17/2023 11:49:51	Completed successfully	04/17/2023 11:49:52
Power Off VM	MacOS 13	root	04/17/2023 11:41:57	04/17/2023 11:41:57	Completed successfully	04/17/2023 11:41:58

Img 6

Step 3

- Now Create a virtual machine instance on the server. For that select virtual machine option from left side list.
- Click on create/Register Vm. Refer image 7



Img 7

- Select a new virtual machine option and click next . as show in image 8

The screenshot shows the 'New virtual machine' wizard. On the left, a sidebar lists five steps: 1. Select creation type (highlighted), 2. Select a name and guest OS, 3. Select storage, 4. Customize settings, and 5. Ready to complete. The main area is titled 'Select creation type' with the subtitle 'How would you like to create a Virtual Machine?'. It contains two options: 'Create a new virtual machine' (highlighted with a blue header) and 'Register an existing virtual machine'. The 'Create a new virtual machine' option includes a description: 'Deploy a virtual machine from an OVF or OVA file'. To the right, a text block explains that this option guides the user through creating a new VM, allowing customization of processors, memory, network connections, and storage, and noting that a guest OS must be installed after creation. At the bottom right, there are four buttons: 'CANCEL', 'BACK', 'NEXT' (highlighted with a blue border), and 'FINISH'.

Img 8

- Type name of machine, select guest os family and select the version of OS.
- Click next.

The screenshot shows the second step of the wizard, titled 'New virtual machine - windows server 2019 (ESXi 8.0 virtual machine)'. The sidebar now highlights step 2: 'Select a name and guest OS'. The main area is titled 'Select a name and guest OS' with the subtitle 'Specify a unique name and OS'. It features a 'Name' input field containing 'windows server 2019'. Below this, a text block states that VM names can be up to 80 characters and must be unique. Another text block explains that identifying the guest OS allows for appropriate default settings. There are three dropdown menus: 'Compatibility' (set to 'ESXi 8.0 virtual machine'), 'Guest OS family' (set to 'Windows'), and 'Guest OS version' (set to 'Microsoft Windows Server 2019 (64-bit)'). Below these is an unchecked checkbox for 'Enable Windows Virtualization Based Security' with an information icon. At the bottom right, the buttons are 'CANCEL', 'BACK', 'NEXT' (highlighted with a blue border), and 'FINISH'.

Img 9

- Now select the storage where we want to install & save all the components.
- In this case we are going to save in the **S102**. click next

New virtual machine - windows server 2019 (ESXi 8.0 virtual machine)

- Select creation type
- Select a name and guest OS
- Select storage
- Customize settings
- Ready to complete

Select storage

Select the storage type and datastore

Standard Persistent Memory

Select a datastore for the virtual machine's configuration files and all of its virtual disks.

Name	Capacity	Free	Type	Thin provision	Access
datastore1	104.25 GB	101.92 GB	VMFS6	Supported	Single
S101	558.75 GB	474 GB	VMFS5	Supported	Single
S102	558.75 GB	258.22 GB	VMFS5	Supported	Single
TVL	111.75 GB	110.34 GB	VMFS6	Supported	Single

4 items

CANCEL BACK NEXT FINISH

Img 10

- Configure the specification of Vm as required for server 2019.
- Then click next. Refer image 11

New virtual machine - windows server 2019 (ESXi 8.0 virtual machine)

- Select creation type
- Select a name and guest OS
- Select storage
- Customize settings
- Ready to complete

Customize settings

Configure the virtual machine hardware and virtual machine additional options

Virtual Hardware VM Options

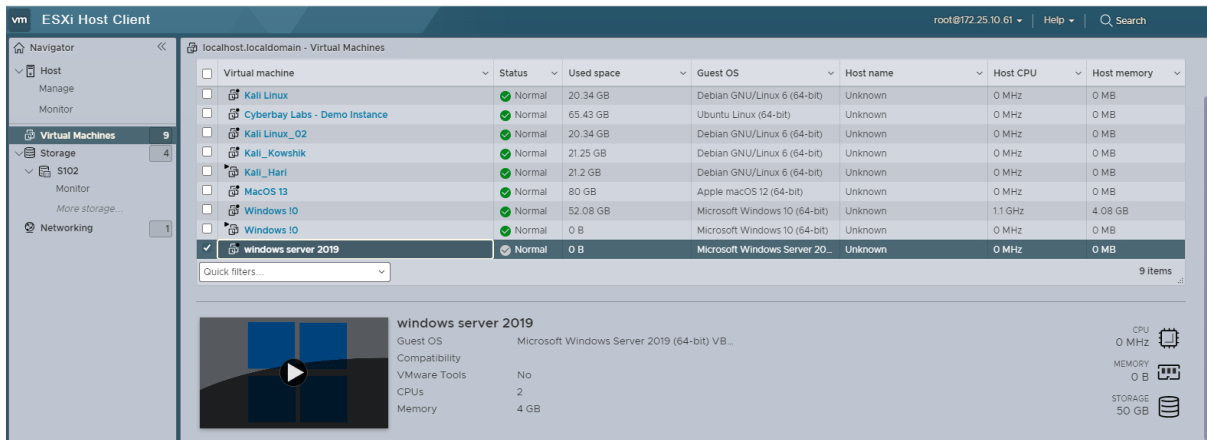
[Add hard disk](#)
[Add network adapter](#)
[Add other device](#)

CPU	2		
Memory	4096	MB	
Hard disk 1	50	GB	X
SCSI Controller 0	LSI Logic SAS		X
SATA Controller 0			X
USB controller 1	USB 3.1		X
Network Adapter 1	VM Network	<input checked="" type="checkbox"/> Connect	X

CANCEL BACK NEXT FINISH

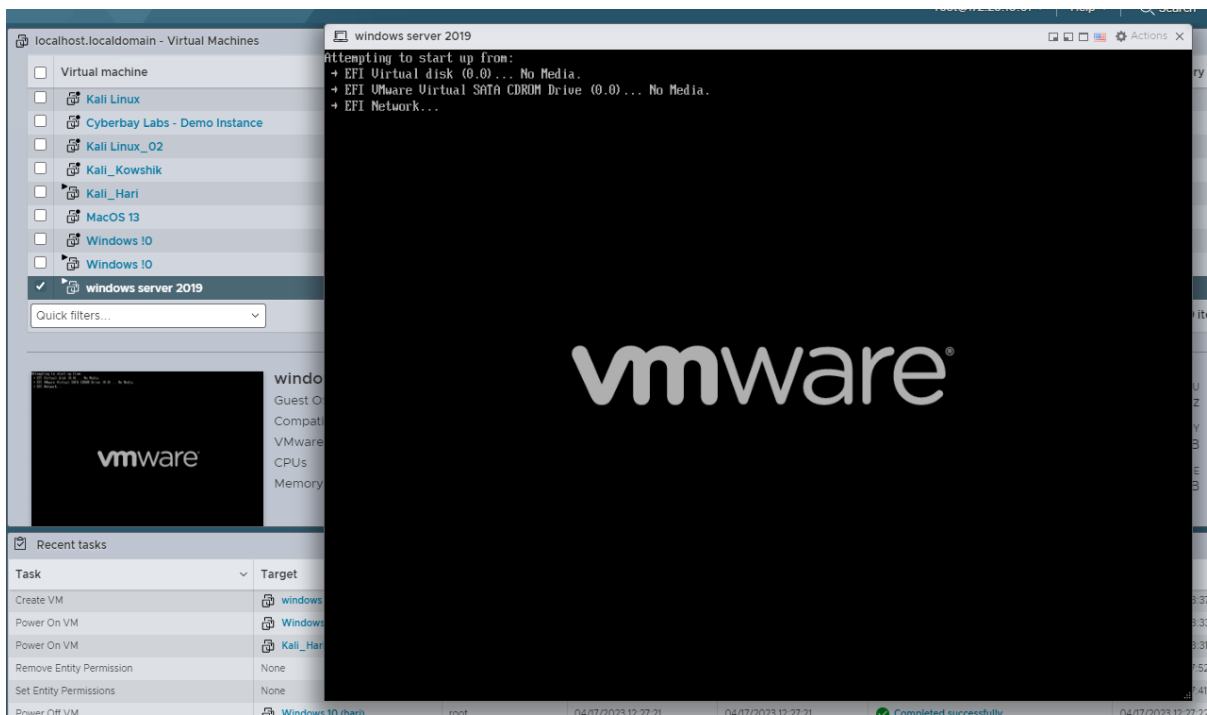
Img 11

- After all setup review it once and then click on finish.
- Your virtual machine instance will show here. Refer image 12



Img 12

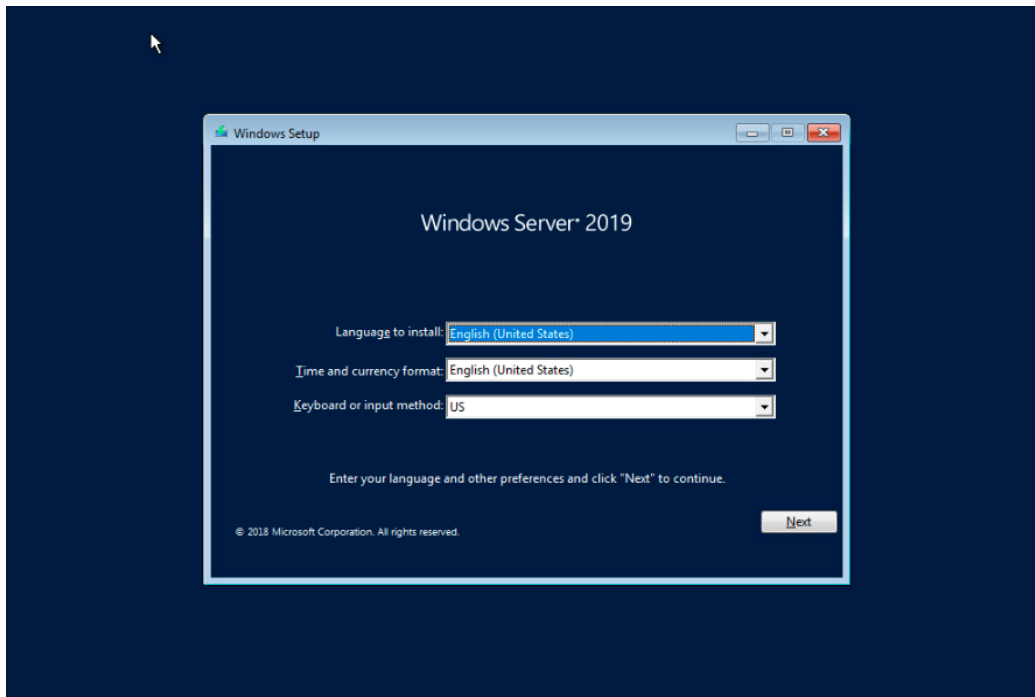
- By clicking on play vm your Vm will start booting



Img 13

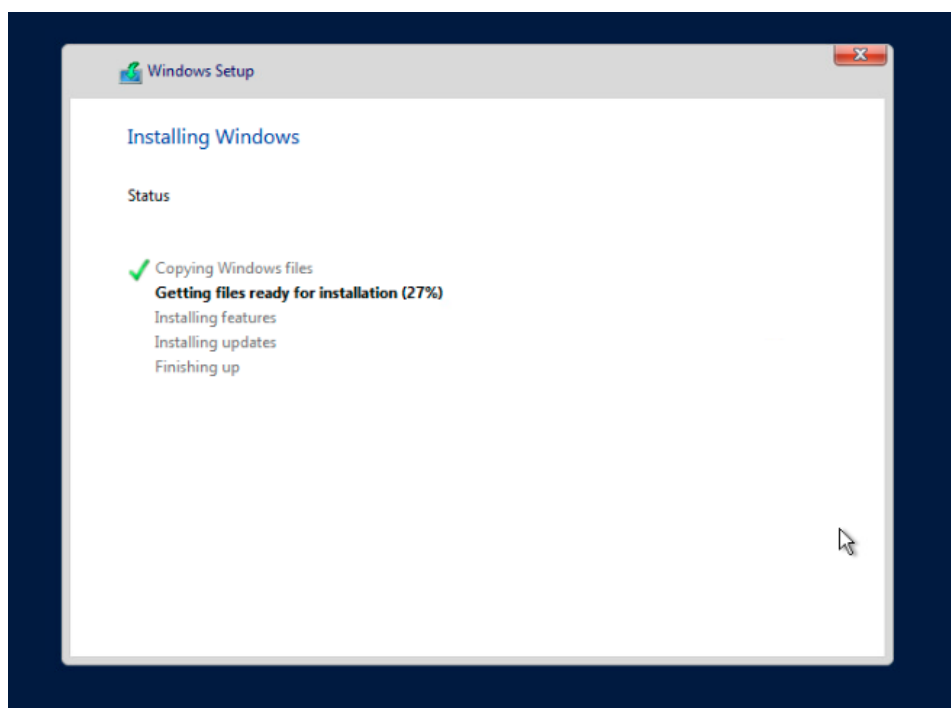
Step 4

- After booting up start your windows Server installation
- Select language to be install and start installation



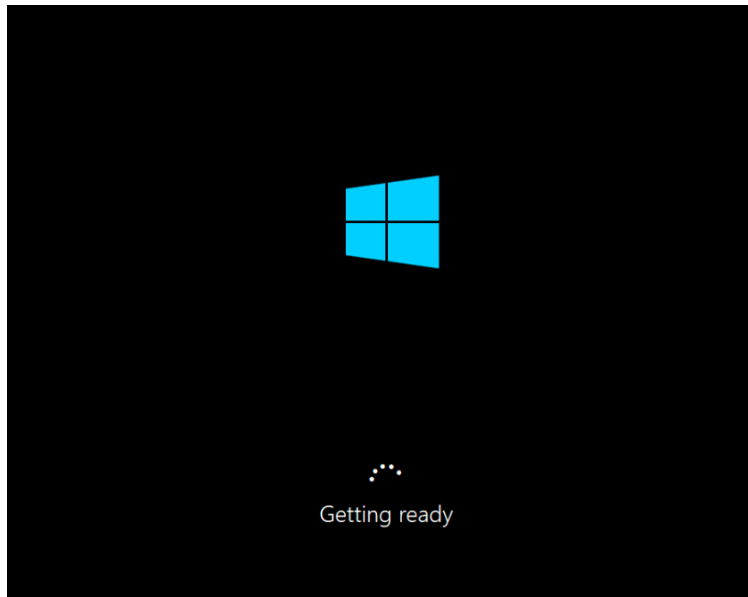
Img 14

- Select the partition of the disk
- Select option install custom: windows only
- Installation window will appear and status of installation is shown in the below Img 15



Img 15

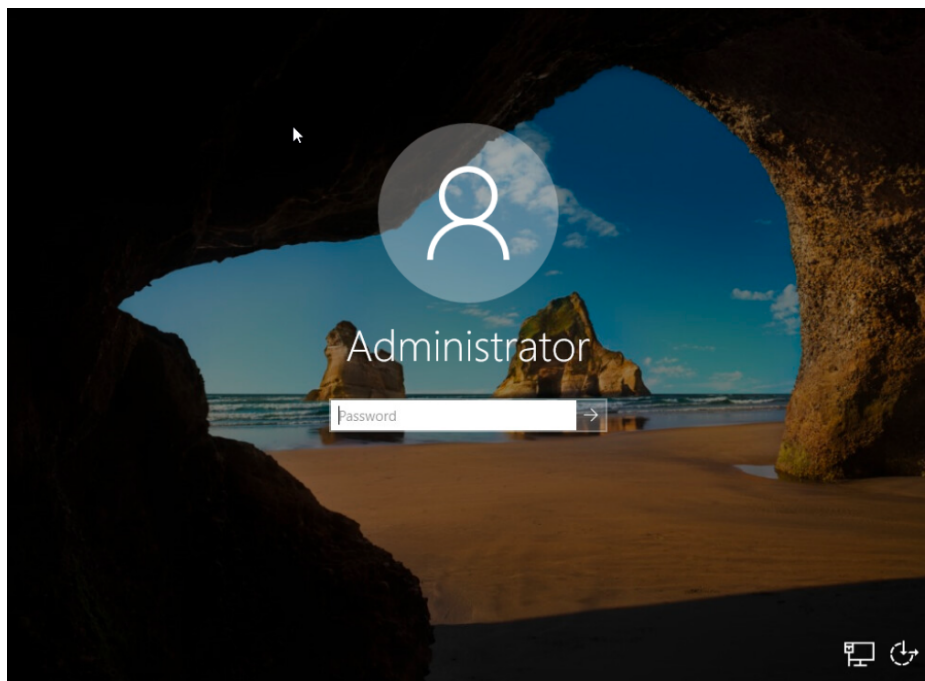
- If everything is fine your window server will start booting normally



Img 16

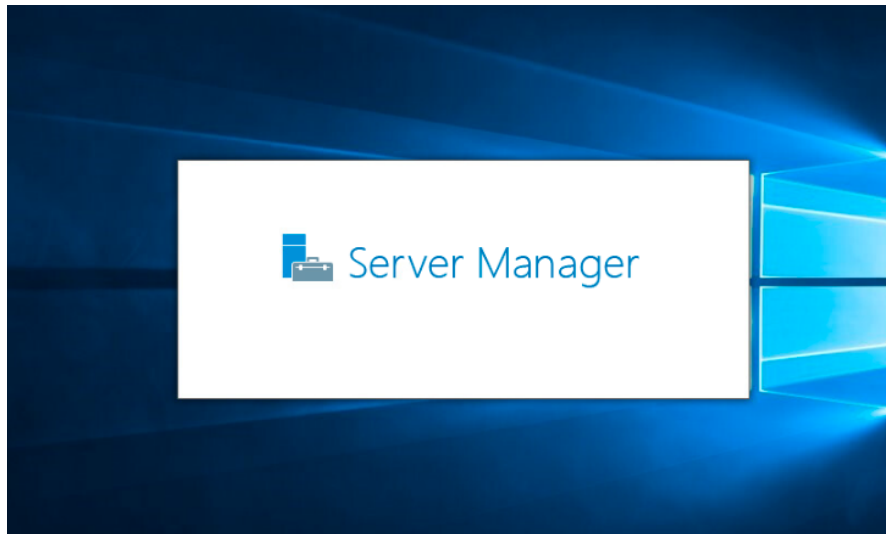
Step 5

- On the successful installation you have to set the Administrator account password.
- After the Admin User password setup Enter The password and login to the system.



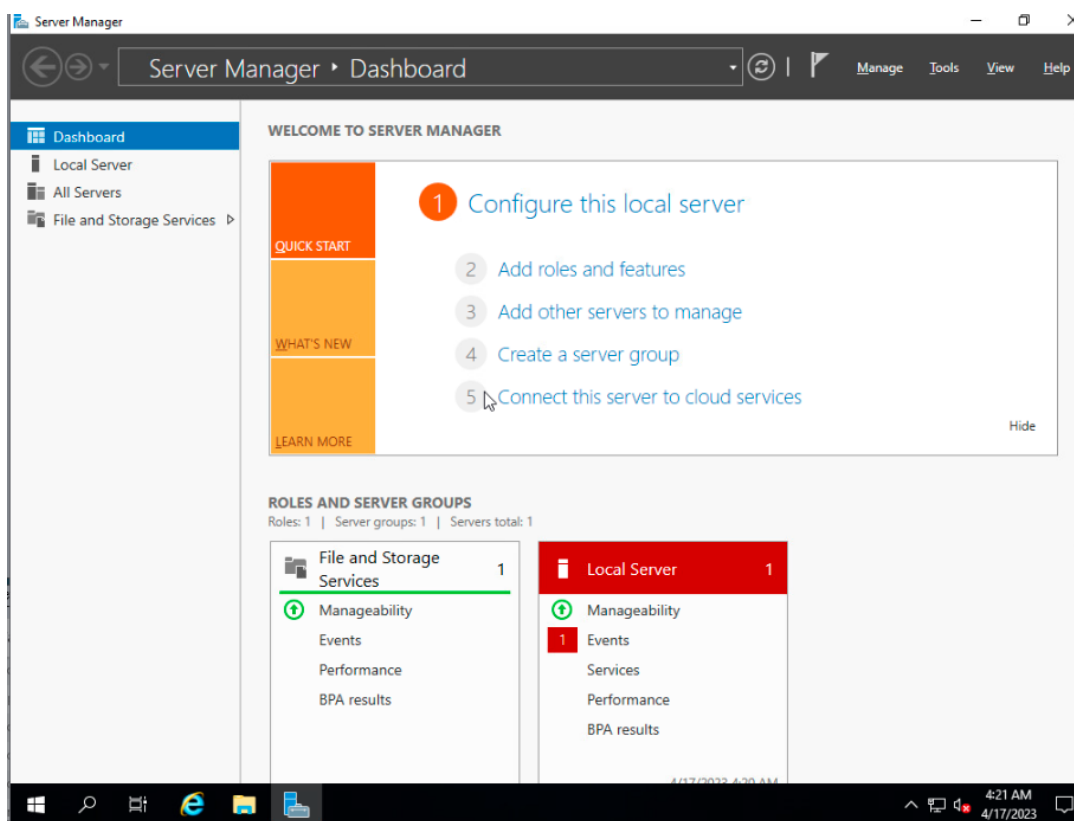
Img 17

- After successful login server manager will Auto-start



Img 18

- After opening Server Dashboard will look like this



Img 19

- ☒ So we successfully installed Windows Server 2019 on the internal Vm Server.

-----EOD-----