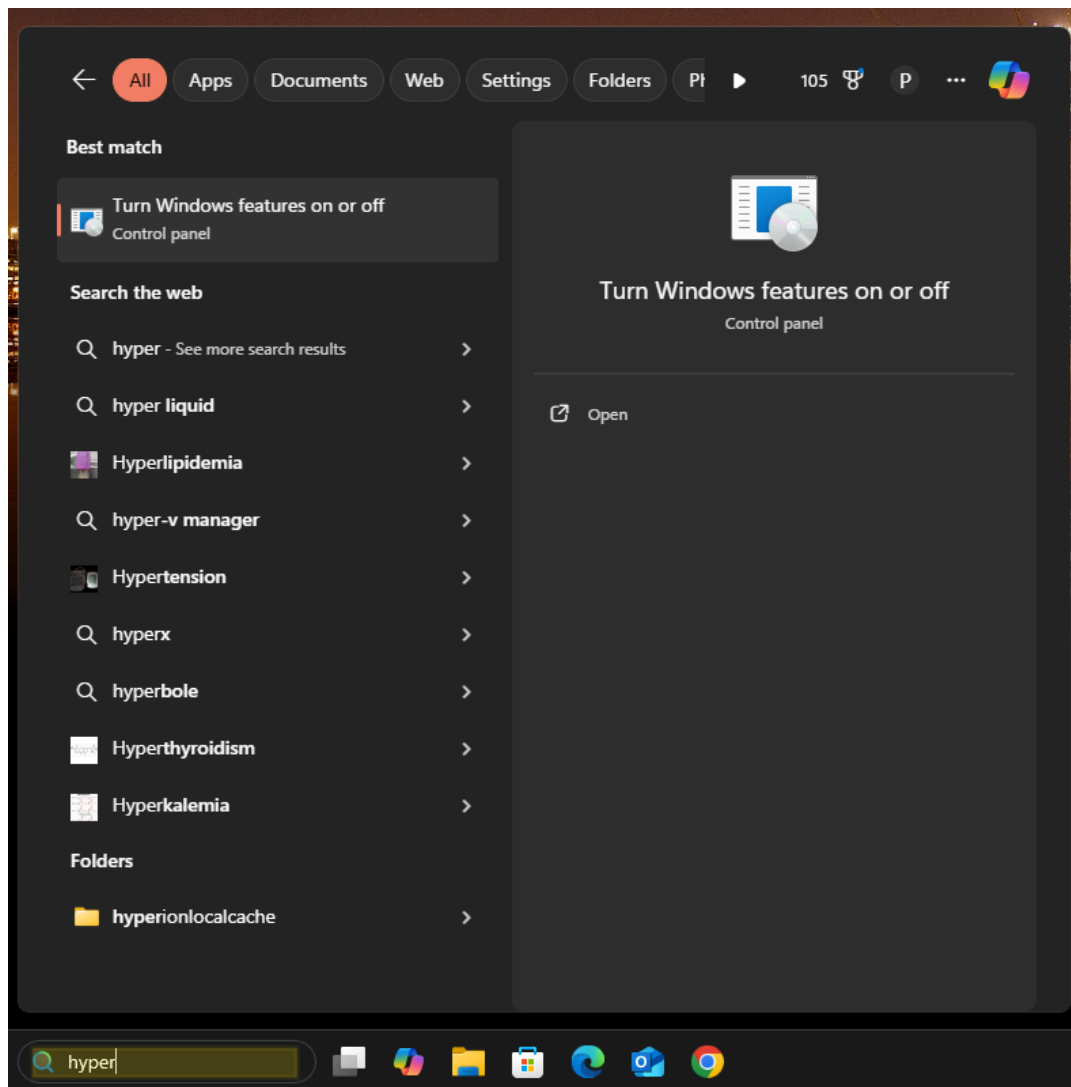
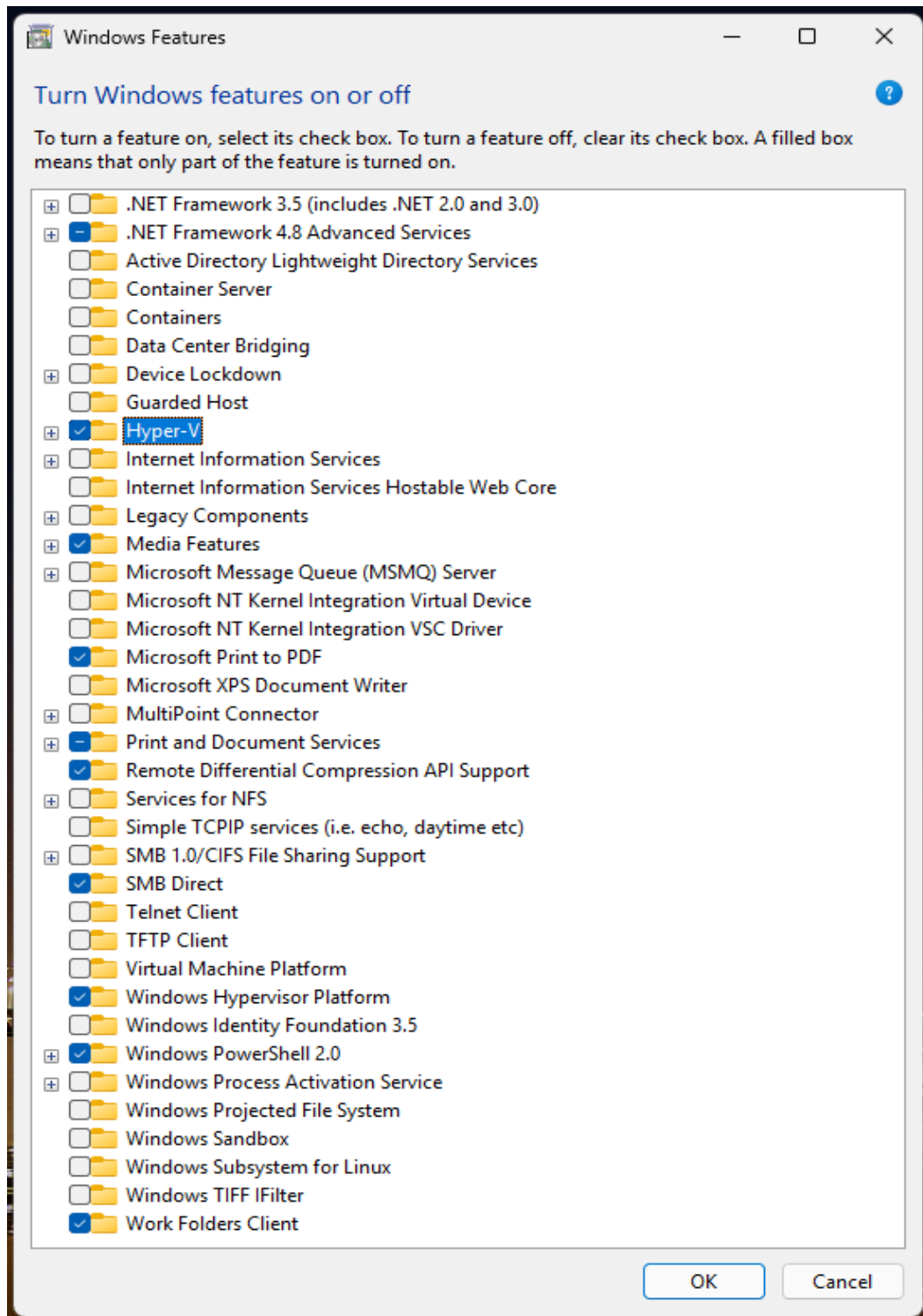


In this Document, we are going to set up **Hyper-V**, add **Windows 11 Enterprise** and **Windows Server 2022 ISO**. Configuring Windows 11 Enterprise and Windows Server 2022 within a domain will be in a separate documentation.

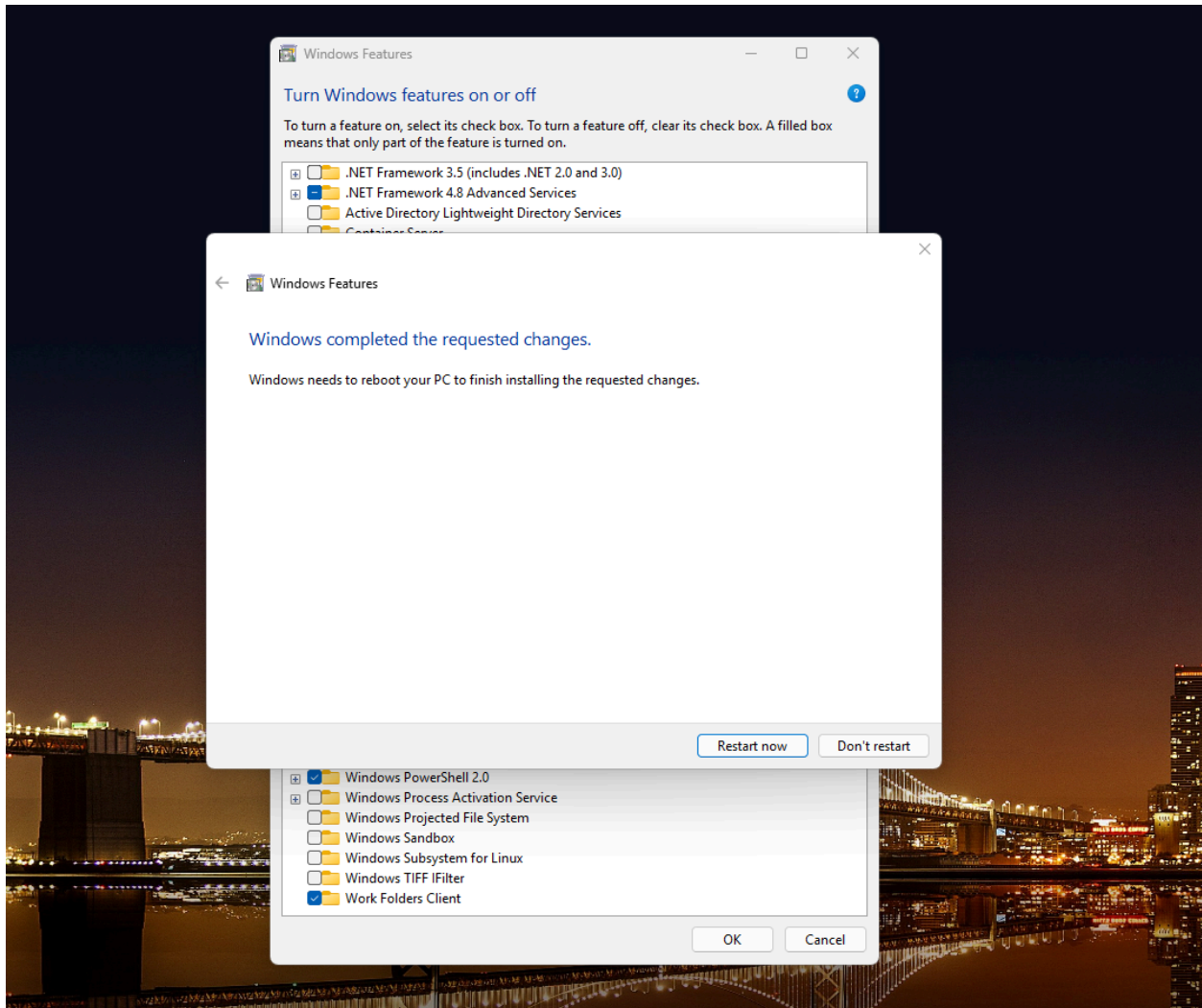
1. We will go to the Windows search bar and type "hyper". If "Hyper-V Manager" appears in the search results, Hyper-V is likely already enabled. If not, select "Turn Windows features on or off".



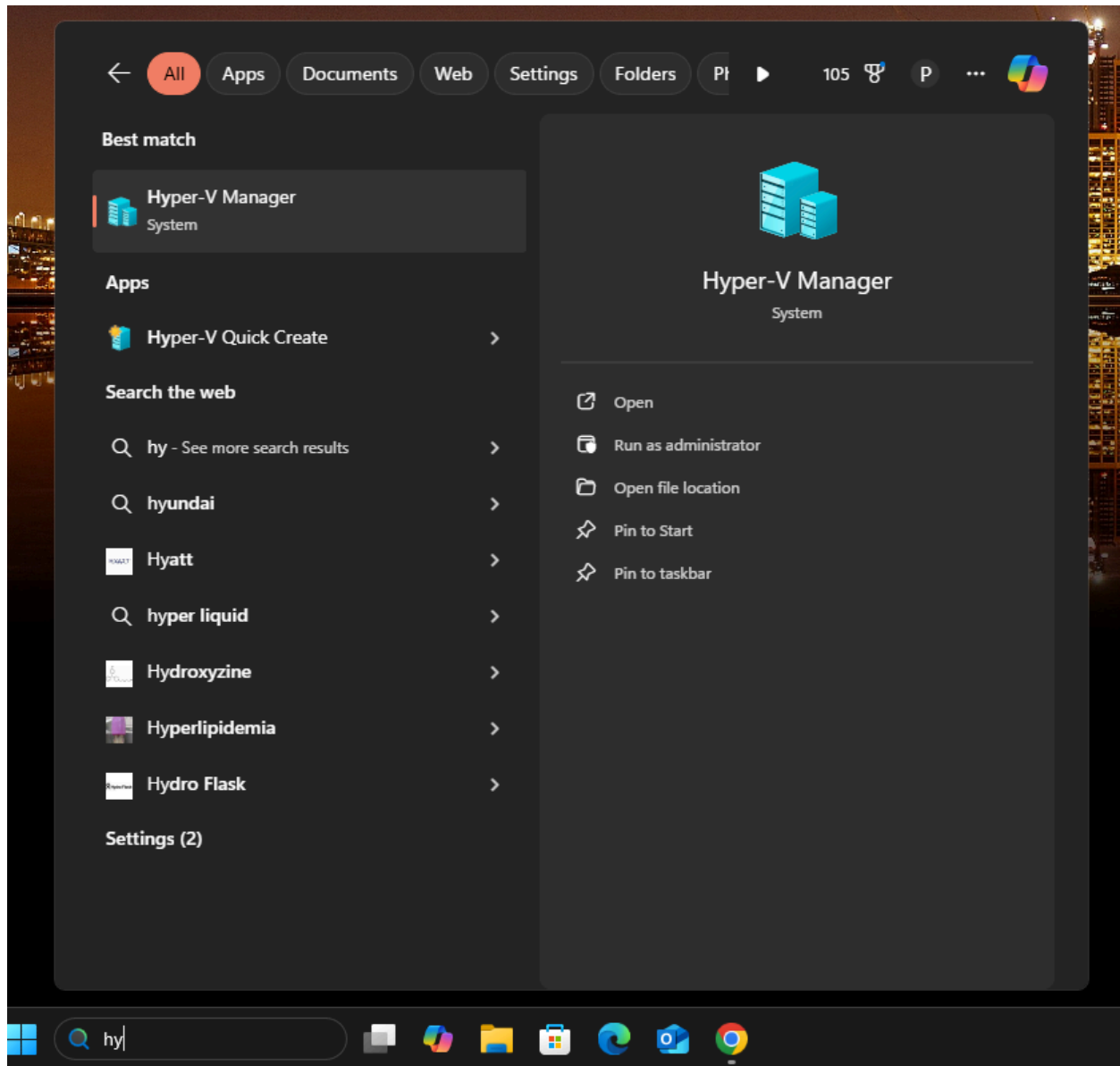
2. In the "Windows Features" window, locate "Hyper-V" and check the box next to it. Click "OK".



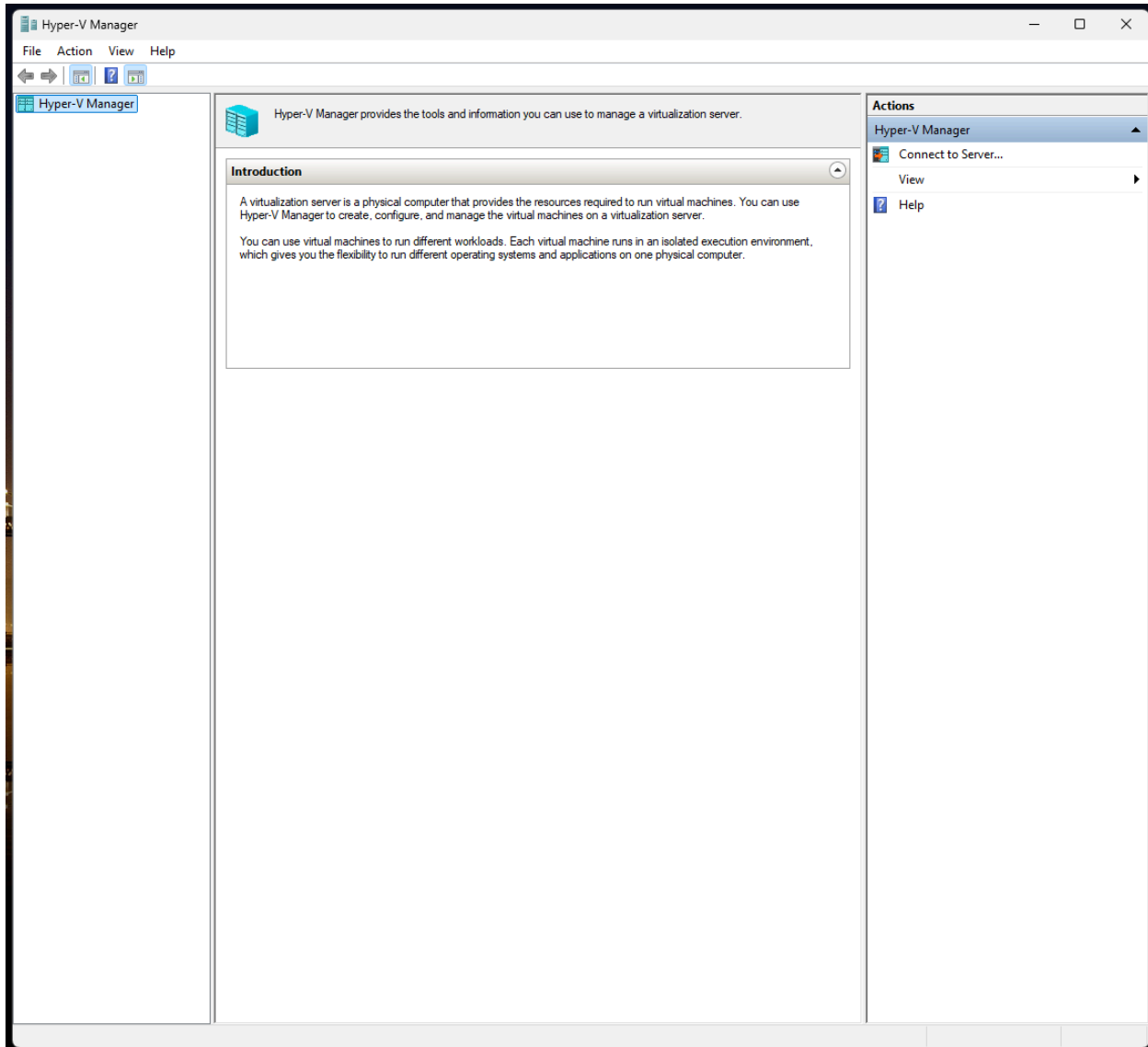
3. We will be prompted to restart your device. Click "Restart now" to complete the Hyper-V enablement process.



- After the computer restarts, we will go to the Windows search bar again and type "Hy". Select and open "Hyper-V Manager" from the search results.



5. Hyper-V will open, and we will see the following screen.

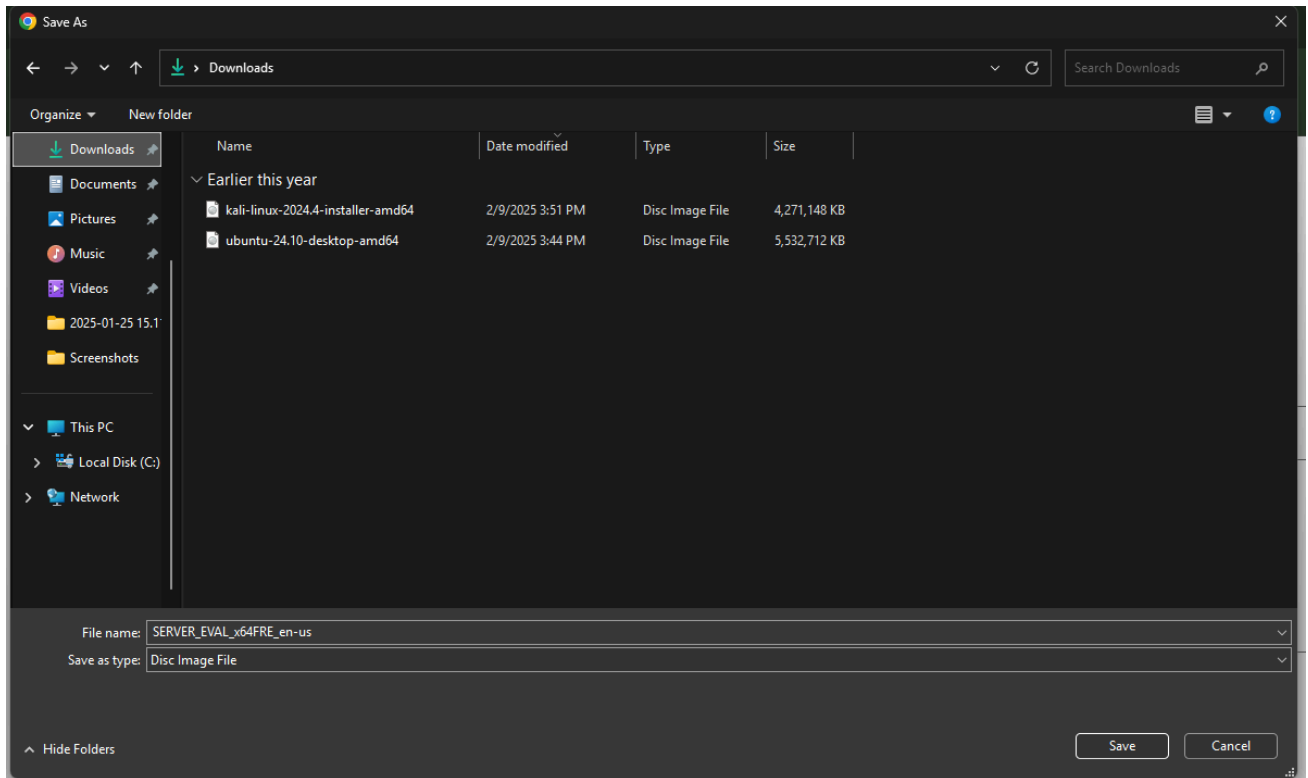


6. As the Hyper-V is ready for some work, now we will download the ISO files for "Windows Server 2022" and "Windows 11 Enterprise". Once the downloads are complete, we will return to the Hyper-V Manager to proceed with creating virtual machines.


7. We will go to the official Microsoft Download Center page to download the Windows Server 2022 ISO file: <https://www.microsoft.com/en-us/evalcenter/download-windows-server-2022>

Microsoft Evaluation Center	Windows	Windows Server	SQL Server	System Center	Microsoft Security	Additional products	All Microsoft
Please select your Windows Server 2022 download							
English (United States)	ISO downloads 64-bit edition >	VHD download 64-bit edition >	Try on Azure Learn more >	Create a VM in Azure Learn more >			
Chinese (Simplified)	ISO downloads 64-bit edition >						
French	ISO downloads 64-bit edition >						
German	ISO downloads 64-bit edition >						
Italian	ISO downloads						

- Download the ISO file for the 64-bit edition. We will be prompted to choose a location on your computer to save the ISO copy.



9. Now, we will go to the Microsoft Download Center webpage to download Windows 11 Enterprise:
<https://www.microsoft.com/en-us/evalcenter/evaluate-windows-11-enterprise>

 | **Evaluation Center** Windows Windows Server SQL Server System Center Microsoft Security Additional products All Microsoft

Windows 11 Enterprise

Overview Get started for free Description Prerequisites Resources Supporting products

Overview

This evaluation software is designed for IT professionals interested in trying Windows 11 Enterprise on behalf of their organization. We do not recommend that you install this evaluation if you are not an IT professional or are not professionally managing corporate networks or devices.

Get started for free

Please select your product experience:

[Download the ISO - Windows 11 Enterprise >](#)

[Download the ISO - Windows 11 Enterprise LTSC >](#)

Description

Windows 11 Enterprise, version 24H2 is designed for flexible work, offering features and enhancements focused on productivity, collaboration, and security. Specifically:

- Hardware-based protection from the chip to the cloud
- A streamlined, intuitive, and powerful user experience
- Inclusive and productive experiences for everyone

In addition to being the most secure version of Windows yet, version 24H2 offers new capabilities and improvements developed in direct response to enterprise feedback, including:

- Personal Data Encryption (PDE) for folders
- Windows protected print mode
- Support for Wi-Fi 7 and Bluetooth ® Low Energy (LE) Audio
- Automatic account management and image rollback detection for Windows Local Administrator Password Solution (LAPS)

Looking for more information? See [What's new in Windows 11, version 24H2](#).

10. On the webpage, select the option to "Download the ISO - Windows 11 Enterprise".

11. After selecting the download option, we will be redirected to a page where we need to register for the free trial.



Evaluate Windows 11 Enterprise

Windows 11 is designed for hybrid work, offering features and enhancements focused on productivity, collaboration and security. Specifically:

- Hardware-based protection from the chip to the cloud
- A streamlined, powerful user experience
- Deeper integration with collaboration and communication apps

While you can plan for, prepare and deploy Windows 11 just as you do today with Windows 10, Windows 11 offers enhancements developed in direct response to your feedback, including:

- More than 1,000 new management controls
- A simplified servicing cadence

Learn more about the features of [Windows 11](#).

Register for your free trial today

Complete the form below.

* First name

* Last name

* Email

* Company name

* Country/Region

* Company size

* Job role

* Phone

Questions/Comments

[Download now](#)

* Please complete required fields

12. We will be prompted to "Register for your free trial today". Input the required information, including: Name, Email, Company name (we can use your own name if we don't have a company), Company region, Company size, Job role, Phone number. Click the "Download now" button after entering the information.

Register for your free trial today

Complete the form below.

* First name

S

* Last name

P

* Email

sp123@company.com

* Company name

SP123

* Country/Region

United States

* Company size

1

* Job role

Owner

* Phone

United States (+1) 9876543210

Questions/Comments

I will receive information, tips, and offers about Solutions for Businesses and Organizations and other Microsoft products and services. [Privacy Statement](#).

☒ I would like Microsoft to share my information with select partners so I can receive relevant information about their products and services. [Privacy Statement](#).

Download now

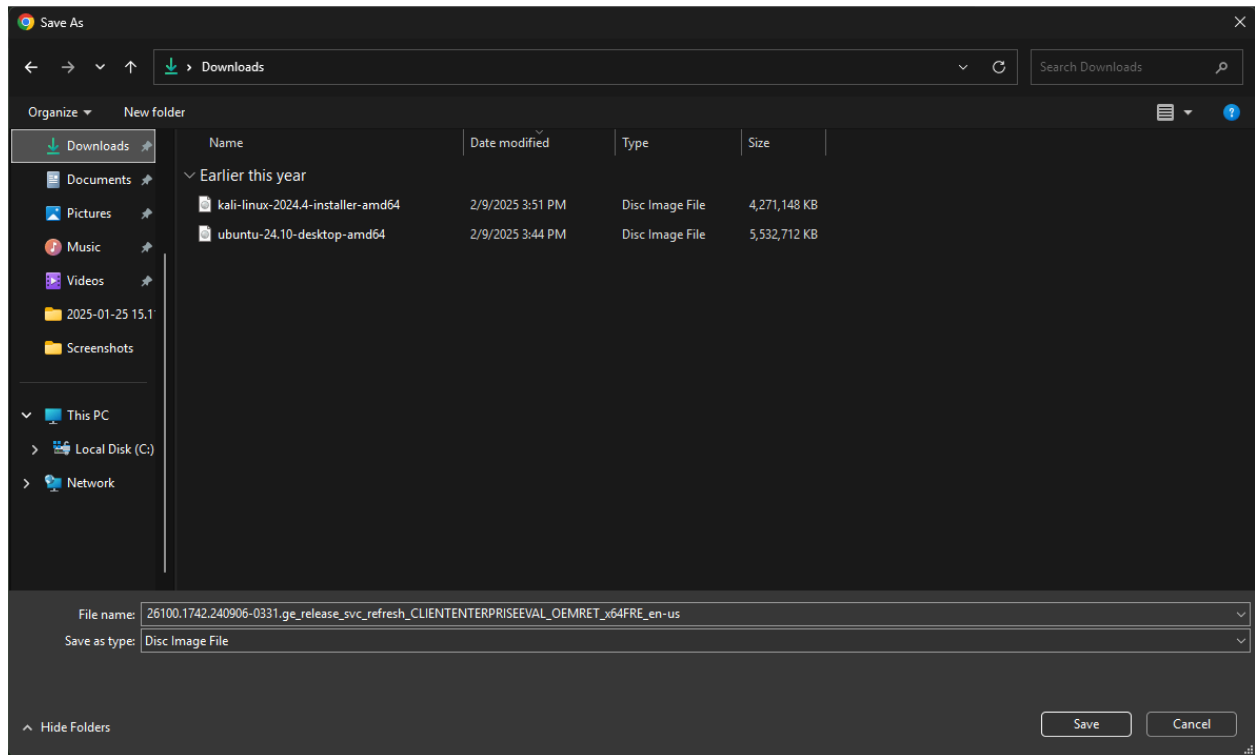
* Please complete required fields

13. We will be taken to a page that provides ISO download options for different regions. Choose the desired ISO option: ISO - Enterprise for 64-bit edition, ISO - ARM64 edition, ISO - Enterprise LTSC for 64-bit edition. For this project, select "ISO - Enterprise 64-bit edition"

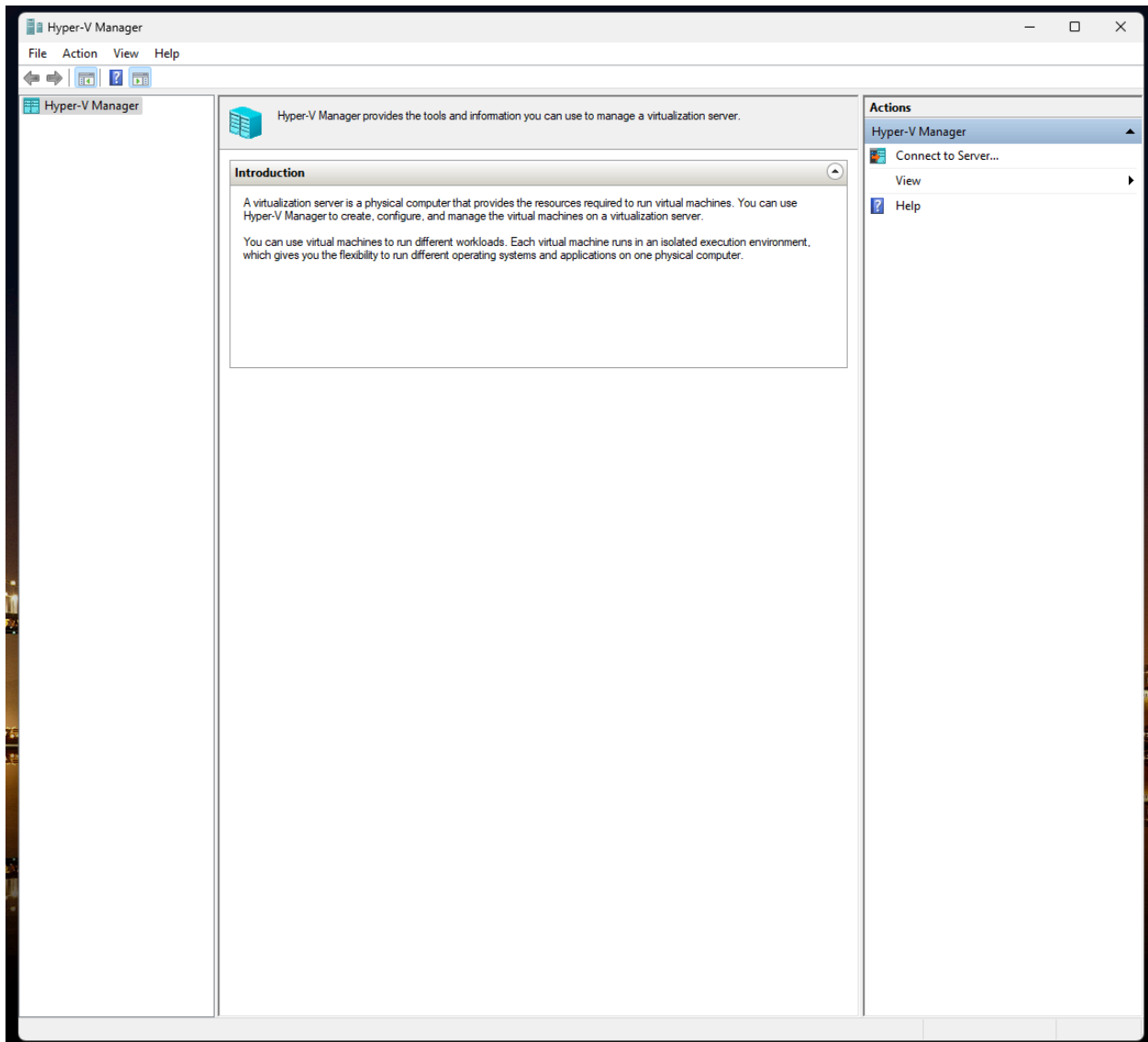
Please select your Windows 11 Enterprise download

English (United States)	ISO – Enterprise download 64-bit edition > ARM64 edition >	ISO – Enterprise LTSC download 64-bit edition >
English (Great Britain)	ISO – Enterprise download 64-bit edition > ARM64 edition >	ISO – Enterprise LTSC download 64-bit edition >
Chinese (Simplified)	ISO – Enterprise download 64-bit edition > ARM64 edition >	ISO – Enterprise LTSC download 64-bit edition >
Chinese (Traditional)	ISO – Enterprise download 64-bit edition > ARM64 edition >	ISO – Enterprise LTSC download 64-bit edition >
French	ISO – Enterprise download 64-bit edition > ARM64 edition >	ISO – Enterprise LTSC download 64-bit edition >
German		

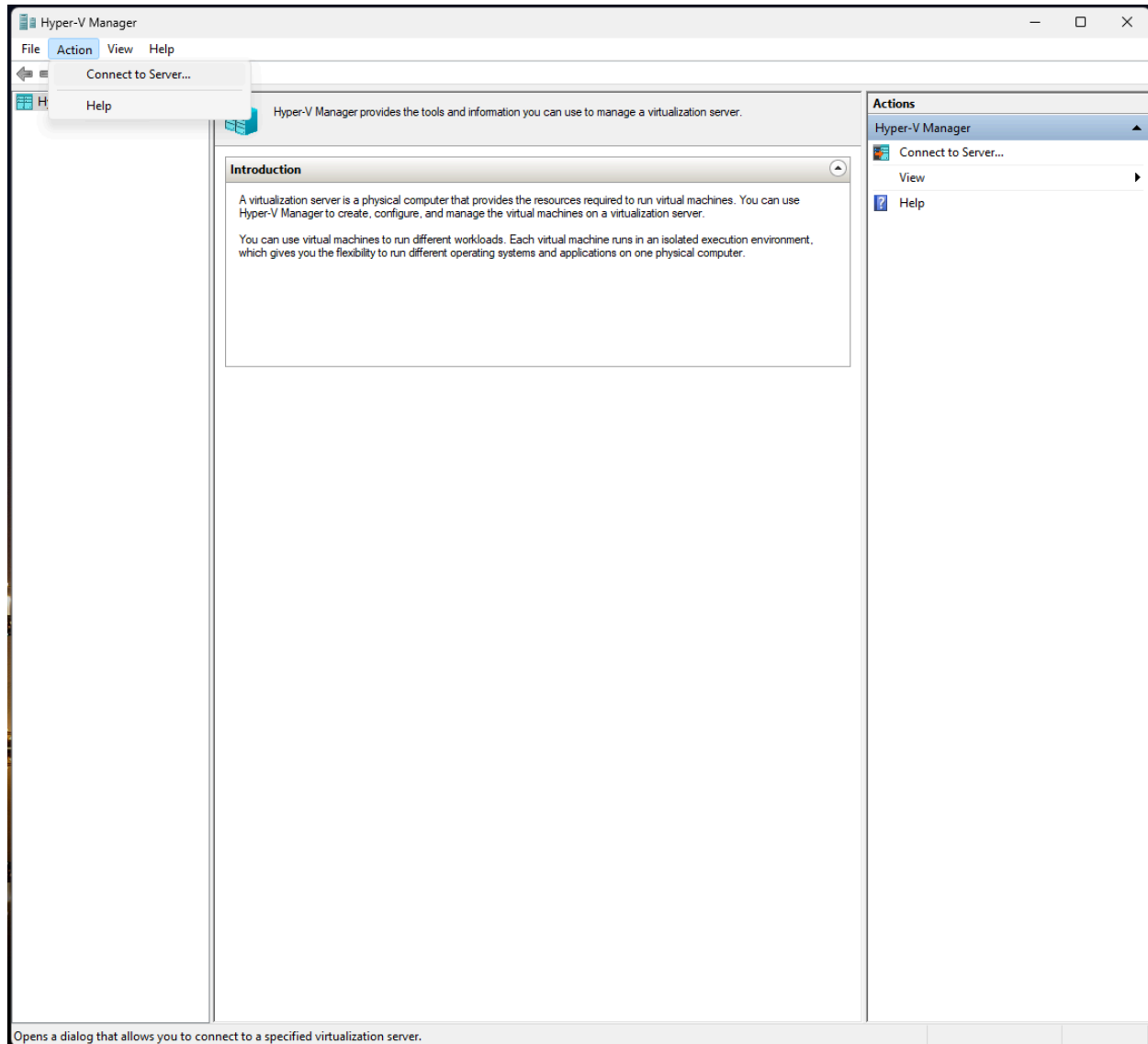
14. After selecting the ISO type, the download process will begin. We will be prompted to choose a location on your computer to save the ISO copy.



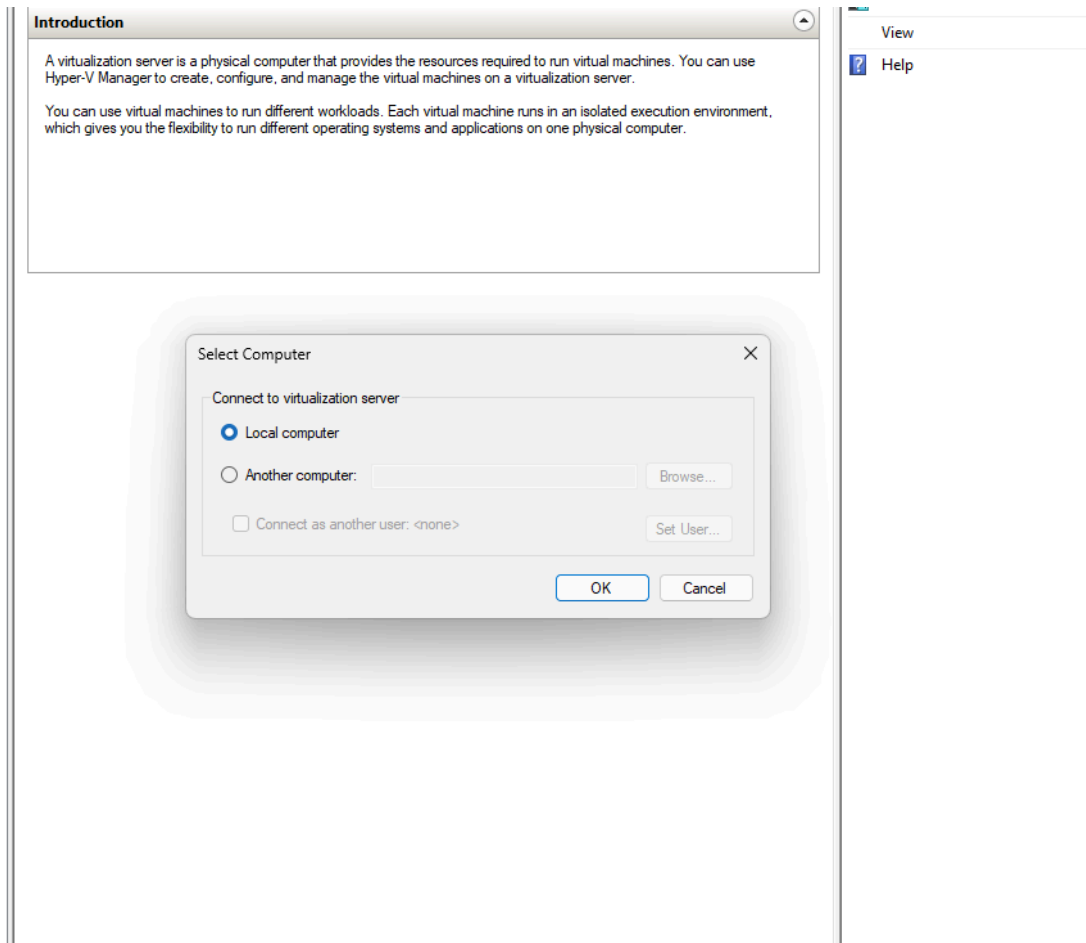
15. Now that we have downloaded the necessary ISO files (Windows 11 Enterprise and Windows Server 2022), return to Hyper-V Manager to begin setting up your virtual machines.



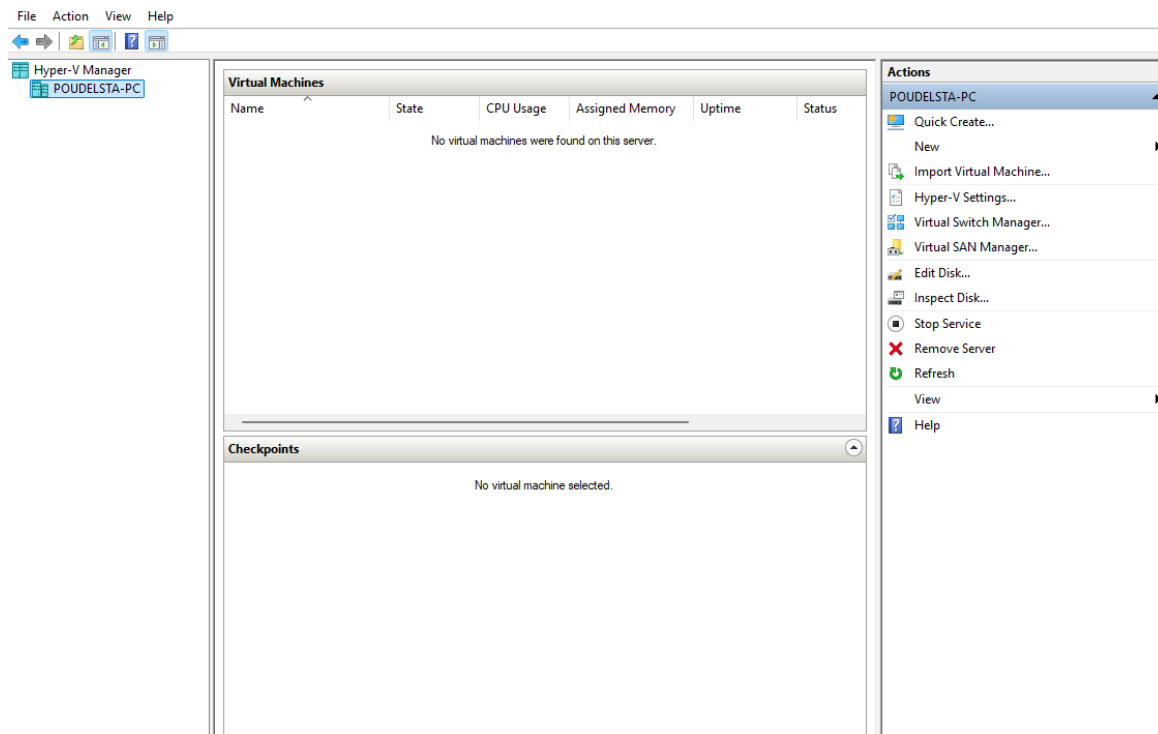
16. To begin, find the "Action" tab in the upper left corner of the Hyper-V Manager window, and select "Connect to Server"; alternatively, we can go to the far right side of the window, and under the "Actions" pane, select "Connect to Server".



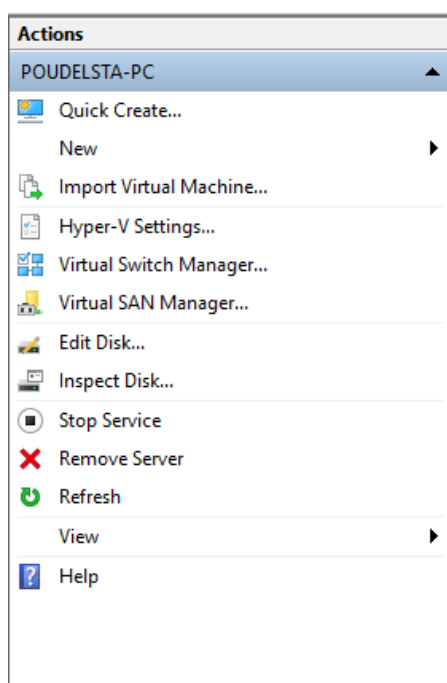
17. Once we select "Connect to Server", a dialog box will appear, prompting us to select the computer we want to connect to; by default, "Another computer" is selected, but we should select "Local computer" since we downloaded the ISO to our local machine



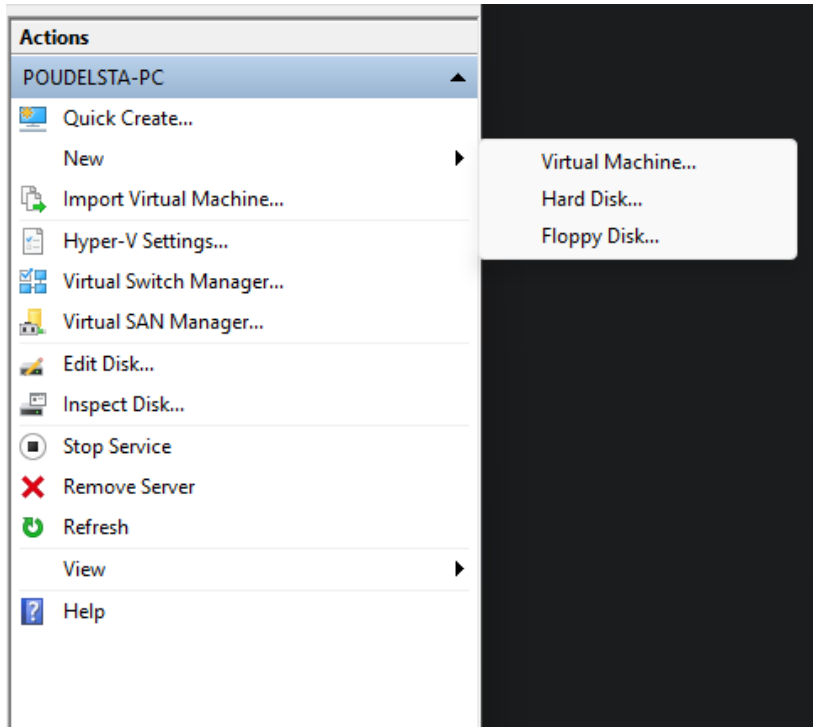
18. Now, we should be able to see the Hyper-V Manager with your local computer displayed, for example, as "POUDELSTA-PC".



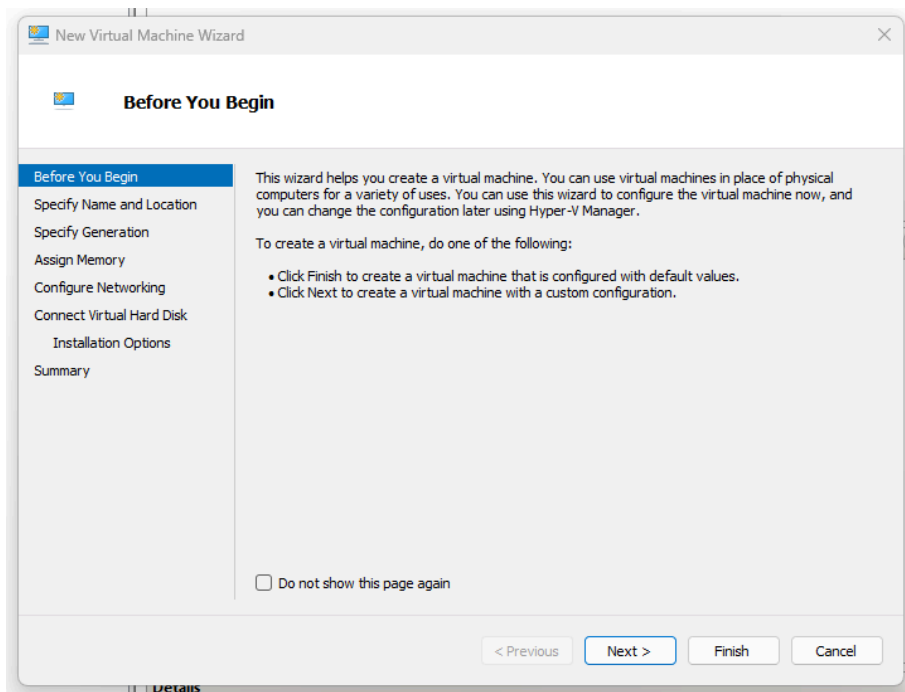
19. Next, we are going to install a virtual machine; on the right side, within the "Actions" pane, locate and select "New", and then choose "Virtual Machine" from the submenu.



20. Select “New” and select ‘Virtual machine”



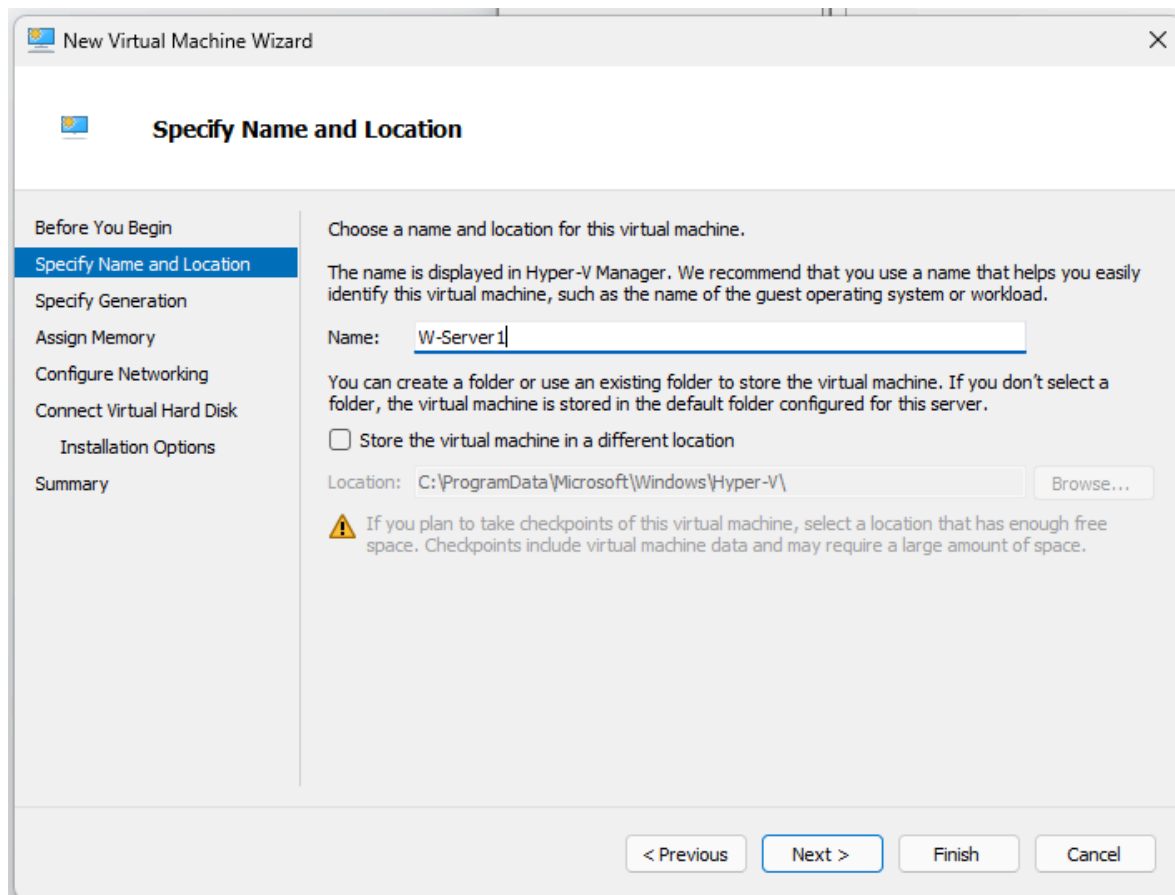
21. It will open a dialogue box where we can configure the VM.



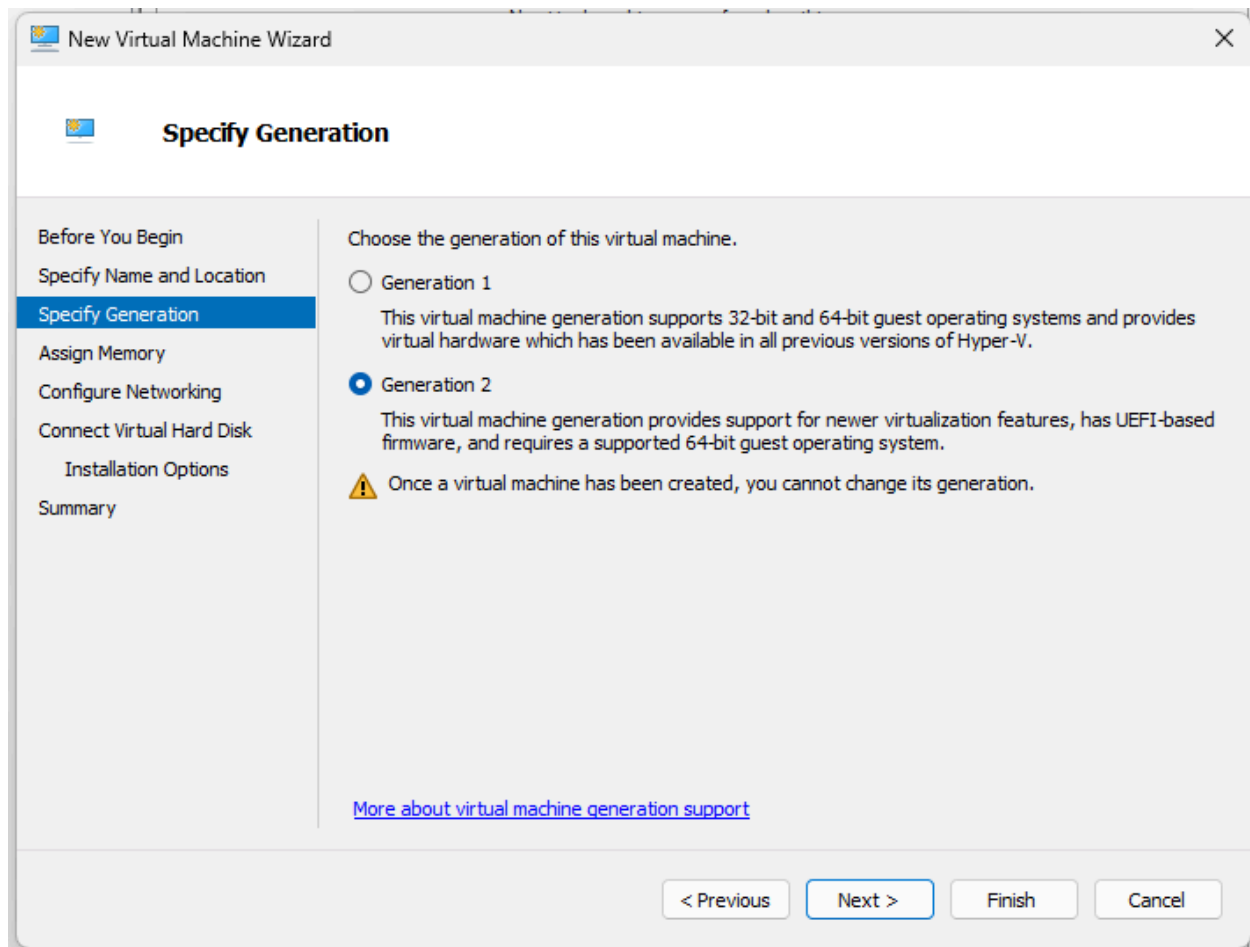
22. Click “Next”.

23. We will be prompted to choose a name and a Location for the Virtual Machine.

24. To make it easy, I am going to name it W-Server1(Windows Server 1) and continue to the Next.



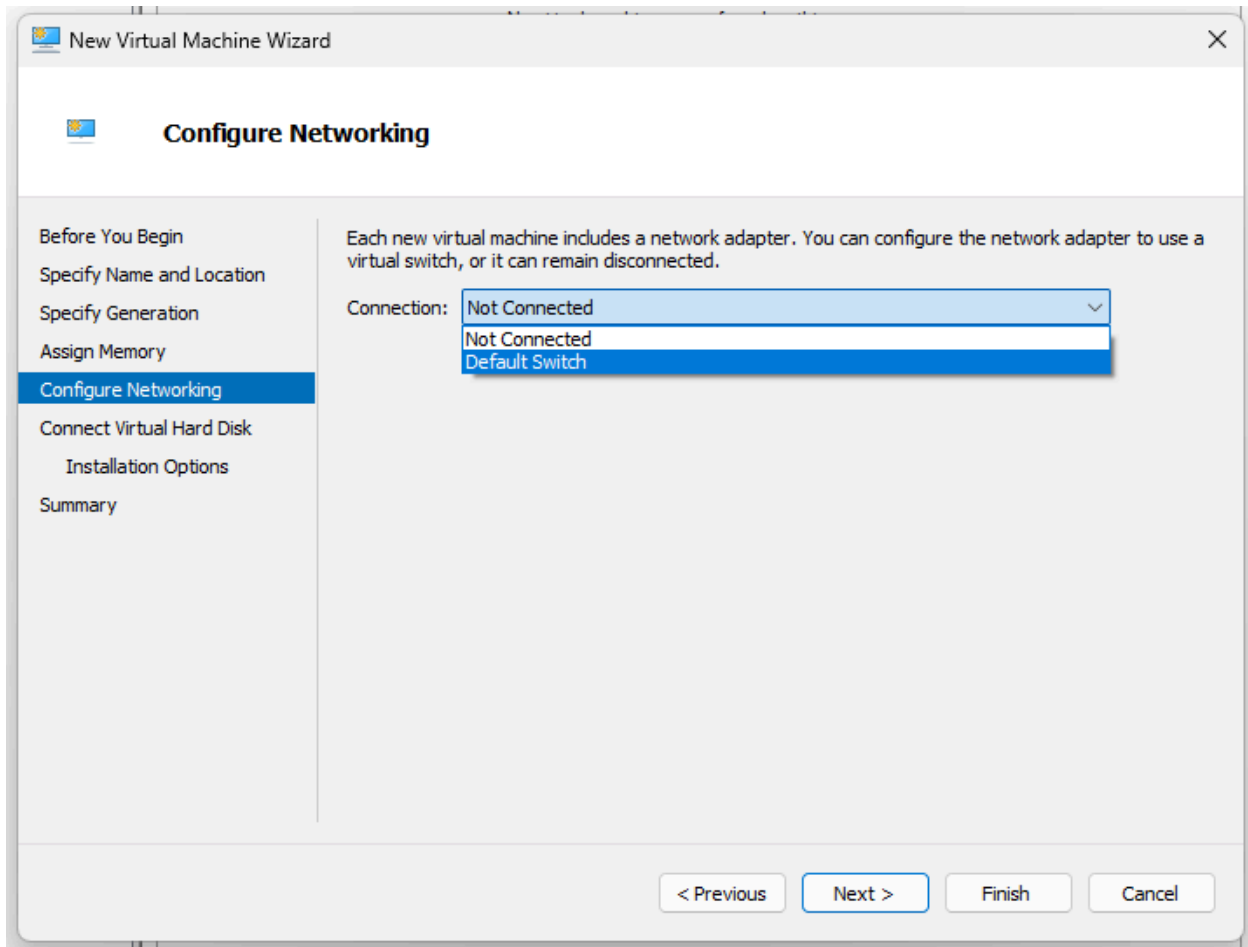
25. We will be prompted to choose the Generation of this Virtual Machine. I am going to choose “Generation 2” for the 64-bit guest operating system.



26. Next, we are asked to Assign Memory. We are going to assign 4096 MB, as we are required to have 4GB at a minimum. And I am going to uncheck the “Use Dynamic Memory for this virtual machine” box, which is checked by default. And we move to the Next. (You can add more memory if you want.)

The screenshot shows the 'New Virtual Machine Wizard' window, specifically the 'Assign Memory' step. The window has a title bar with the text 'New Virtual Machine Wizard' and a close button. On the left side, there is a navigation pane with the following steps: 'Before You Begin', 'Specify Name and Location', 'Specify Generation', 'Assign Memory' (which is highlighted with a blue background), 'Configure Networking', 'Connect Virtual Hard Disk', 'Installation Options', and 'Summary'. The main area of the window is titled 'Assign Memory' and contains the following text: 'Specify the amount of memory to allocate to this virtual machine. You can specify an amount from 32 MB through 251658240 MB. To improve performance, specify more than the minimum amount recommended for the operating system.' Below this text, there is a 'Startup memory:' label followed by a text box containing '4096' and 'MB'. There is an unchecked checkbox labeled 'Use Dynamic Memory for this virtual machine.' Below the checkbox, there is an information icon (a blue circle with a white 'i') followed by the text: 'When you decide how much memory to assign to a virtual machine, consider how you intend to use the virtual machine and the operating system that it will run.' At the bottom of the window, there are four buttons: '< Previous', 'Next >' (which is highlighted with a blue border), 'Finish', and 'Cancel'.

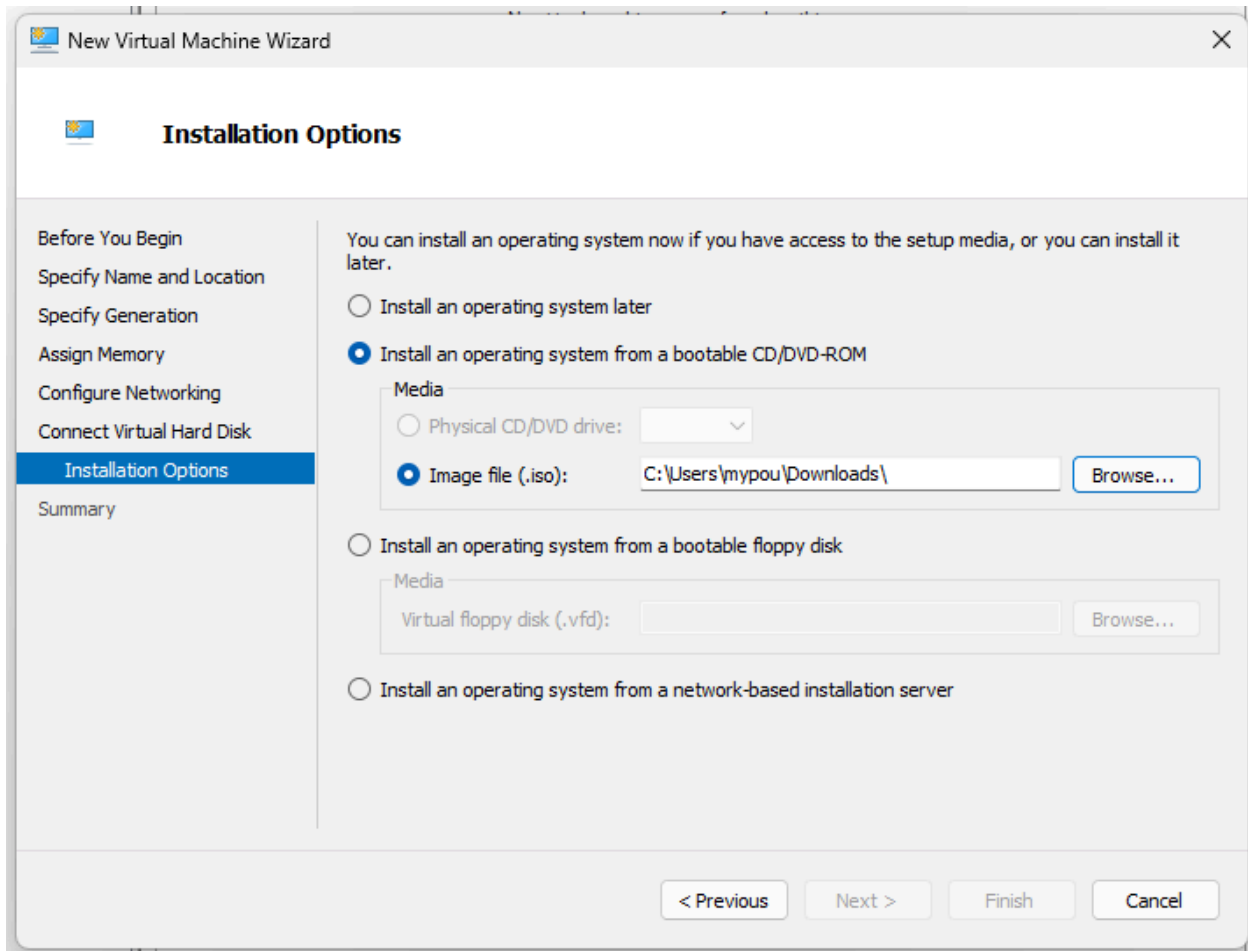
27. Now we have to Configure Networking. By default, the connections are set to “Not Connected.” We are going to click on the dropdown, select “Default Switch”, and continue to the next.



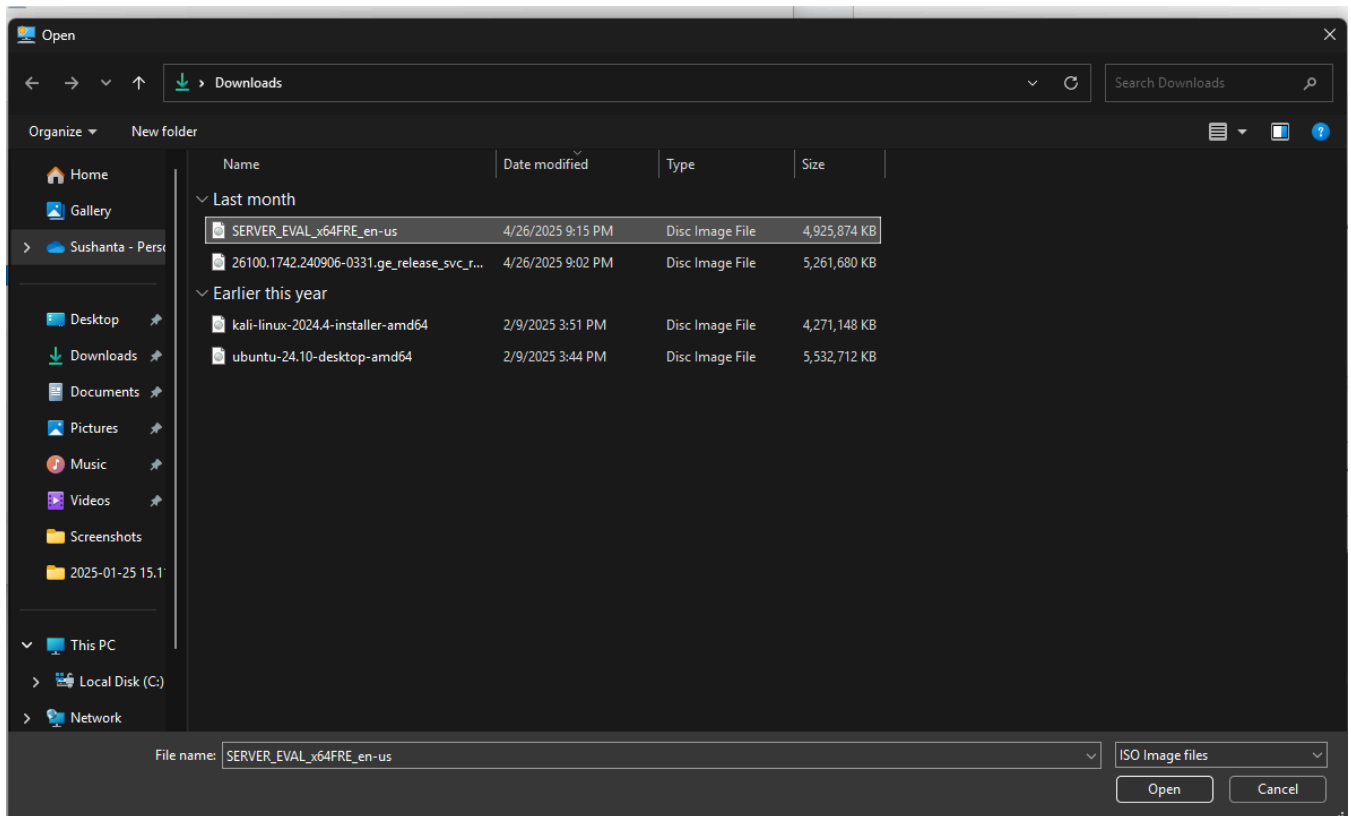
28. We are going to change the Virtual hard disk size from the default to 64GB on “Connect Virtual Hard Disk”. We will click next and continue. (You can add more storage if you want.)

The screenshot shows the 'New Virtual Machine Wizard' window, specifically the 'Connect Virtual Hard Disk' step. The window has a title bar with the text 'New Virtual Machine Wizard' and a close button. On the left, there is a navigation pane with the following steps: 'Before You Begin', 'Specify Name and Location', 'Specify Generation', 'Assign Memory', 'Configure Networking', 'Connect Virtual Hard Disk' (which is highlighted in blue), 'Installation Options', and 'Summary'. The main area of the window contains the following text: 'A virtual machine requires storage so that you can install an operating system. You can specify the storage now or configure it later by modifying the virtual machine's properties.' Below this text are three radio button options: 1. 'Create a virtual hard disk' (selected): 'Use this option to create a VHDX dynamically expanding virtual hard disk.' Below this option are three input fields: 'Name:' with the value 'W-Server 1.vhdx', 'Location:' with the value 'C:\ProgramData\Microsoft\Windows\Virtual Hard Disks\' and a 'Browse...' button, and 'Size:' with the value '64 GB (Maximum: 64 TB)'. 2. 'Use an existing virtual hard disk': 'Use this option to attach an existing virtual hard disk, either VHD or VHDX format.' Below this option is a 'Location:' input field with the value 'C:\ProgramData\Microsoft\Windows\Virtual Hard Disks\' and a 'Browse...' button. 3. 'Attach a virtual hard disk later': 'Use this option to skip this step now and attach an existing virtual hard disk later.' At the bottom of the window, there are four buttons: '< Previous', 'Next >' (highlighted in blue), 'Finish', and 'Cancel'.

29. Here we are going to select “Install an operating system from a bootable CD/DVD-ROM” and then select “Image File (.iso)”, and click on “Browse”.



30. After clicking “Browse”, it will open File Explorer, where we will navigate to your downloaded ISO file and select and open the file.



31. Now we can see that the “Image file (.iso)” has your selected file path. We will continue Next.

New Virtual Machine Wizard

Installation Options

Before You Begin
Specify Name and Location
Specify Generation
Assign Memory
Configure Networking
Connect Virtual Hard Disk
Installation Options
Summary

You can install an operating system now if you have access to the setup media, or you can install it later.

☐ Install an operating system later

☒ Install an operating system from a bootable CD/DVD-ROM

Media

☐ Physical CD/DVD drive:

☒ Image file (.iso):

☐ Install an operating system from a bootable floppy disk

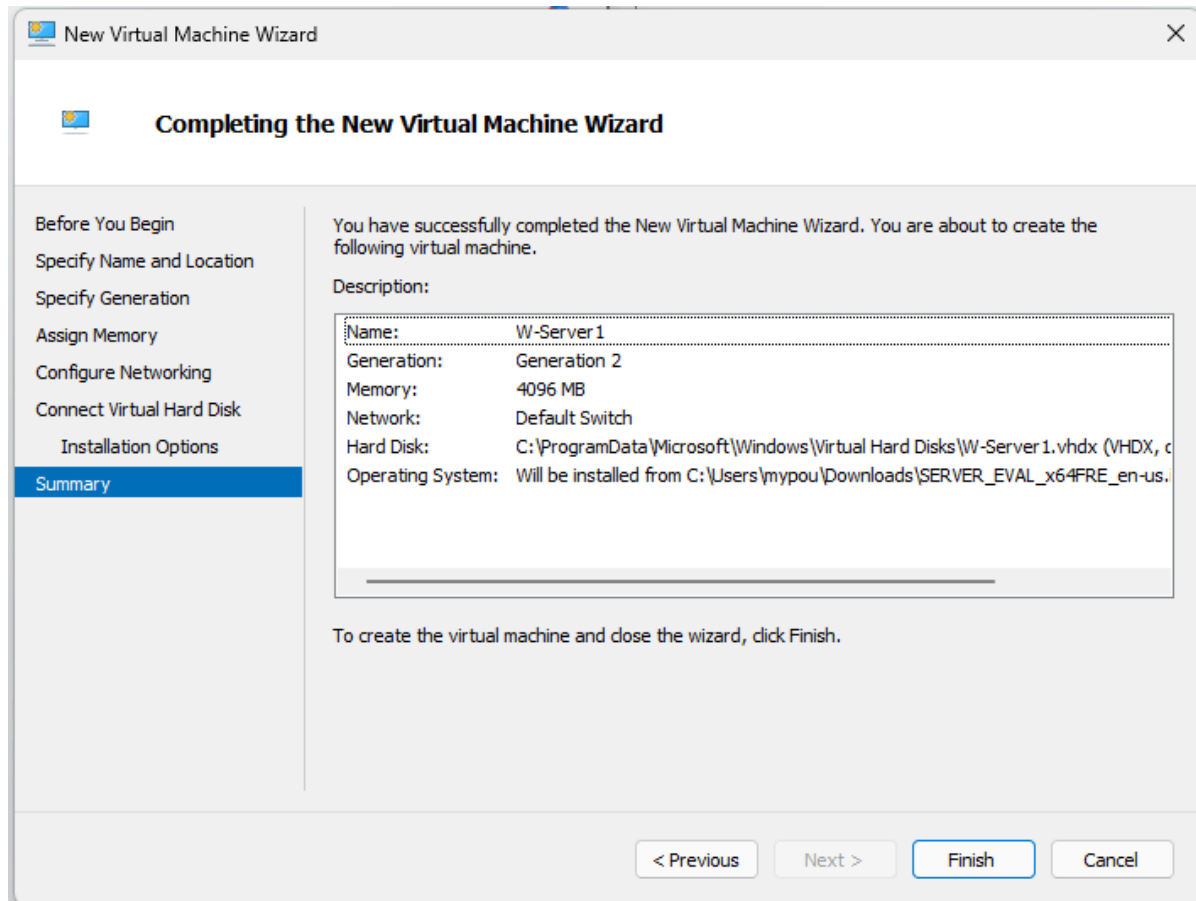
Media

Virtual floppy disk (.vfd):

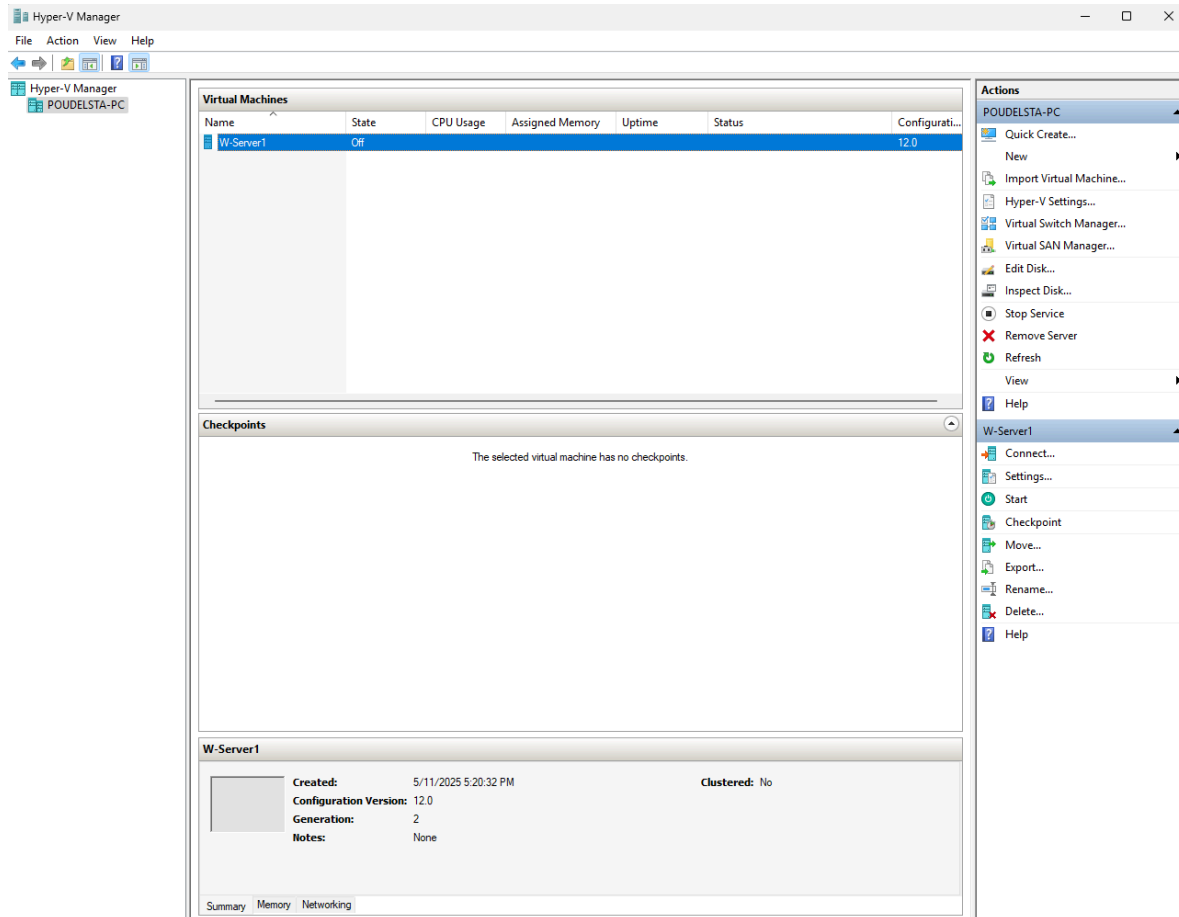
☐ Install an operating system from a network-based installation server

< Previous **Next >** Finish Cancel

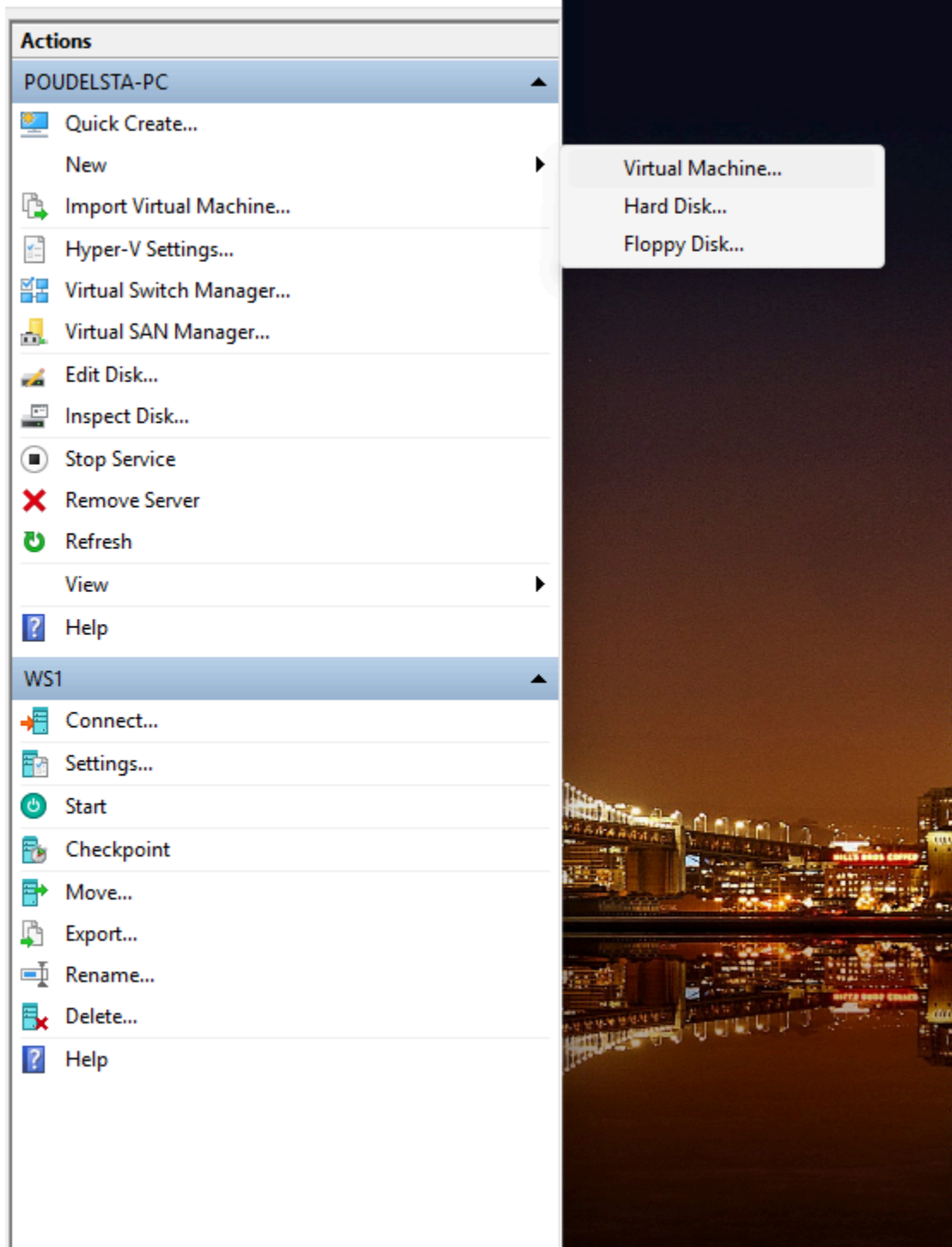
32. Now we are at “Completing the New Virtual Machine Wizard”. This is our last step. We are going to click “Finish”.



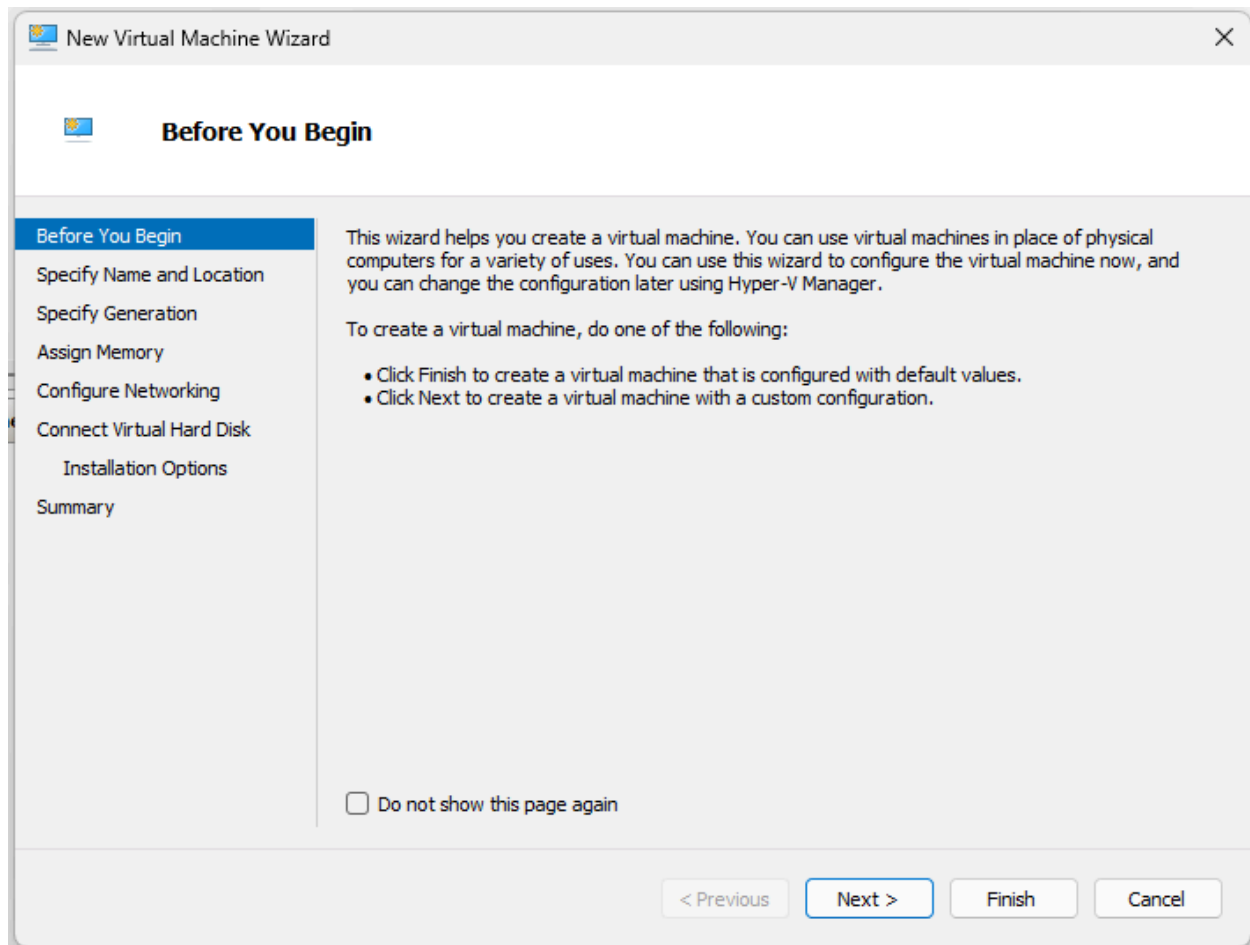
33. Finally, now we can see the VM we just created as “WS1” under “Virtual Machine”.



34. Next, we will add Windows 11 Enterprise; for this, the process will be the same as adding our Windows Server. Next, we are going to install a VM. On the right side, under Actions, we can find a tab “New”, and click on “Virtual Machine”.



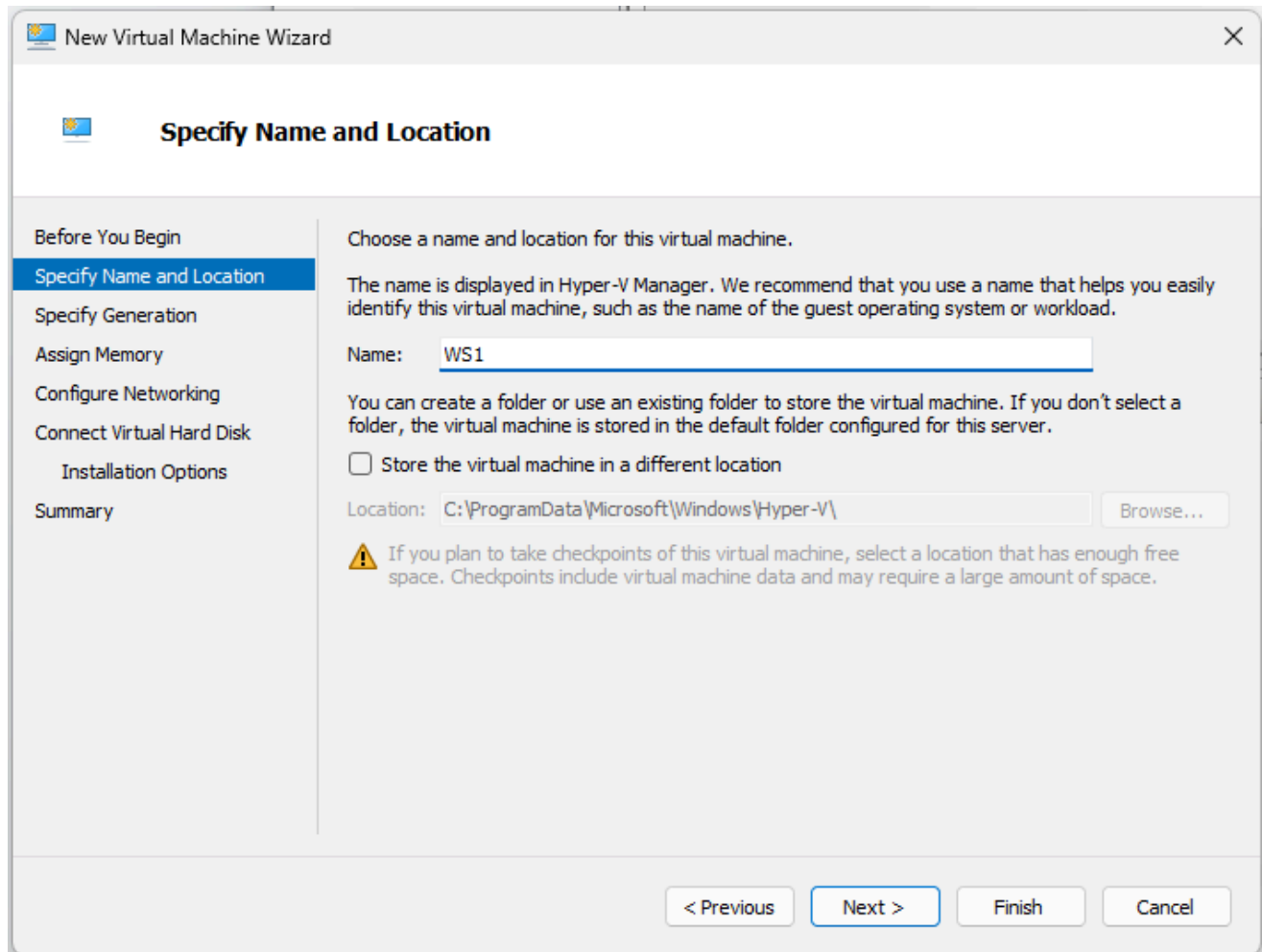
35. It will open a dialogue box where we can configure the VM.



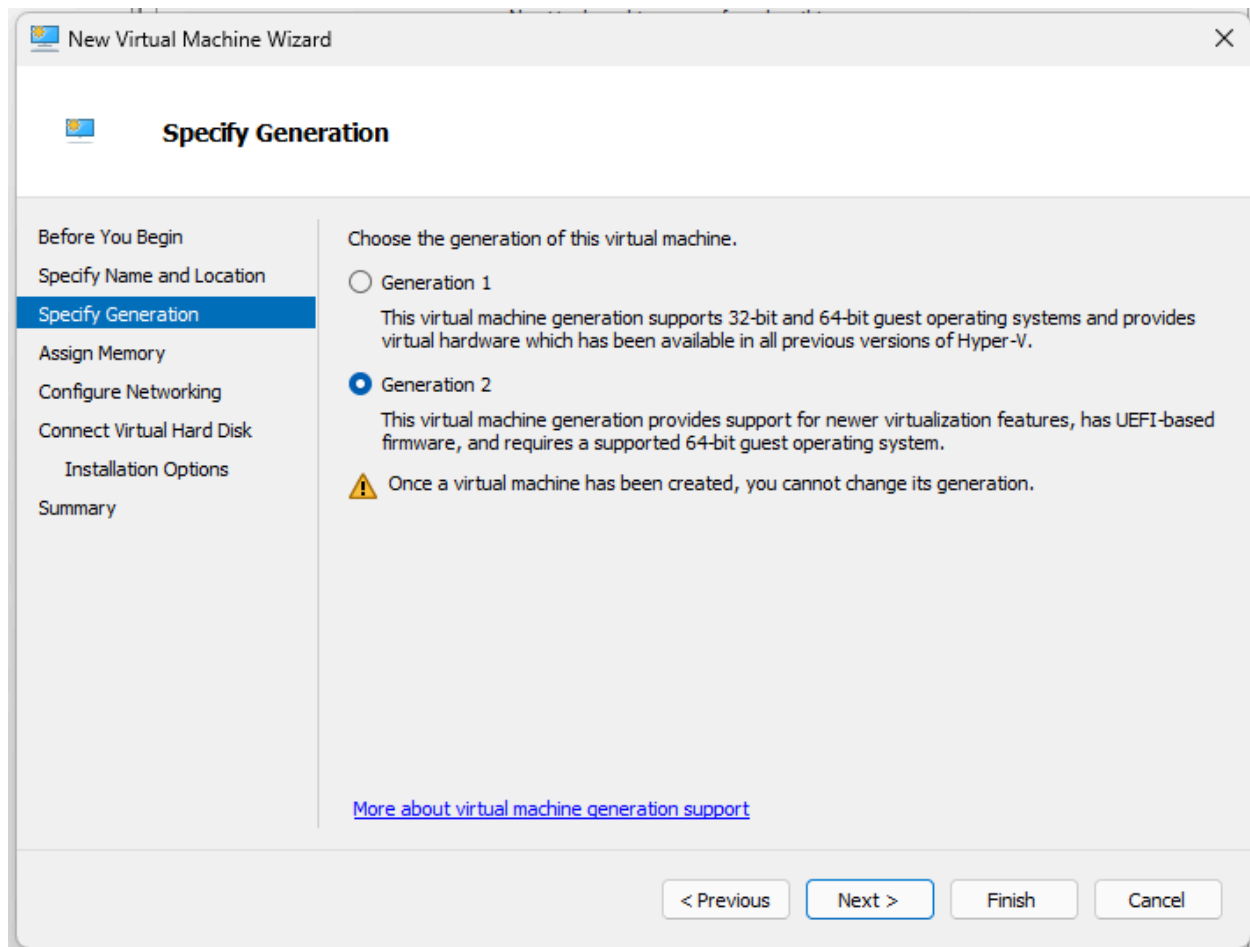
36. Click "Next".

37. We will be prompted to choose a name and a Location for the Virtual Machine.

38. To make it easy, I am going to name it WS1(WorkStation 1) and continue to the Next.



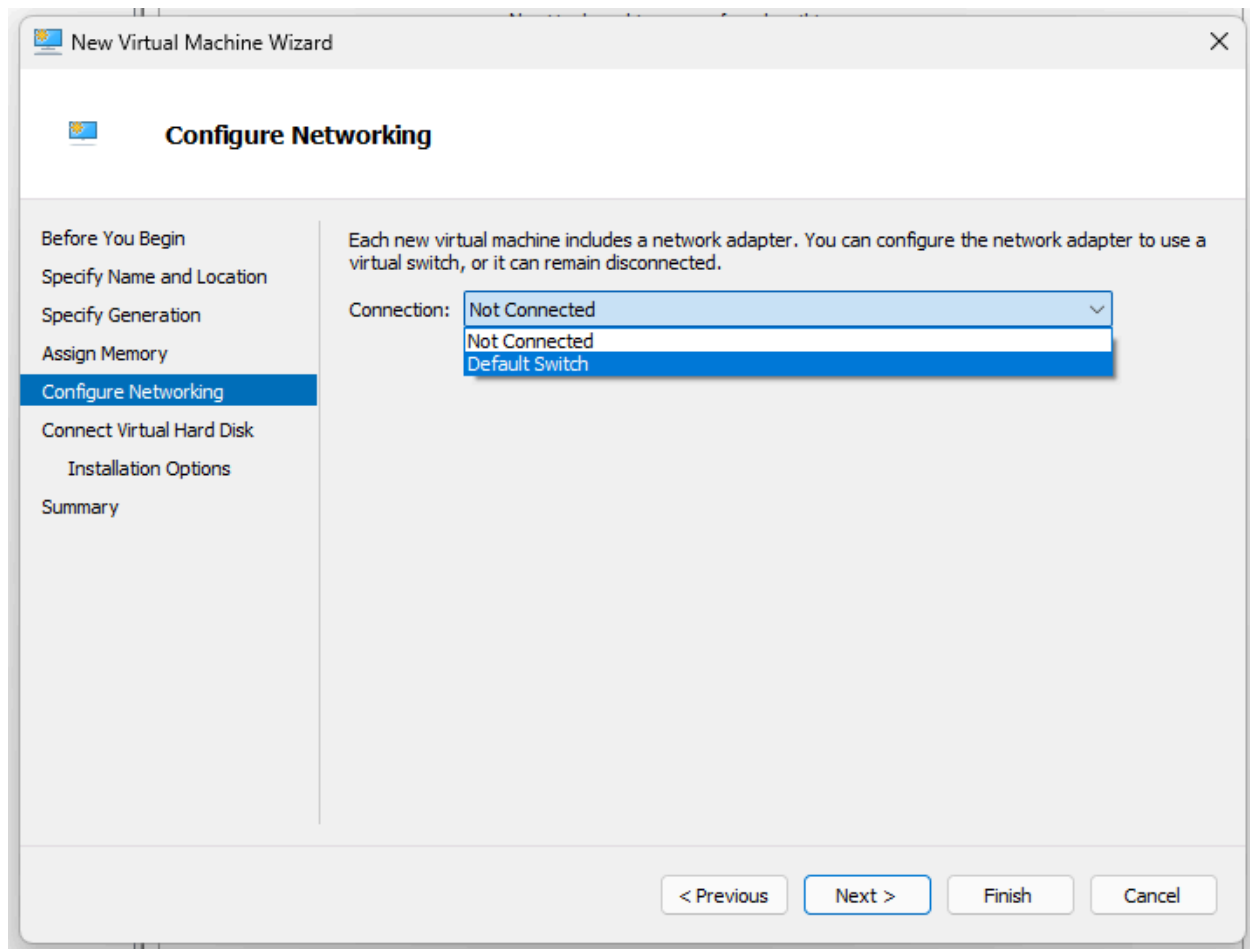
39. We will be prompted to choose the Generation of this Virtual Machine. I am going to choose “Generation 2” for the 64-bit guest operating system.



40. Next, we are asked to Assign Memory. We are going to assign 4096 MB, as we are required to have 4GB at a minimum. And I am going to uncheck the “Use Dynamic Memory for this virtual machine” box, which is checked by default. And we move to the Next. (You can add more memory if you want.)

The screenshot shows the 'New Virtual Machine Wizard' window, specifically the 'Assign Memory' step. The window has a title bar with the text 'New Virtual Machine Wizard' and a close button. On the left side, there is a navigation pane with the following steps: 'Before You Begin', 'Specify Name and Location', 'Specify Generation', 'Assign Memory' (which is highlighted with a blue background), 'Configure Networking', 'Connect Virtual Hard Disk', 'Installation Options', and 'Summary'. The main area of the window is titled 'Assign Memory' and contains the following text: 'Specify the amount of memory to allocate to this virtual machine. You can specify an amount from 32 MB through 251658240 MB. To improve performance, specify more than the minimum amount recommended for the operating system.' Below this text, there is a 'Startup memory:' label followed by a text box containing '4096' and 'MB'. There is also an unchecked checkbox labeled 'Use Dynamic Memory for this virtual machine.' Below the checkbox, there is an information icon (a blue circle with a white 'i') followed by the text: 'When you decide how much memory to assign to a virtual machine, consider how you intend to use the virtual machine and the operating system that it will run.' At the bottom of the window, there are four buttons: '< Previous', 'Next >' (which is highlighted with a blue border), 'Finish', and 'Cancel'.

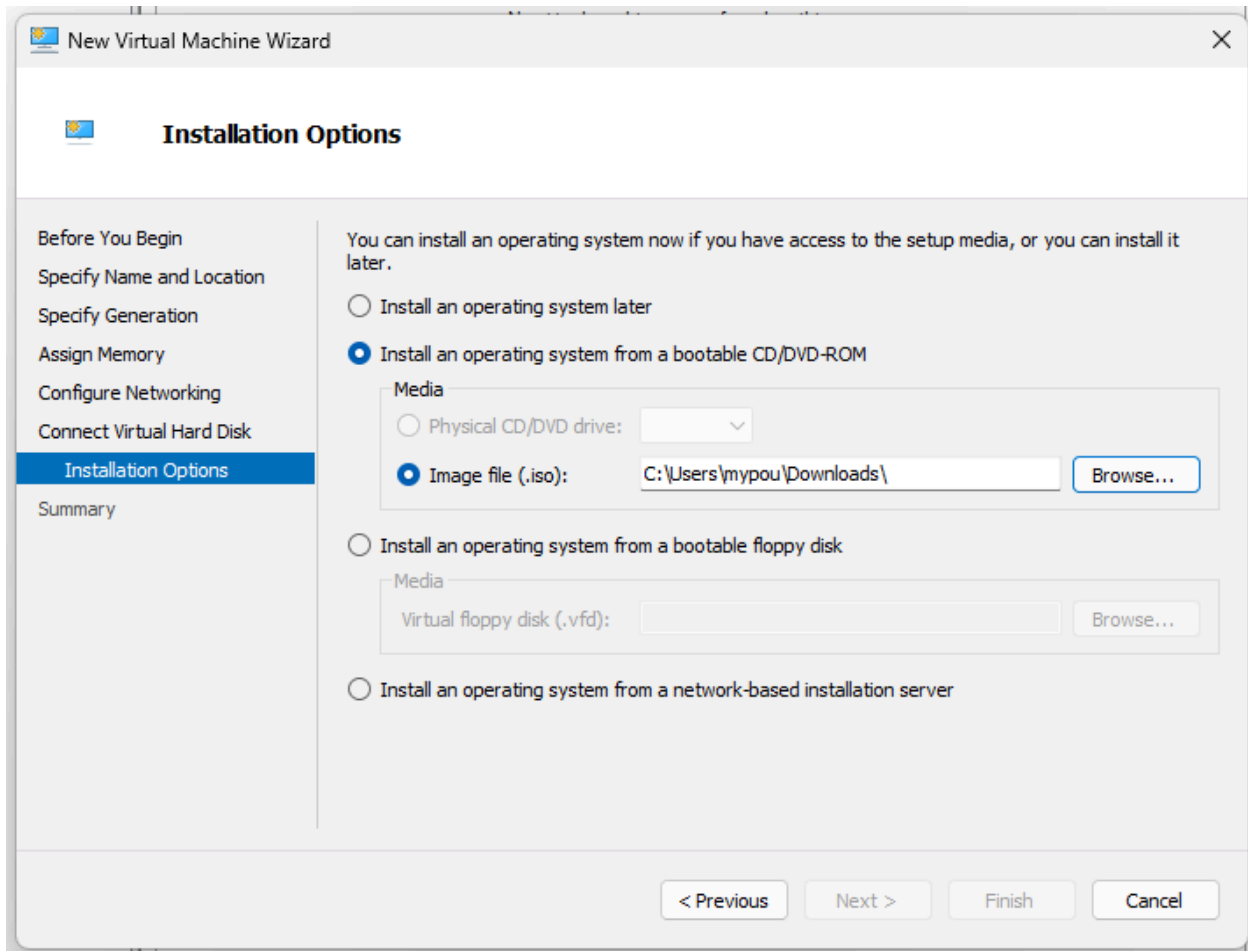
41. Now we have to Configure Networking. By default, the connections are set to “Not Connected.” We are going to click on the dropdown, select “Default Switch”, and continue to the next.



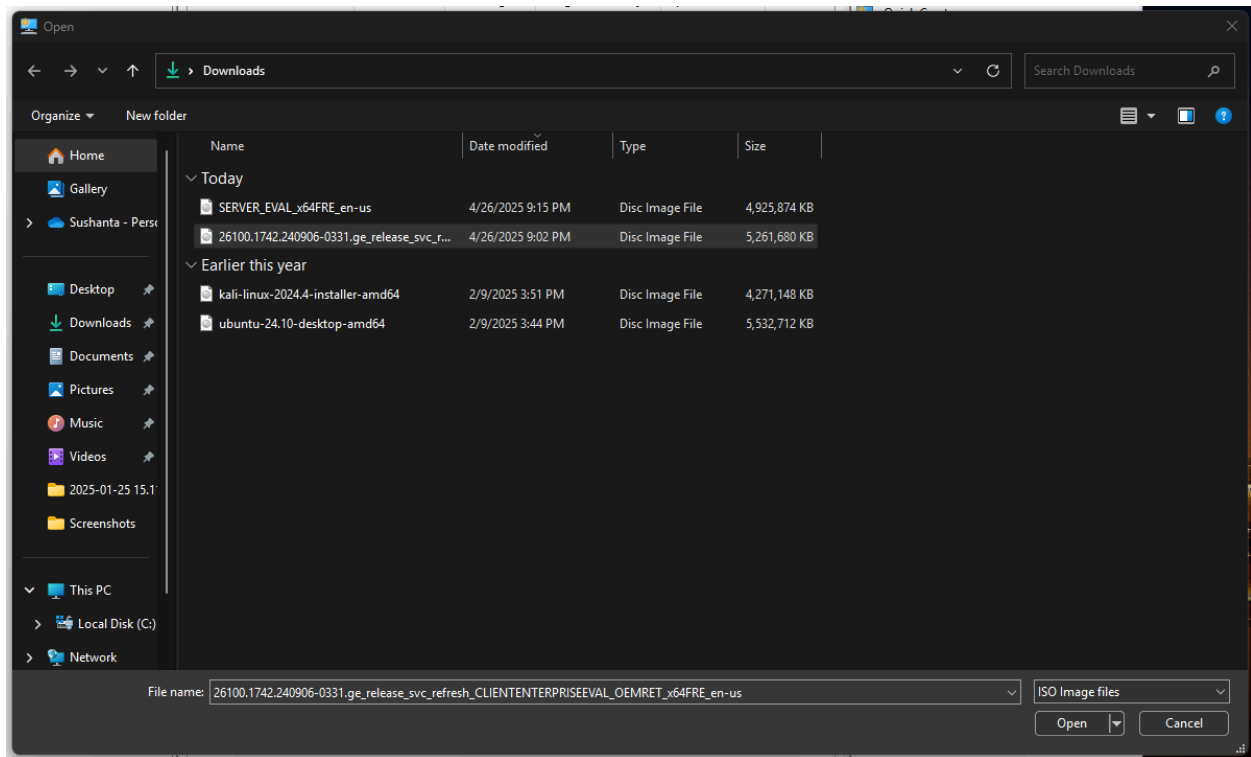
42. We are going to change the Virtual hard disk size from the default to 64GB on “Connect Virtual Hard Disk”. We will click next and continue.

The screenshot shows the 'New Virtual Machine Wizard' window, specifically the 'Connect Virtual Hard Disk' step. The window has a title bar with the text 'New Virtual Machine Wizard' and a close button. On the left side, there is a navigation pane with the following steps: 'Before You Begin', 'Specify Name and Location', 'Specify Generation', 'Assign Memory', 'Configure Networking', 'Connect Virtual Hard Disk' (which is currently selected and highlighted in blue), 'Installation Options', and 'Summary'. The main area of the window contains the following text: 'A virtual machine requires storage so that you can install an operating system. You can specify the storage now or configure it later by modifying the virtual machine's properties.' Below this text, there are three radio button options: 1. 'Create a virtual hard disk' (selected): This option is selected with a blue radio button. Below it, the text says 'Use this option to create a VHDX dynamically expanding virtual hard disk.' There is a form with three fields: 'Name:' with the value 'WS1.vhdx', 'Location:' with the value 'C:\ProgramData\Microsoft\Windows\Virtual Hard Disks\' and a 'Browse...' button, and 'Size:' with a value of '64' GB (Maximum: 64 TB). 2. 'Use an existing virtual hard disk': This option is not selected. Below it, the text says 'Use this option to attach an existing virtual hard disk, either VHD or VHDX format.' There is a form with one field: 'Location:' with the value 'C:\ProgramData\Microsoft\Windows\Virtual Hard Disks\' and a 'Browse...' button. 3. 'Attach a virtual hard disk later': This option is not selected. Below it, the text says 'Use this option to skip this step now and attach an existing virtual hard disk later.' At the bottom of the window, there are four buttons: '< Previous', 'Next >' (which is highlighted with a blue border), 'Finish', and 'Cancel'.

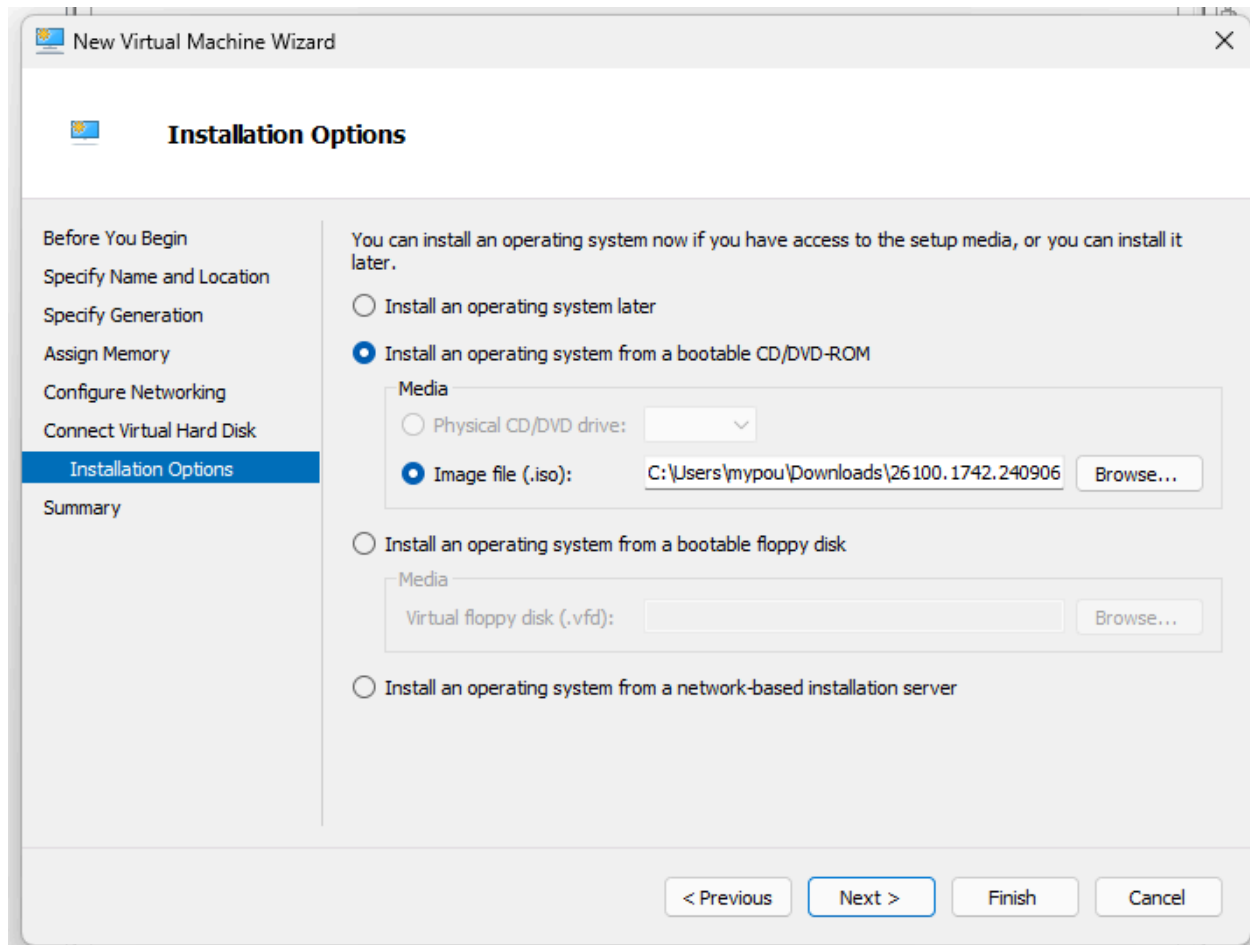
43. Here we are going to select “Install an operating system from a bootable CD/DVD-ROM” and then select “Image File (.iso)”, and click on “Browse”.



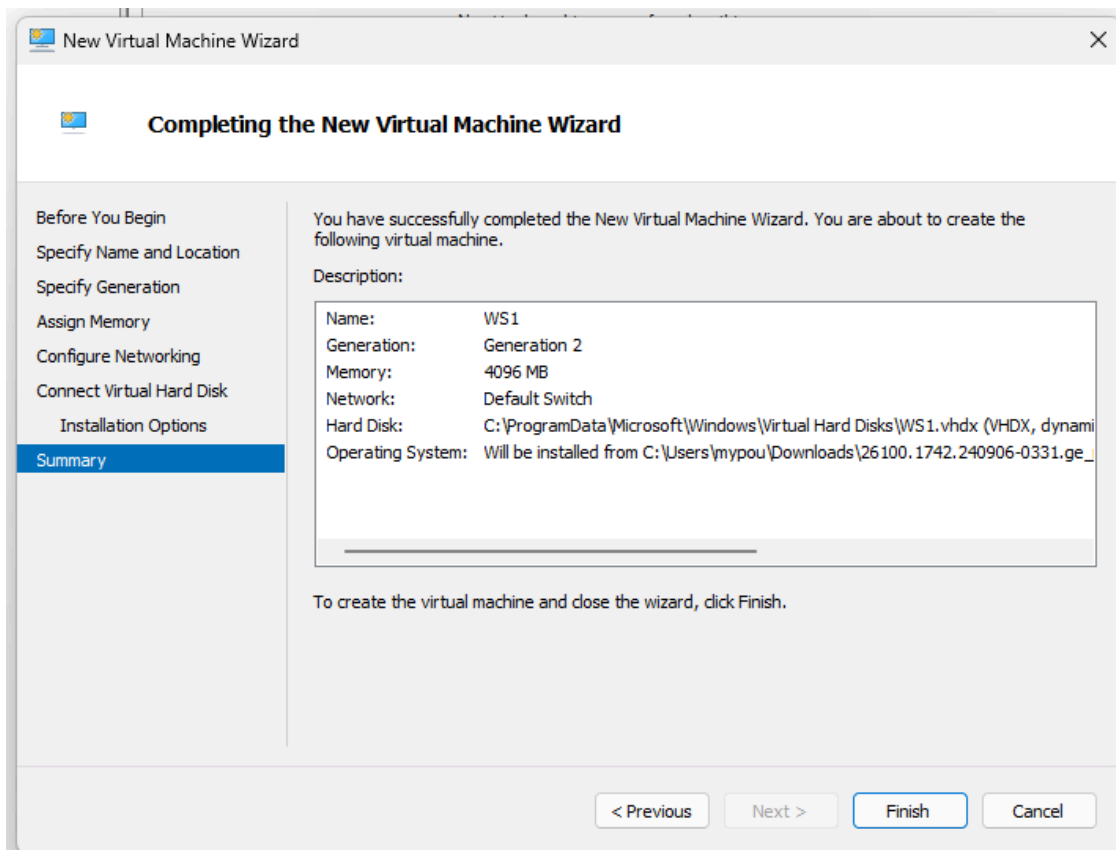
44. After clicking “Browse”, it will open File Explorer, where we will navigate to our downloaded ISO file and select and open the file.



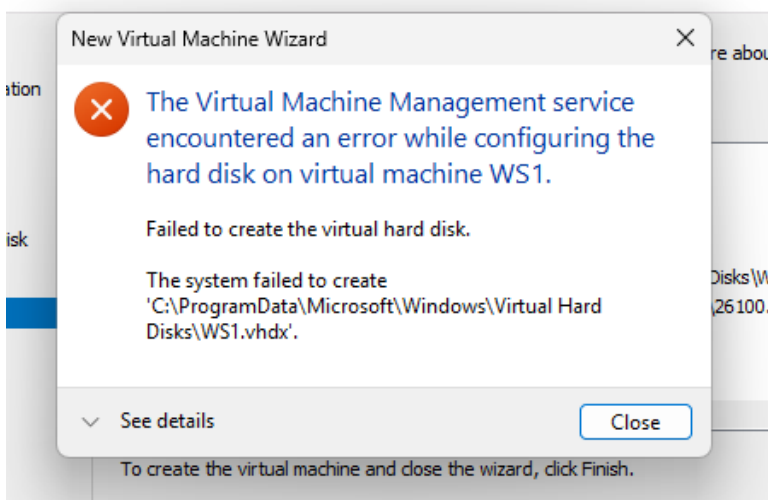
45. Now we can see that the “Image file (.iso)” has your selected file path. We will continue Next.



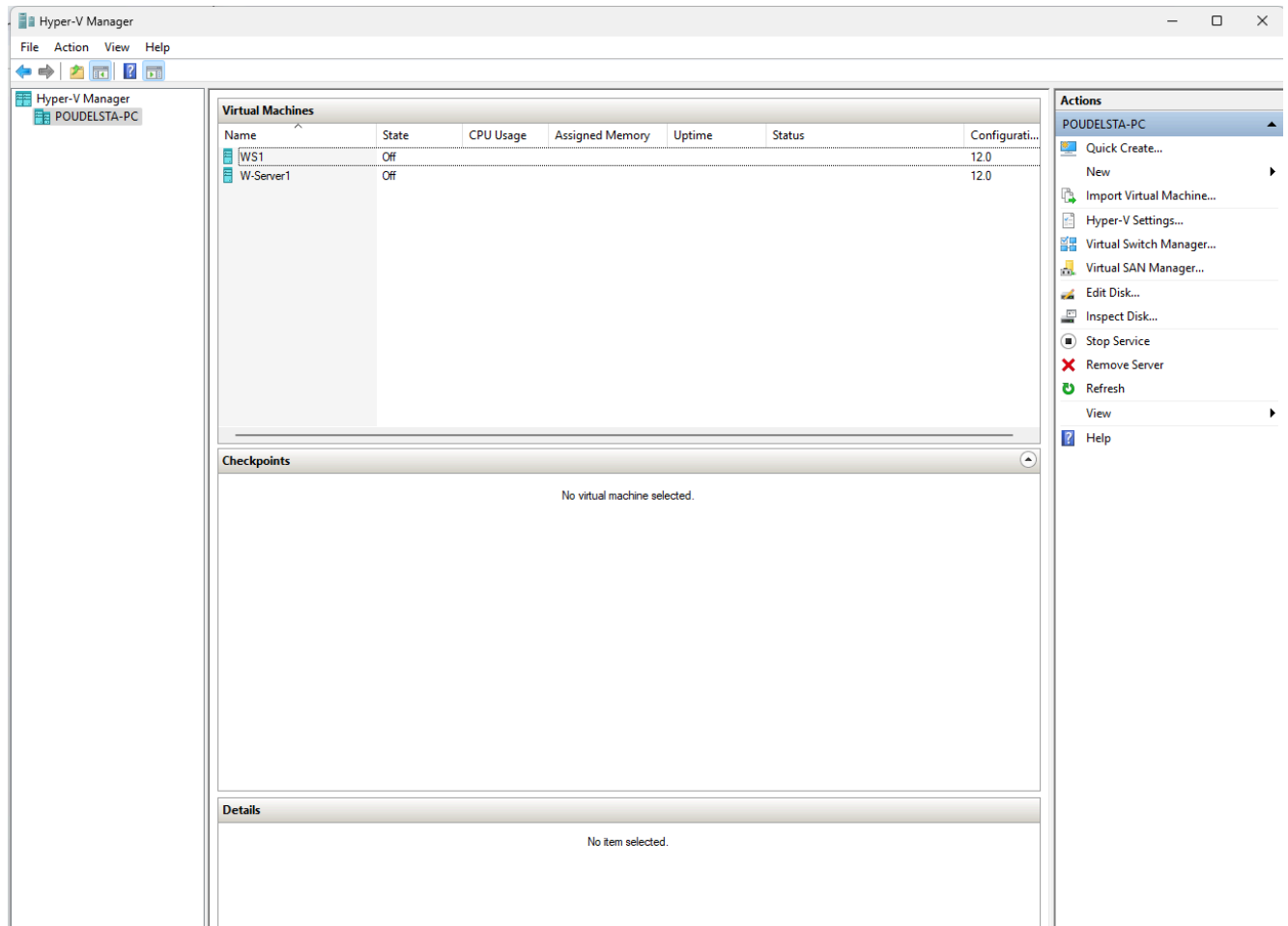
46. Now we are at “Completing the New Virtual Machine Wizard”. This is our last step. We are going to click “Finish”.



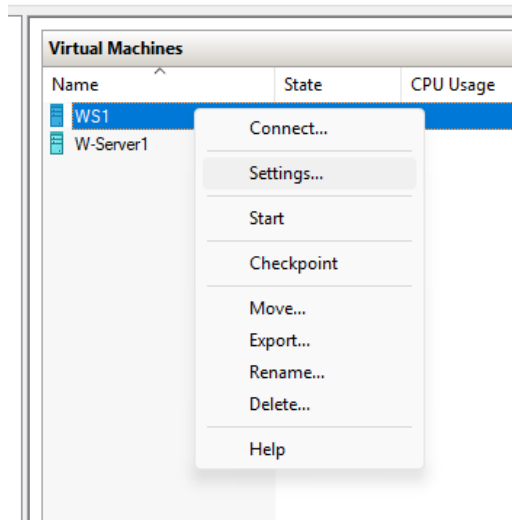
47. In Case you receive the following error message, then you have already created another VM with the same VM name. Therefore, either you will have to use a different name for the VM or find where you saved the VM on your local computer, and you can delete the VM file.



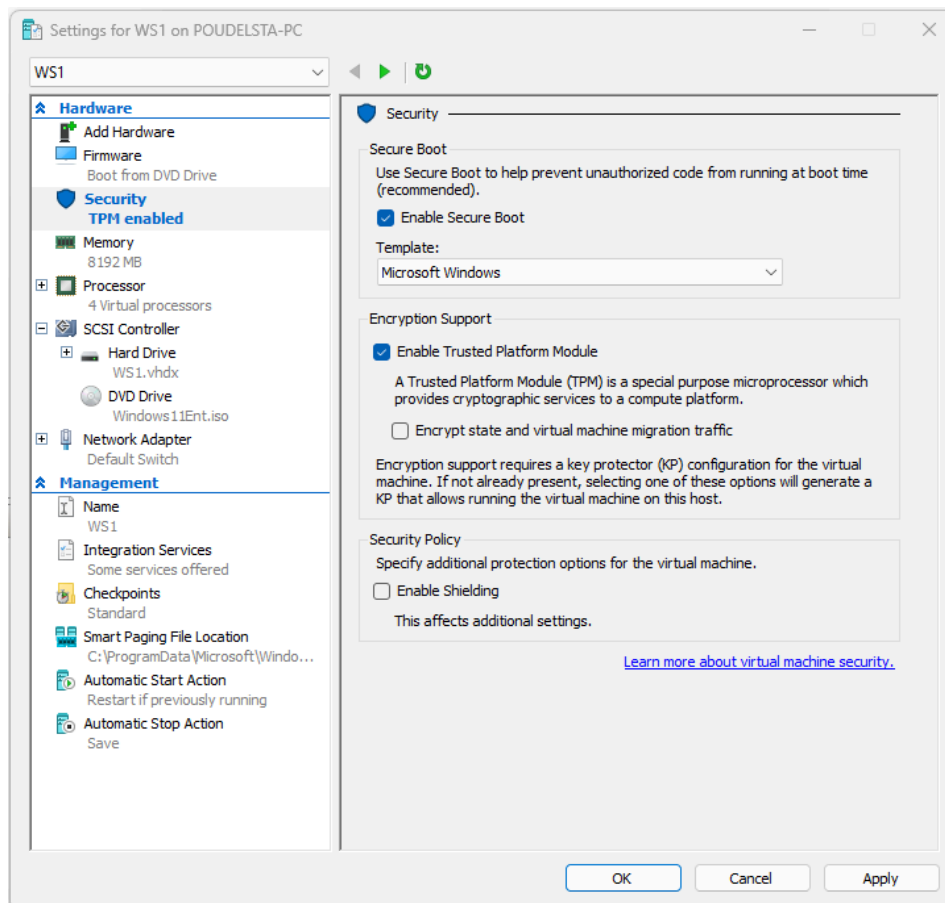
48. Finally, now we can see the VM we just created as “WS1” under “Virtual Machine”.



49. We are now going to right-click on our WS1 and click on Settings.

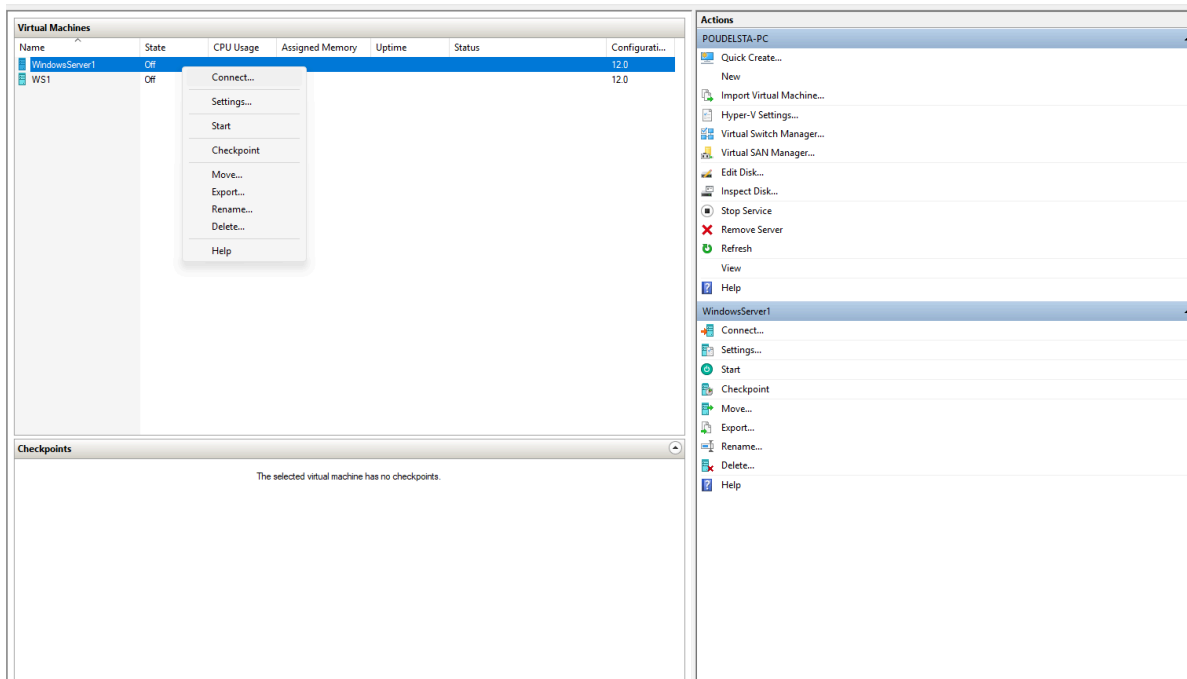


50. Here we are going to click on the Security section, then we will make sure the “Enable Secure Boot” is checked, as well as “Enable Trusted Platform Module” is also checked.

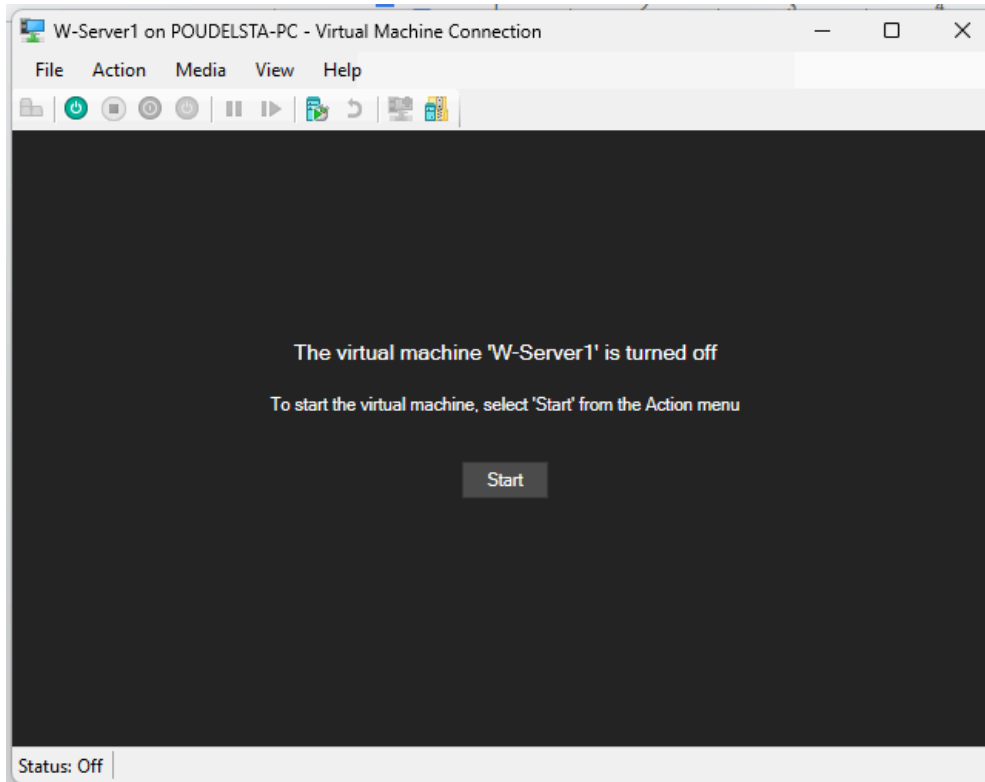


51. At this point, if you want to change some of the settings before running the Server or the WorkStation, we can right-click on the W-Server1 or WS1 and click on “settings”. You will be able to change the boot order, add hardware, enable security, change memory, storage, and processor, configure network adapters, and much more. We are not going to do anything at this time.

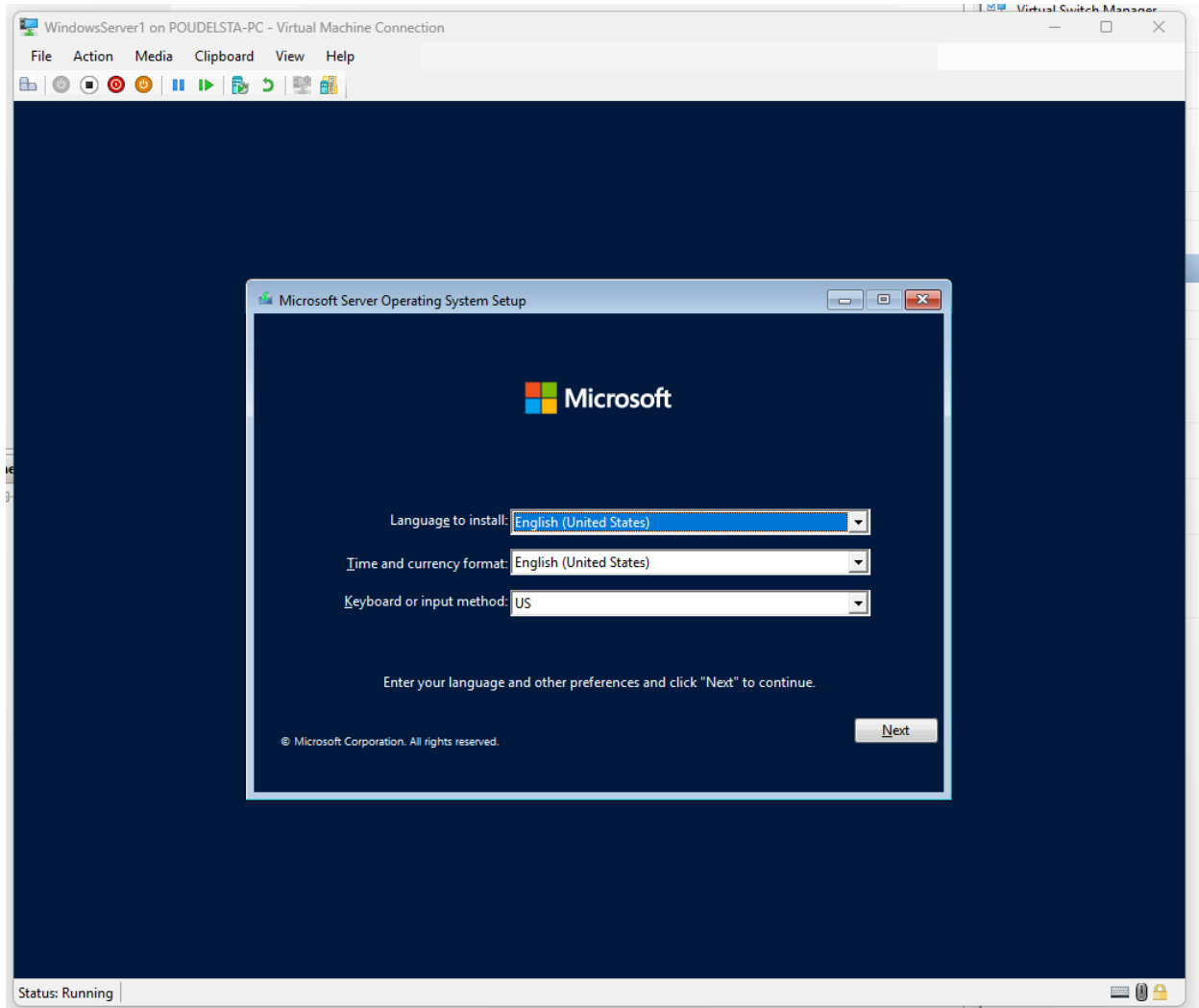
52. Now, let's connect to the Server first. We will go ahead and right-click on the W-Server1 and click on “Connect”.



53. It will give us another dialogue box. We will go ahead and click “Start”.

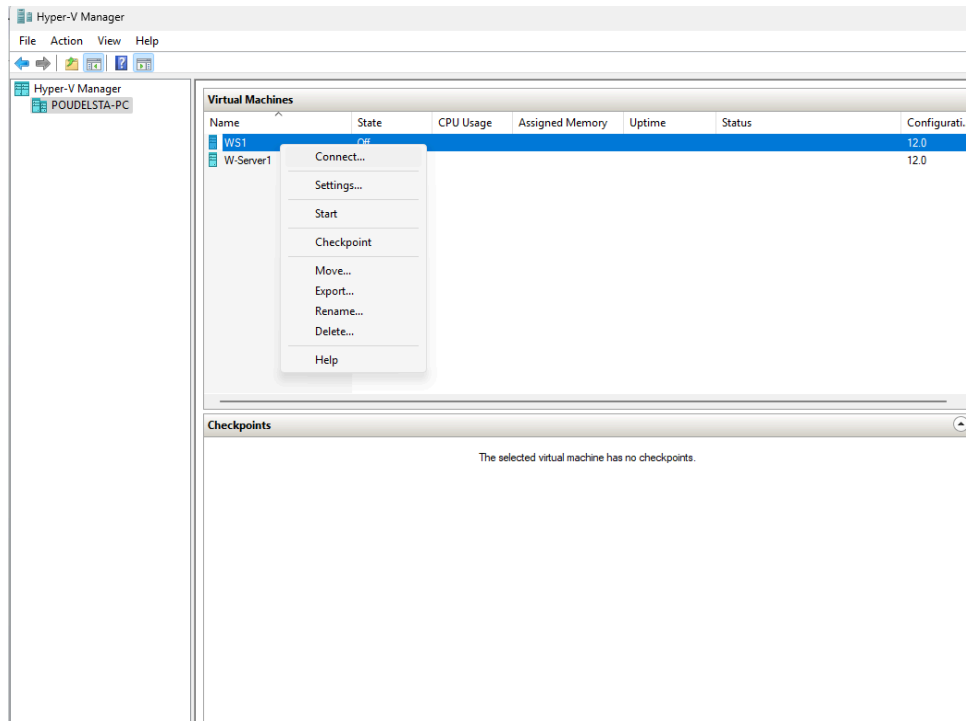


54. It should boot the Server and take us to the following screen.

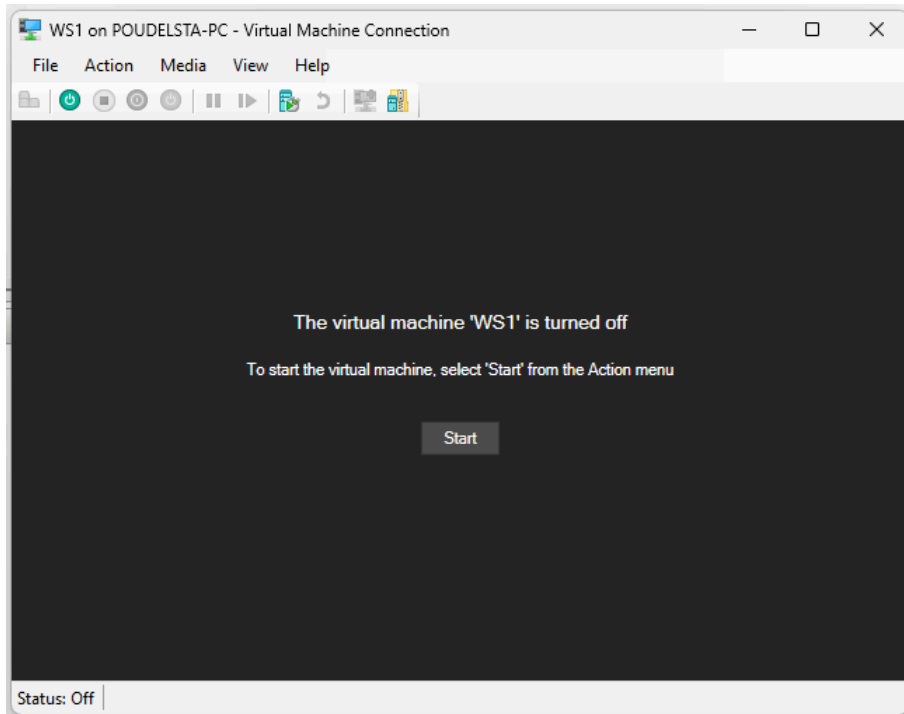


55. We'll hold off on the Server for now and first run the Workstation to assess its readiness.

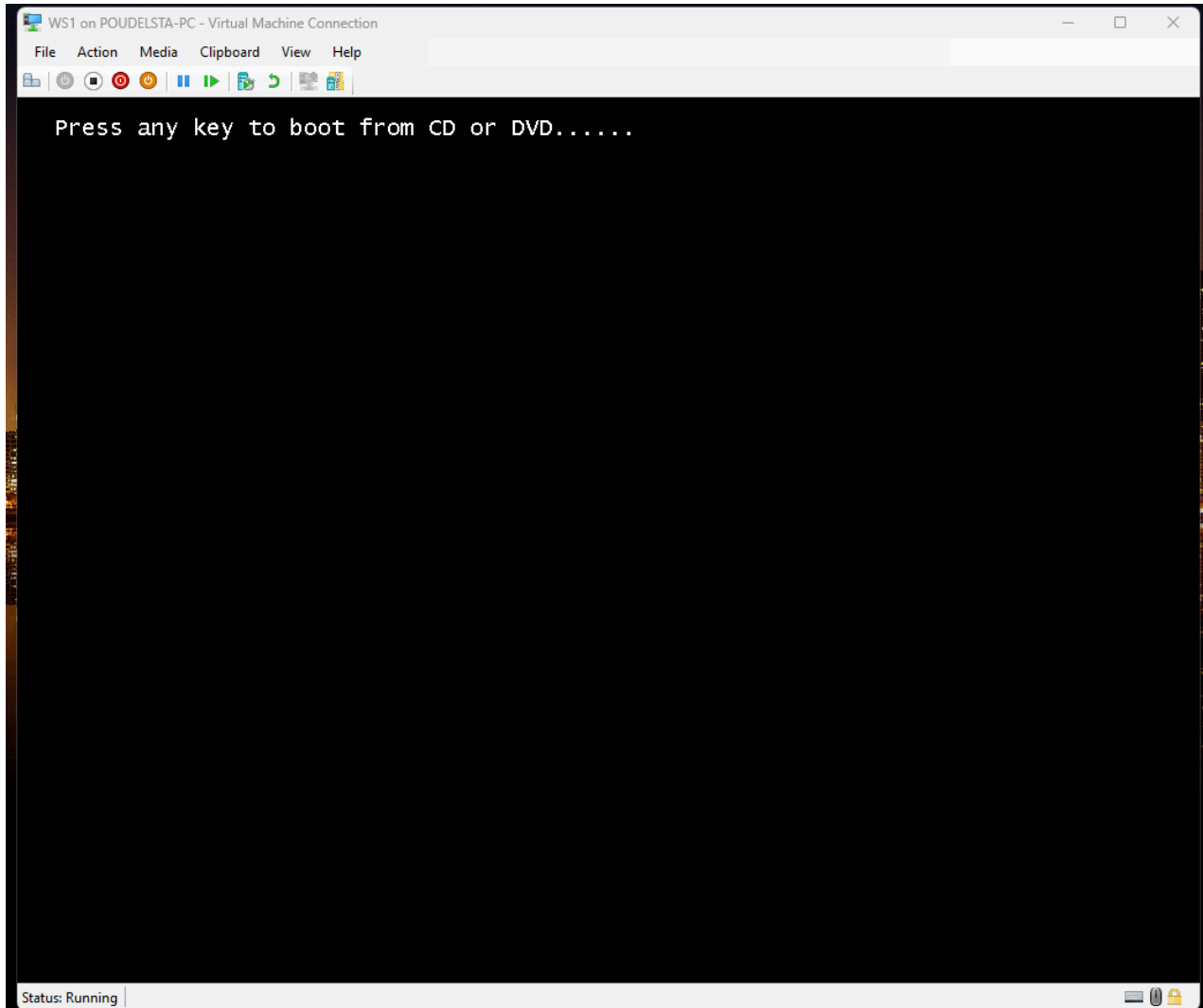
56. Now, let's connect to the Workstation. We will go ahead and right-click on the WS1 and click on "Connect".



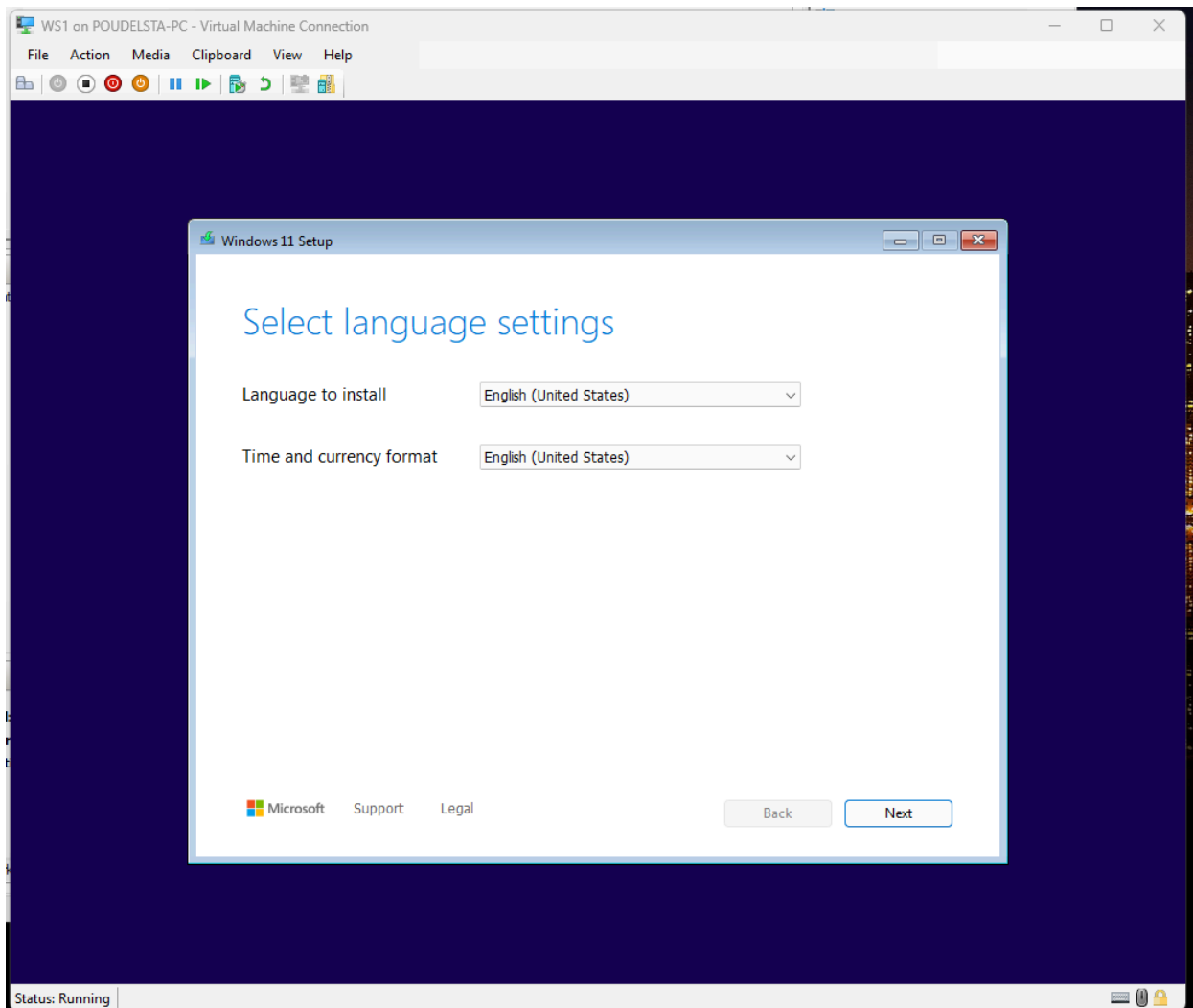
57. It will give us another dialogue box. We will go ahead and click “Start”.



58. We are prompted to “Press any key to boot from CD or DVD”.



59. It should boot Windows 11 Enterprise and take us to the following screen.



We are going to stop right here. Configuring the domain and connecting the Workstation with the Server will be in another documentation.