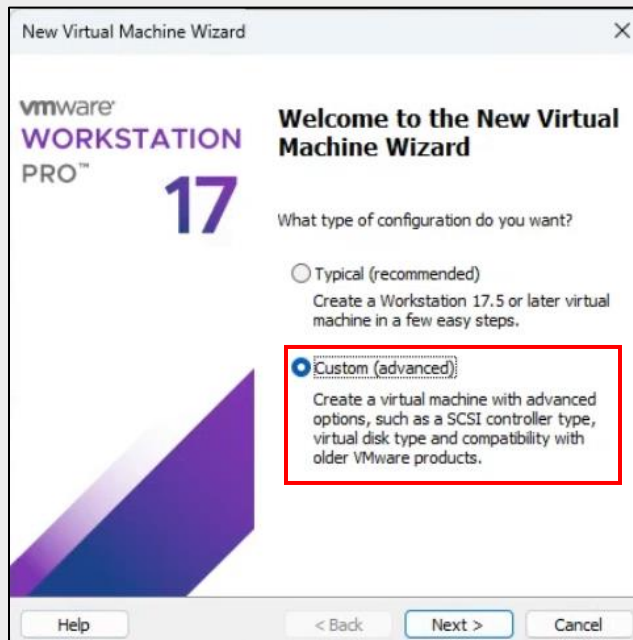
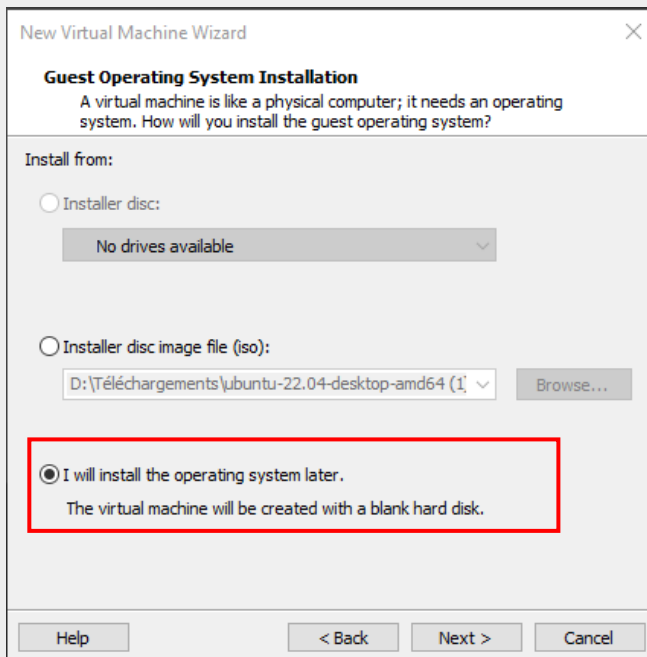


Step 1 – Virtual Machine Creation

1. Download the **Windows 11 iso image** using this link:
[Windows 11 ISO](#)
2. Once the **ISO** is fully downloaded, open **VMWare Workstation**.
3. Start **Creating a new VM** → Select a **Custom (advanced)** then click **Next**



4. On the next page, keep the defaults and click **Next**.
5. Select **I will install the operating system later**, then click on **Next**.



6. Select **Microsoft Windows (Windows 11 x64)** version and click **Next**.

The screenshot shows the 'New Virtual Machine Wizard' dialog box. The title bar says 'New Virtual Machine Wizard' with a close button. The main heading is 'Select a Guest Operating System' with the subtext 'Which operating system will be installed on this virtual machine?'. Below this, there is a section 'Guest operating system' with four radio button options: 'Microsoft Windows' (selected), 'Linux', 'VMware ESX', and 'Other'. Below that is a 'Version' section with a dropdown menu showing 'Windows 11 x64'. At the bottom, there are four buttons: 'Help', '< Back', 'Next >' (highlighted with a blue border), and 'Cancel'.

7. Keep the **Windows 11 x64** name and then click **Next**.

The screenshot shows the 'New Virtual Machine Wizard' dialog box at the second step, 'Name the Virtual Machine', with the subtext 'What name would you like to use for this virtual machine?'. It features a text field for 'Virtual machine name:' containing 'Windows 11 x64'. Below this is a 'Location:' section with a text field showing 'C:\Users\Antoine.Tohme\OneDrive - John Abbott College\Docur' and a 'Browse...' button. A note at the bottom states 'The default location can be changed at Edit > Preferences.' At the bottom of the dialog, there are three buttons: '< Back', 'Next >' (highlighted with a blue border), and 'Cancel'.

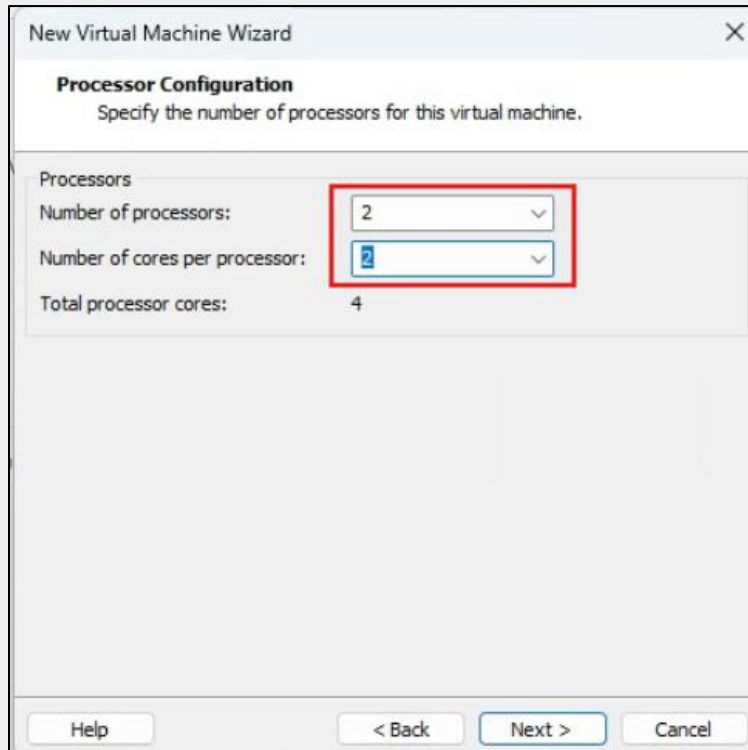
8. On the next page, enter **Passw0rd\$** as a password and select the following, then click on **Next**.

The screenshot shows the 'New Virtual Machine Wizard' window, specifically the 'Encryption Information' step. The title bar says 'New Virtual Machine Wizard' with a close button. The main heading is 'Encryption Information' with the question 'How would you like to encrypt this virtual machine?'. Below this, it states: 'This Guest OS requires an encrypted Trusted Platform Module to operate.' and 'Your files will be encrypted using a password you must set. This password is stored in the systems credential manager. Keep a copy of the password in a safe place, you can not start this VM without it.' The 'Choose Encryption Type' section has two radio buttons: 'All the files (.vmdk, .vmx, etc) for this virtual machine are encrypted.' (unselected) and 'Only the files needed to support a TPM are encrypted. (.nvram, .vmss, .vmem, .vmx, .vmsn)' (selected). Below this are two password fields: 'Password' and 'Confirm Password', both containing eight dots. A 'Copy' button is next to the first password field. A checkbox 'Remember the password on this machine in Credential Manager' is checked. At the bottom are three buttons: '< Back', 'Next >' (highlighted with a blue border), and 'Cancel'.

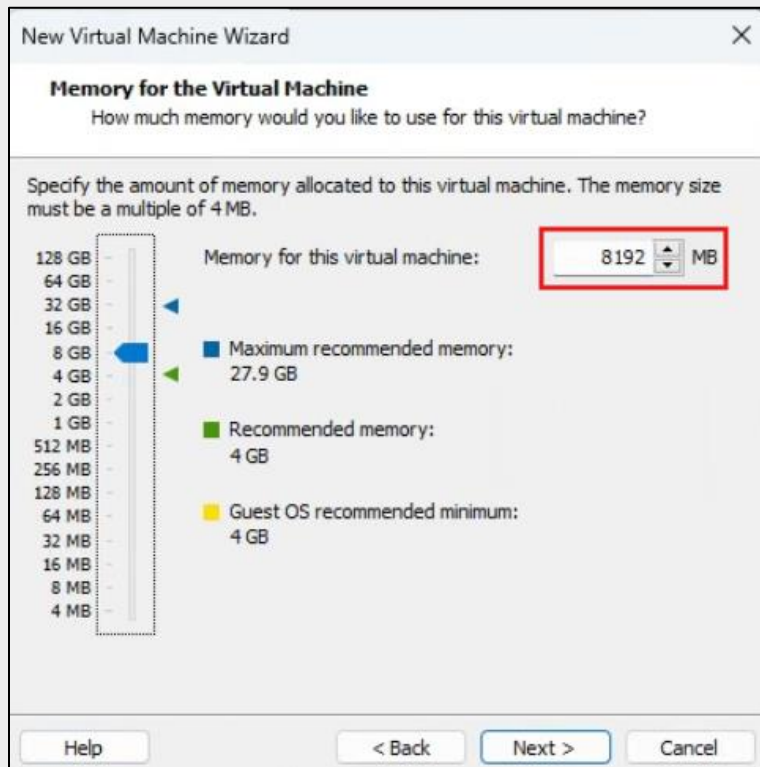
9. On the next page, keep the defaults and click **Next**.

The screenshot shows the 'New Virtual Machine Wizard' window, specifically the 'Firmware Type' step. The title bar says 'New Virtual Machine Wizard' with a close button. The main heading is 'Firmware Type' with the question 'What kind of boot device should this virtual machine have?'. Below this, the 'Firmware type' section has three options: 'BIOS' (unselected), 'UEFI' (selected, with a blue circle and a small UEFI logo icon), and 'Secure Boot' (unselected, with a checkbox). At the bottom are three buttons: '< Back', 'Next >' (highlighted with a blue border), and 'Cancel'.

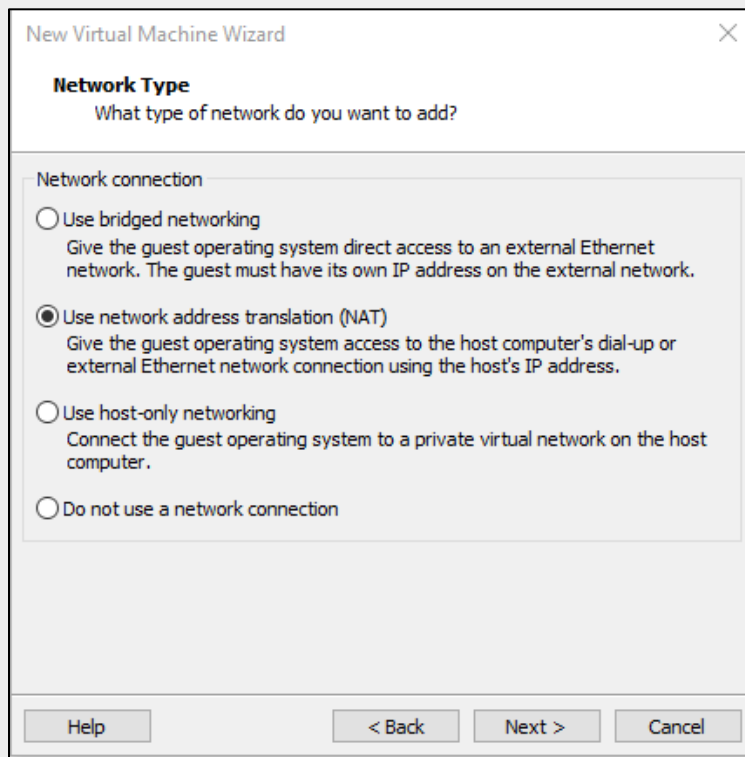
10. On the next page, select **2 Cores** then click **Next**.



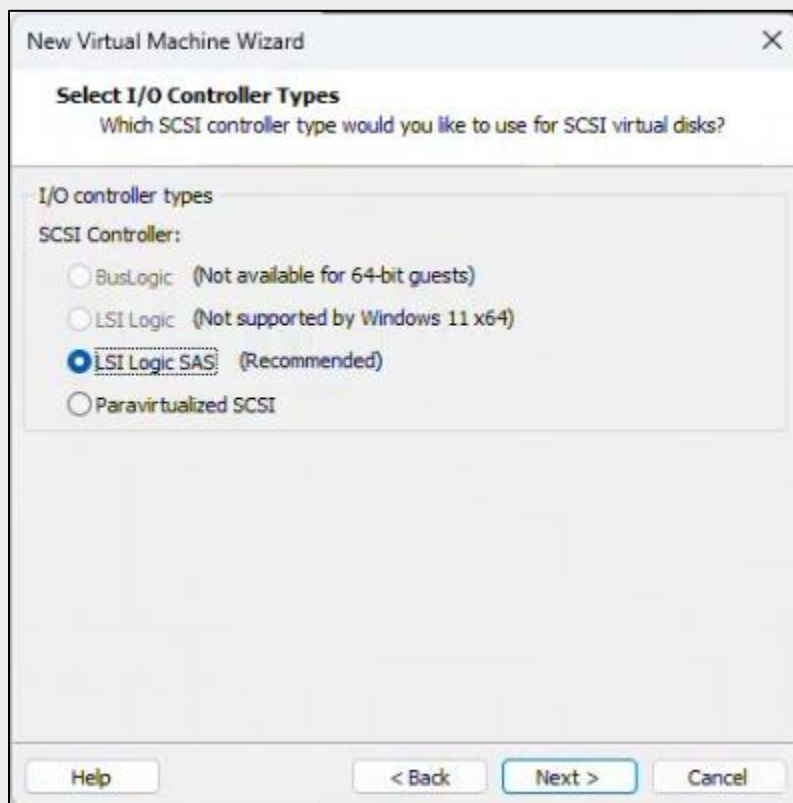
11. On the next page, select **8192 MB** then click **Next**.



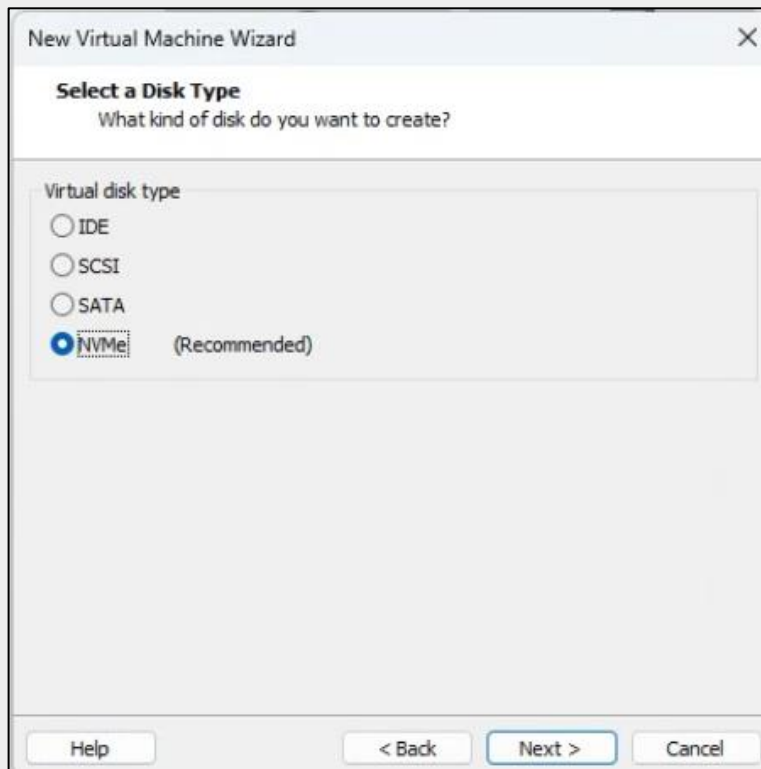
12. On the the next page, keep the defaults and click **Next**.



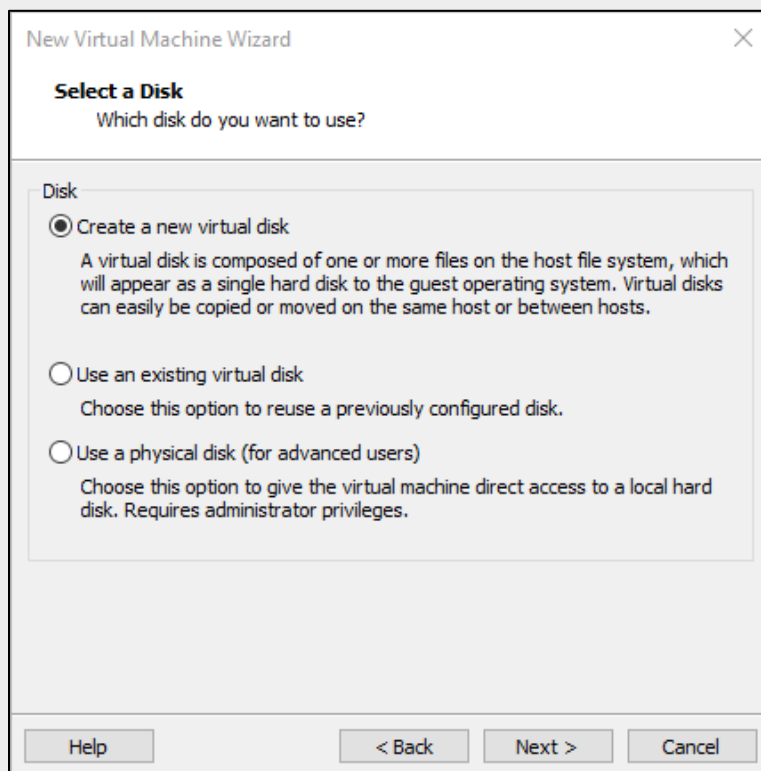
13. On the next page, keep the defaults and click **Next**.



14. On the the next page, keep the defaults and click **Next**.



15. On the next page, keep the defaults and click **Next**.



16. On the the next page, keep the defaults and click **Next**.



The screenshot shows the 'Specify Disk Capacity' step of the 'New Virtual Machine Wizard'. The window title is 'New Virtual Machine Wizard'. The subtitle is 'Specify Disk Capacity' with the question 'How large do you want this disk to be?'. The 'Maximum disk size (GB):' is set to 64.0. Below it, it says 'Recommended size for Windows 11 x64: 64 GB'. There are two radio button options: 'Allocate all disk space now.' (unchecked) and 'Split virtual disk into multiple files' (checked). A descriptive text for the checked option states: 'Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.' At the bottom, there are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'.

New Virtual Machine Wizard

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

Maximum disk size (GB): 64.0

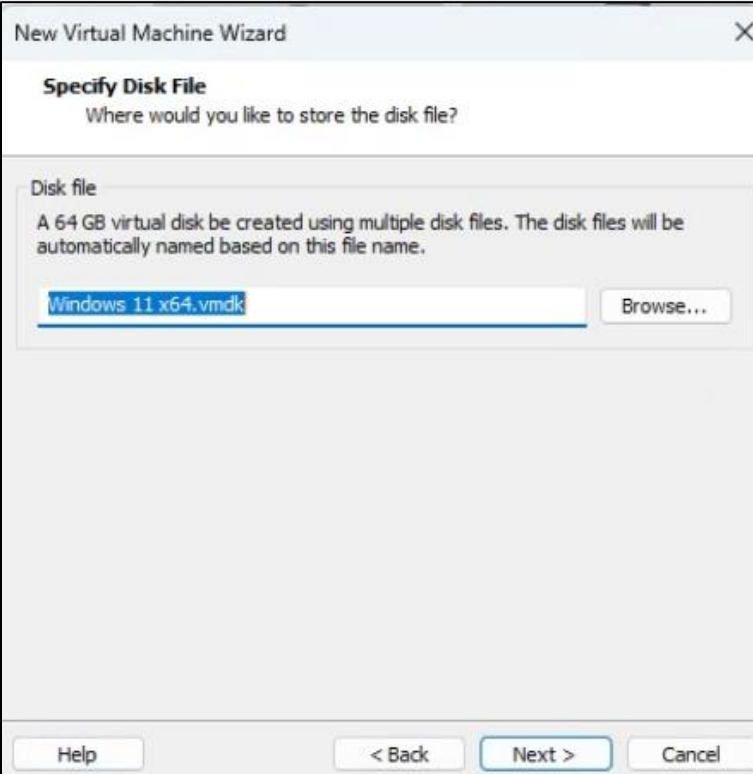
Recommended size for Windows 11 x64: 64 GB

☐ 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.

☒ 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

17. On the next page, keep the default and click **Next**.



The screenshot shows the 'Specify Disk File' step of the 'New Virtual Machine Wizard'. The window title is 'New Virtual Machine Wizard'. The subtitle is 'Specify Disk File' with the question 'Where would you like to store the disk file?'. Under the 'Disk file' section, it says: 'A 64 GB virtual disk be created using multiple disk files. The disk files will be automatically named based on this file name.' Below this, there is a text input field containing 'Windows 11 x64.vmdk' and a 'Browse...' button. At the bottom, there are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'.

New Virtual Machine Wizard

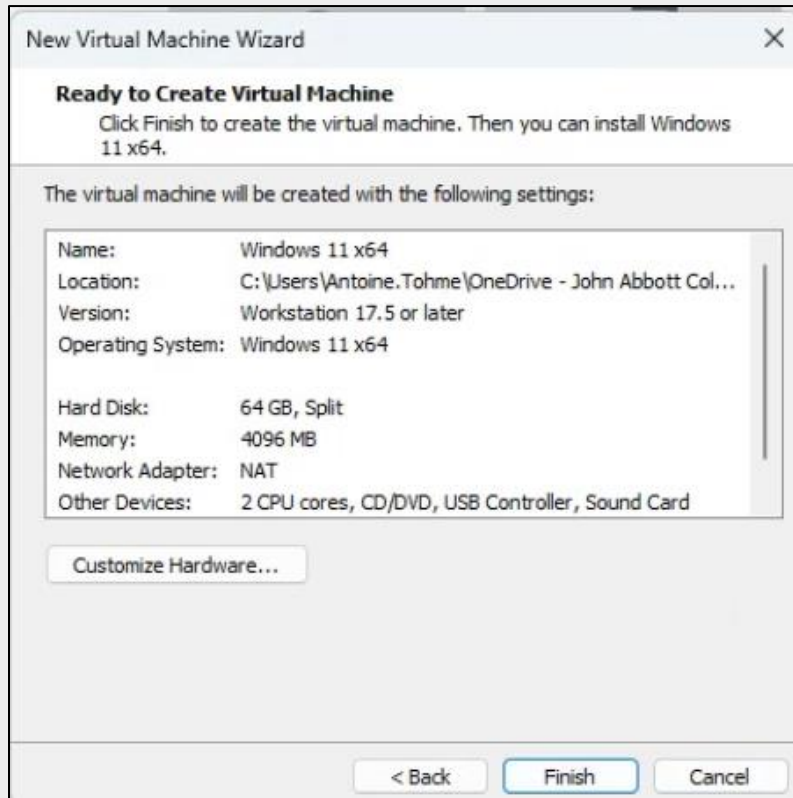
Specify Disk File
Where would you like to store the disk file?

Disk file
A 64 GB virtual disk be created using multiple disk files. The disk files will be automatically named based on this file name.

Windows 11 x64.vmdk Browse...

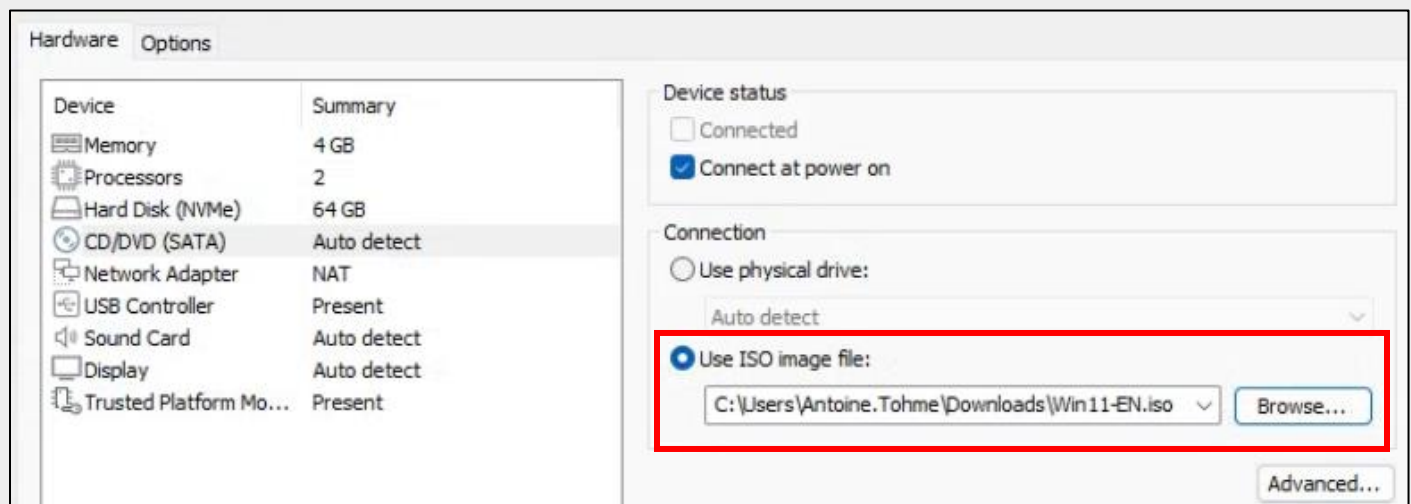
Help < Back Next > Cancel

18. Check the virtual machine creation summary and then click **Finish**.



19. Select **Edit virtual machine settings**

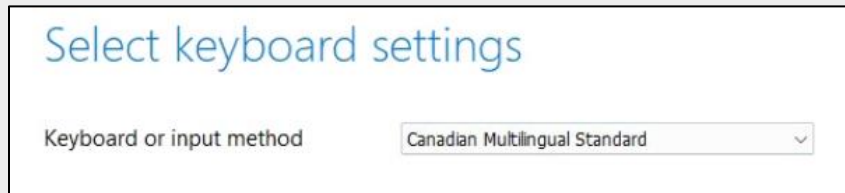
20. Click **CD/DVD → Use ISO image file → Browse →** Select the **ISO image** you just downloaded and click **Open**.



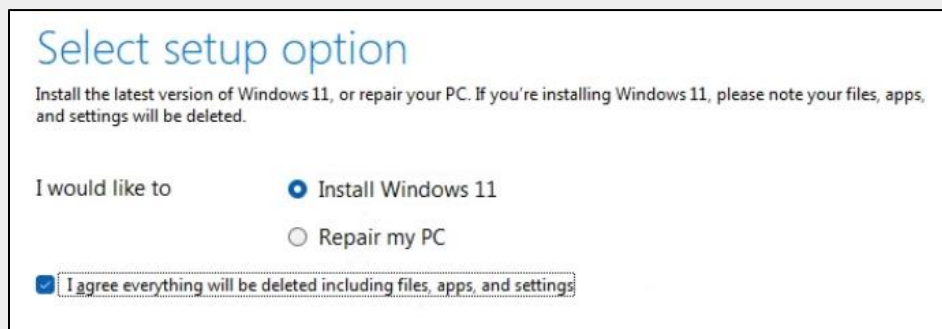
Click on **OK** to close this window

Step 2 – Installing Windows 11

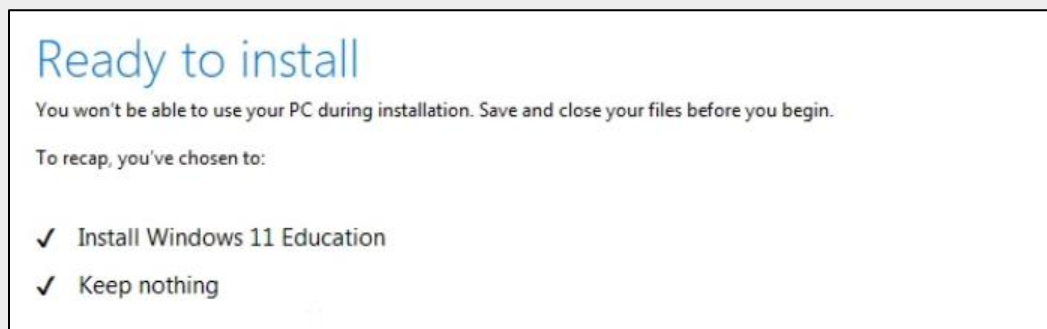
1. Start the new VM.
2. Click by using the mouse **into the VM window**. Click on **Enter** to start the installation.
3. Keep **English** as default language then click on **Next**.
4. Select **Canadian Multilingual Standard** as **keyboard** then click on **Next**.



5. On next page select **I agree to delete** then click on **Next**.



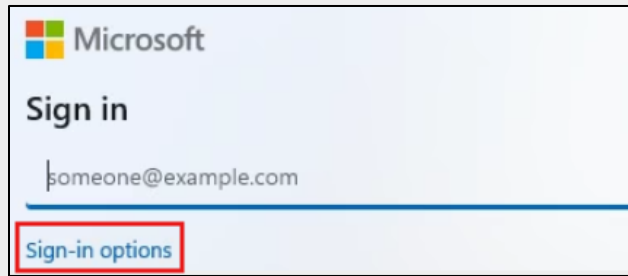
6. Enter the following **Product key**:
237NF-QT8QD-YHC2M-D8CG2-76DFM
7. Click on **Next** then **Accept**.
8. On next page **Select location to install Windows 11**, keep the default selection then click on **Next**.
9. **Click on Install**



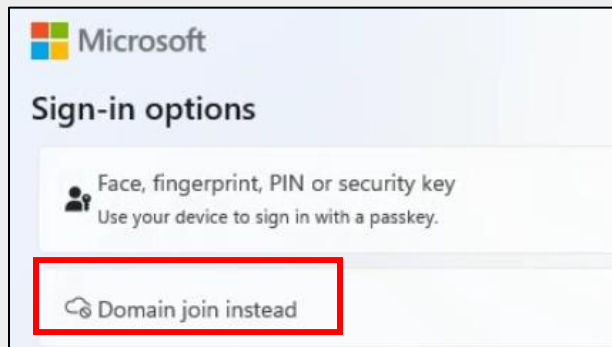
10. Installation will start.
11. Once the VM started, select **Canada → Canada Multilingual Standard → Skip**

12. Wait until **Windows finish the setup.**

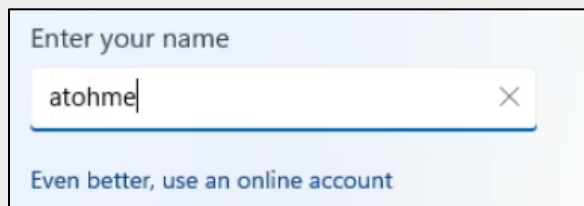
13. In the **Sign in** page, select **Sign-in options**



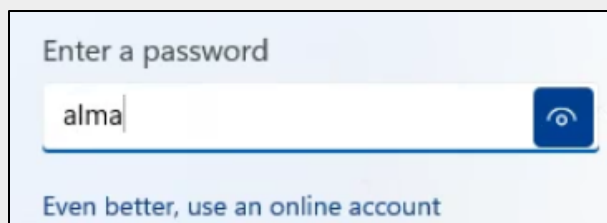
14. Select **Domain join instead**



15. Enter a username (*Use the same username as **AlmaLinux***)



16. Enter a password and confirm it.



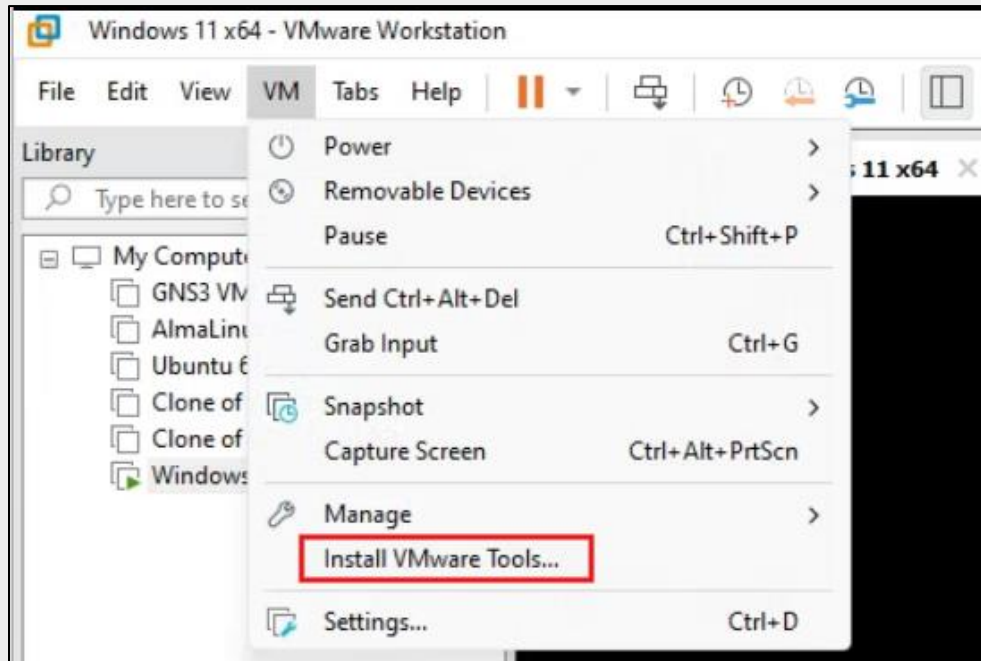
17. Select **Security question 1 to 3** and enter the word **test** as an answer to all three.

18. Select **No** for all the next setup screens then **Accept**.

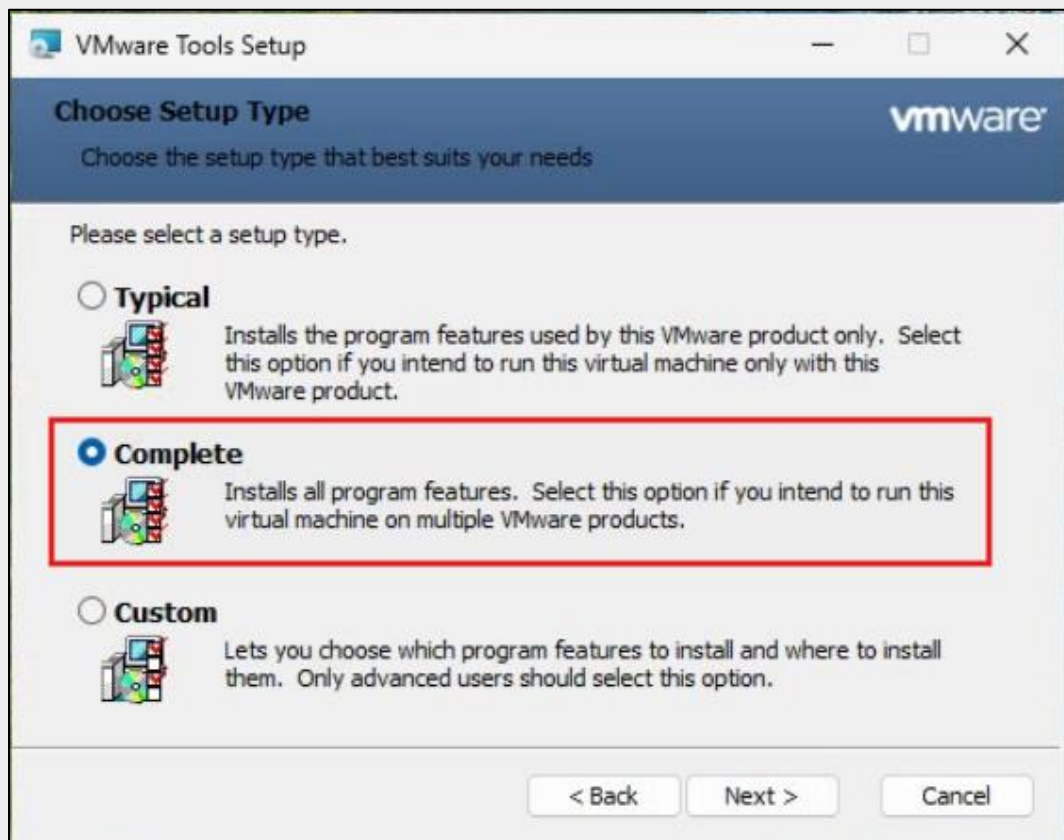
19. **Wait until Windows finish the update.**

20. Once it is done, **sign in** with your user account.

21. From the **VMware** menu, select **Install VMware Tools**.

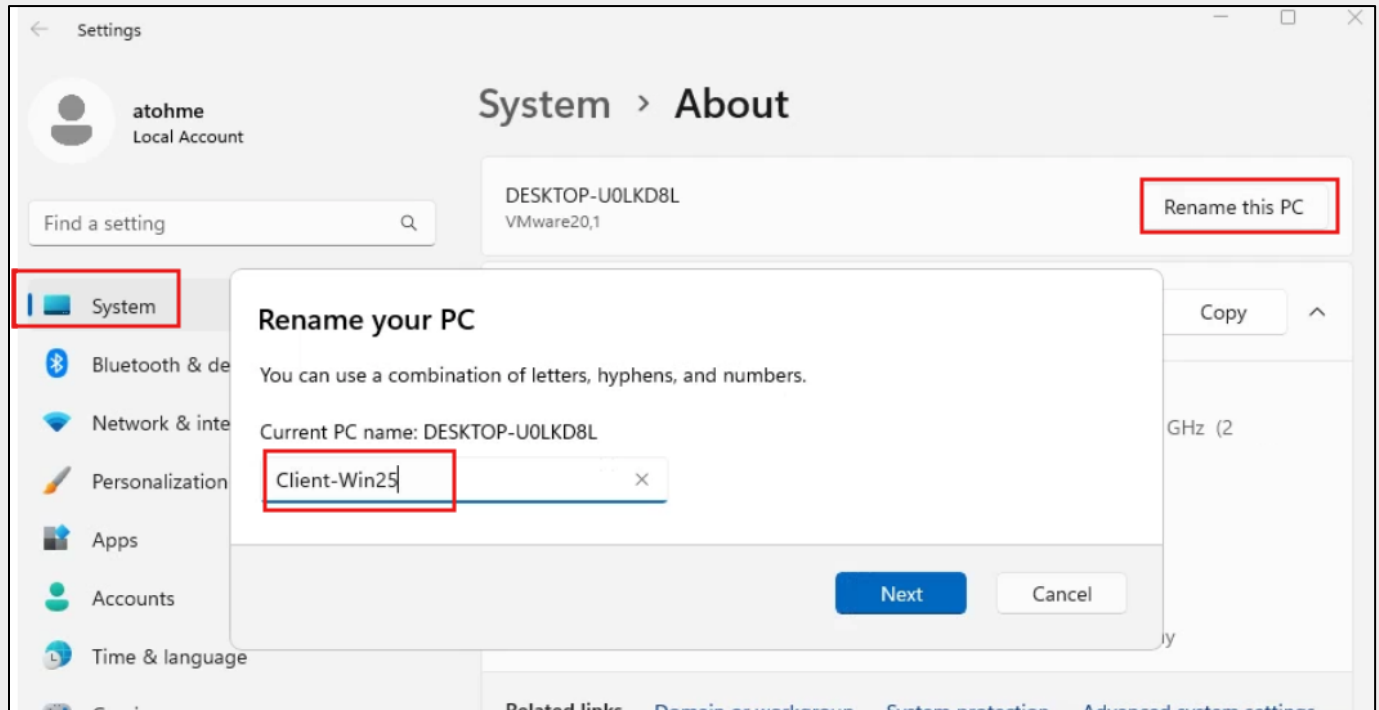


22. Open the **DVD (D:)** and double-click on **setup64** to start the **VMware tools installation**.



23. Don't restart yet the VM.

24. Modify the PC to Client-WinXX (XX is your remote computer number),



25. Restart the VM to make sure it's working properly.

26. Shutdown the VM.

Validation:

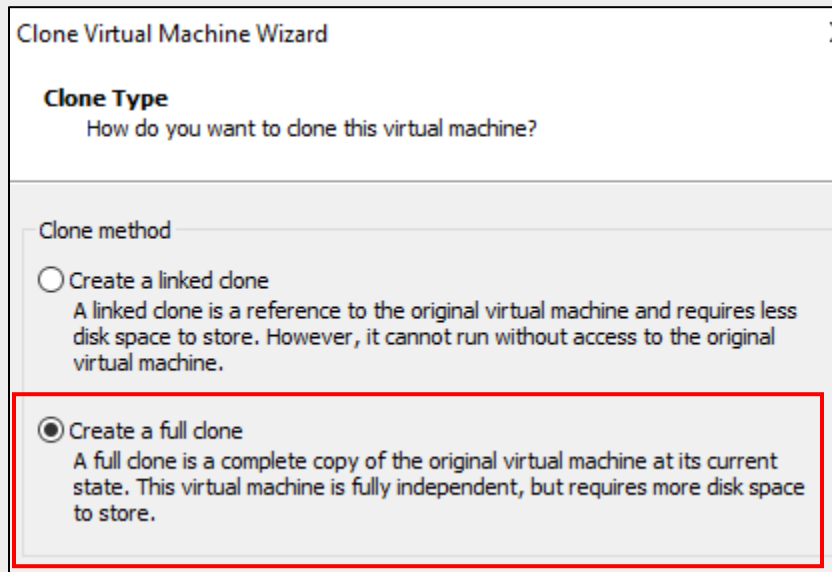
Using `cmd`, take a screenshot of the `hostname` command and place it in the **Lab 1 Word document**.

```
Microsoft Windows [Version 10.0.26100.3194]
(c) Microsoft Corporation. All rights reserved.

C:\Users\atohme>hostname
Client-Win25

C:\Users\atohme>
```

27. Shut down the **Ubuntu VM** and make a **complete clone of the VM**.



28. Take also a **Snapshot** of the VM.

