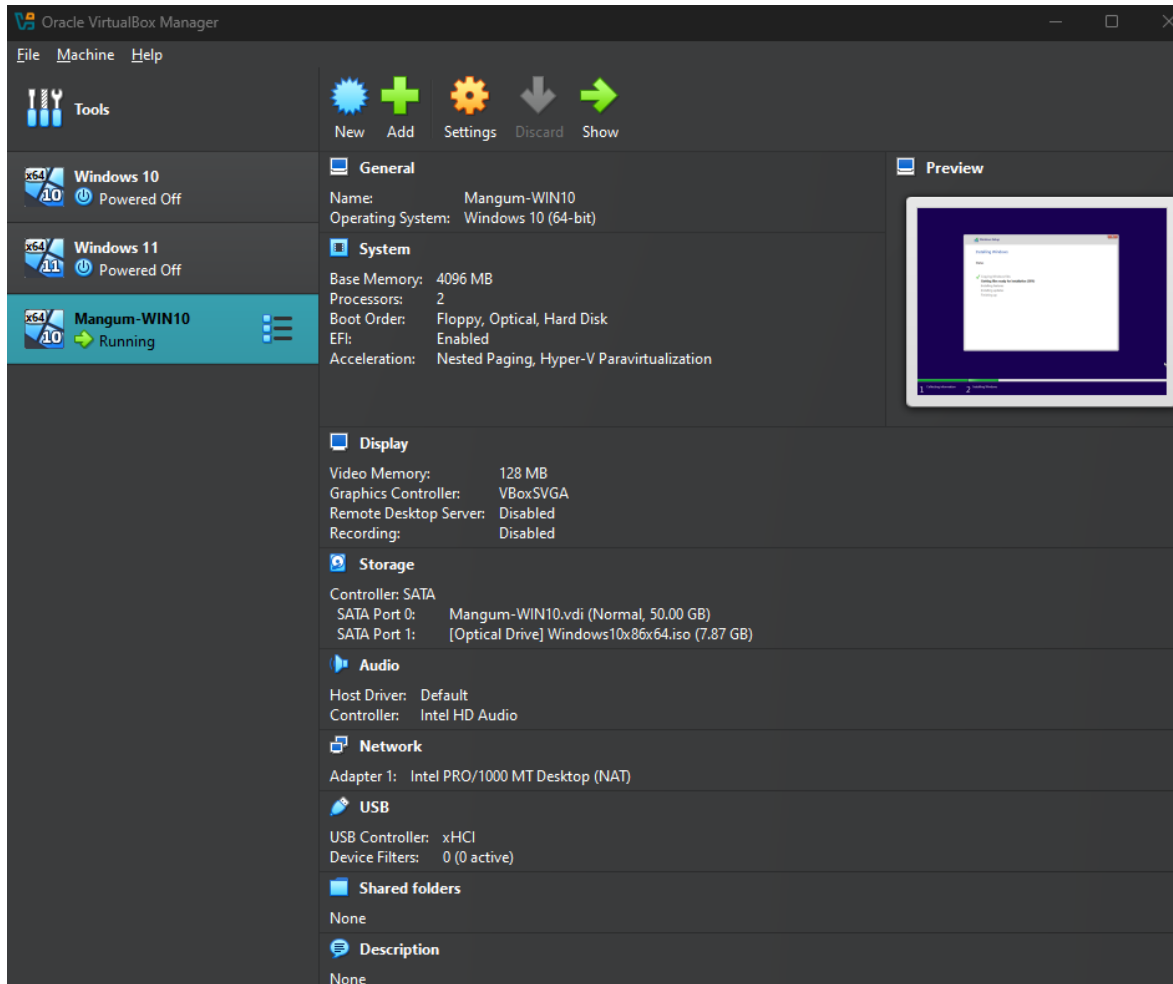


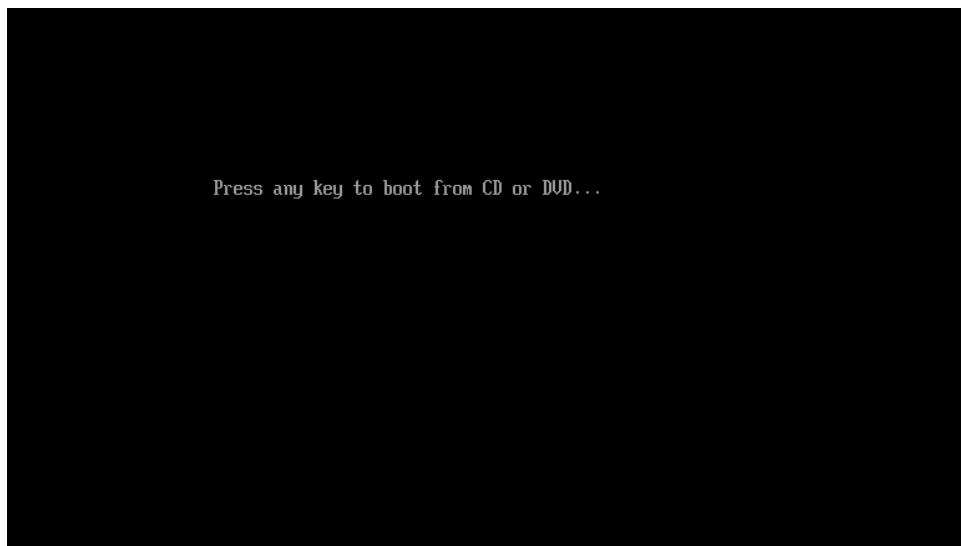
Jayce Mangum's CSNT115 Final Project

Creating Virtual Machine & Installing Windows 10

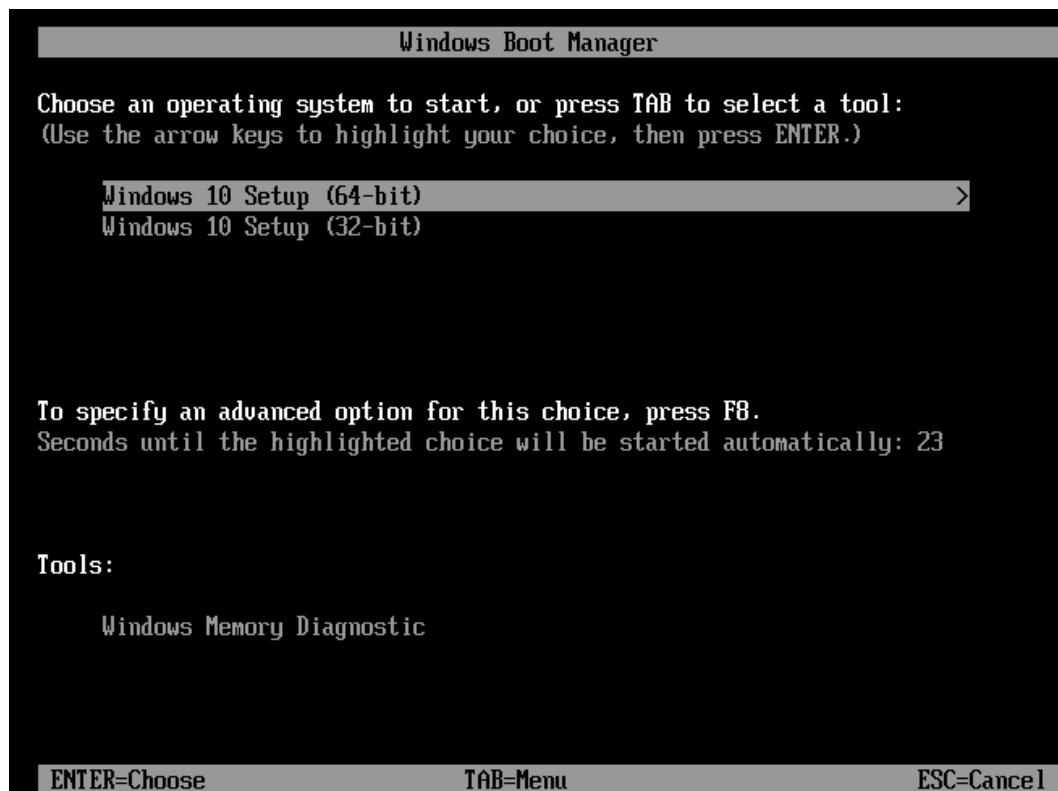
1. Created a New VM in VirtualBox with the following settings:



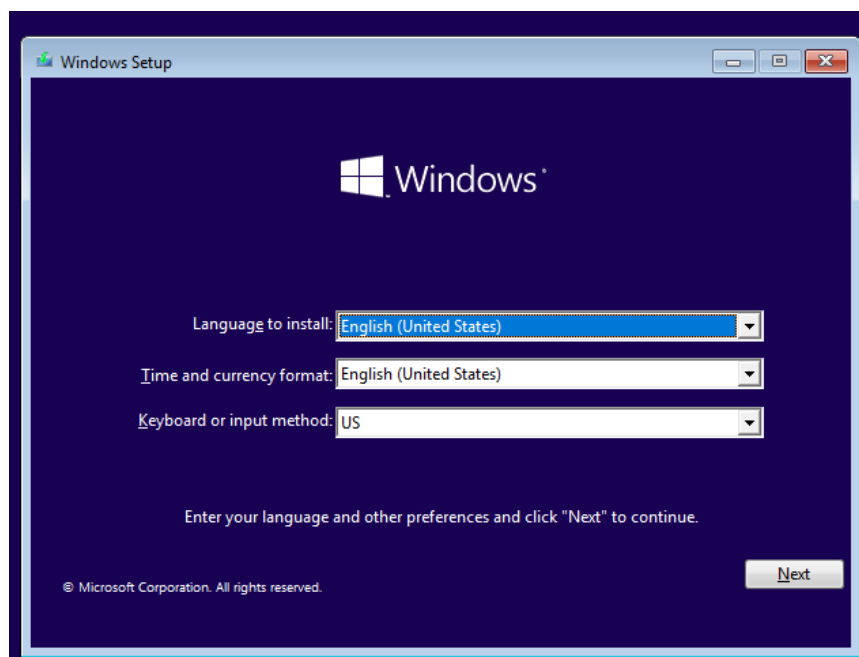
2. Started VM: Pressing Enter to boot into the Windows10 ISO



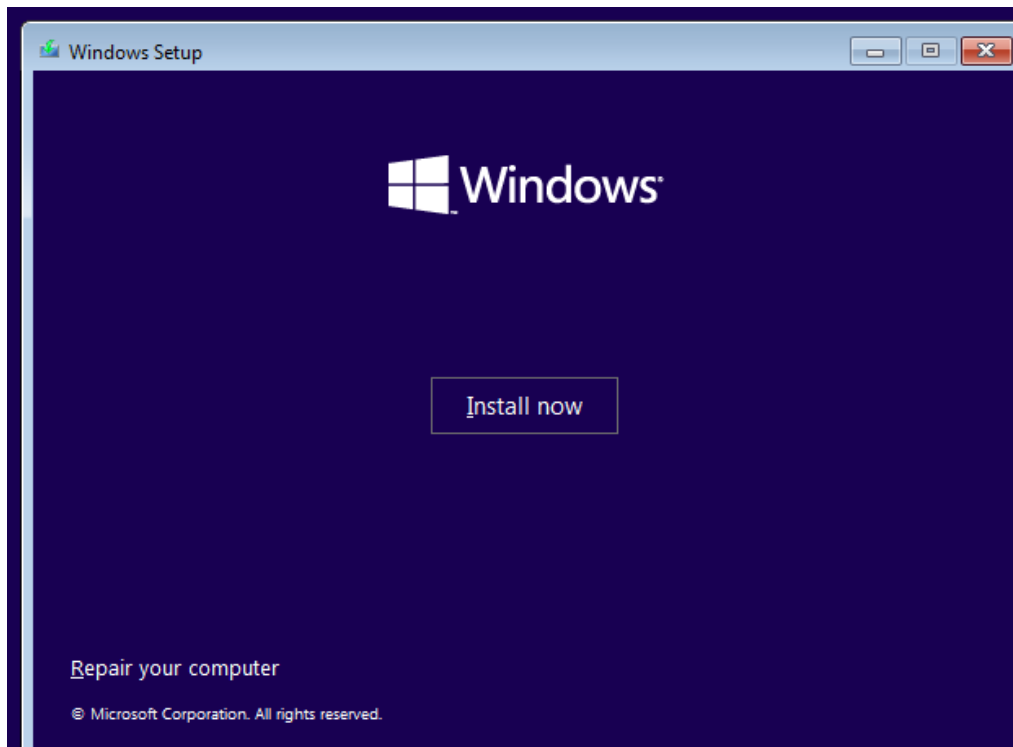
3. Chose Windows 10 Setup (64-bit) in the Windows Boot Manager



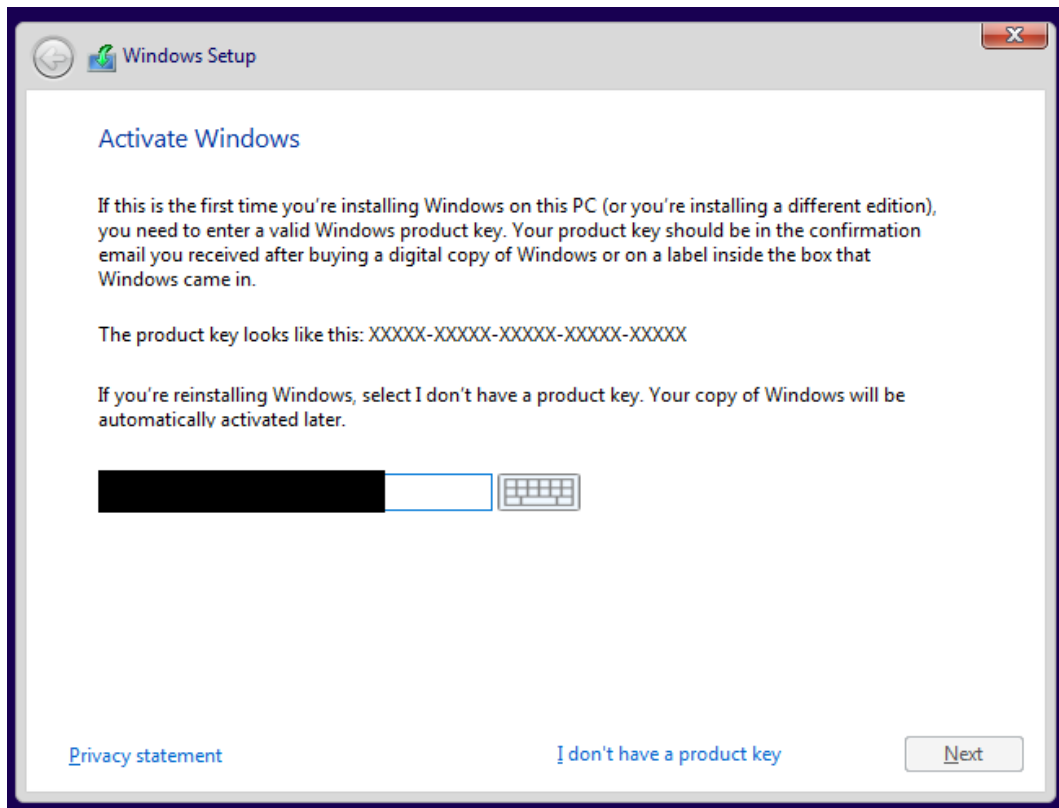
4. Chose English as the main language, time & currency format and set Keyboard input to US and clicked next



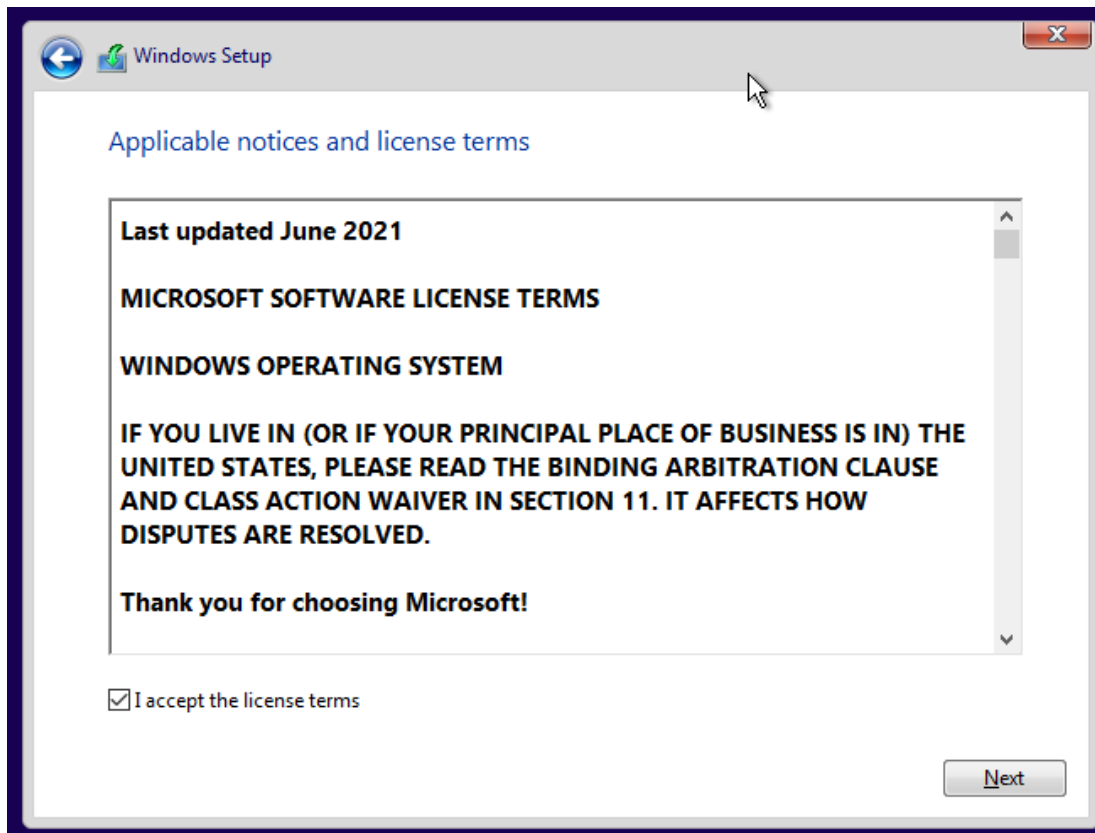
5. Clicked Install Now



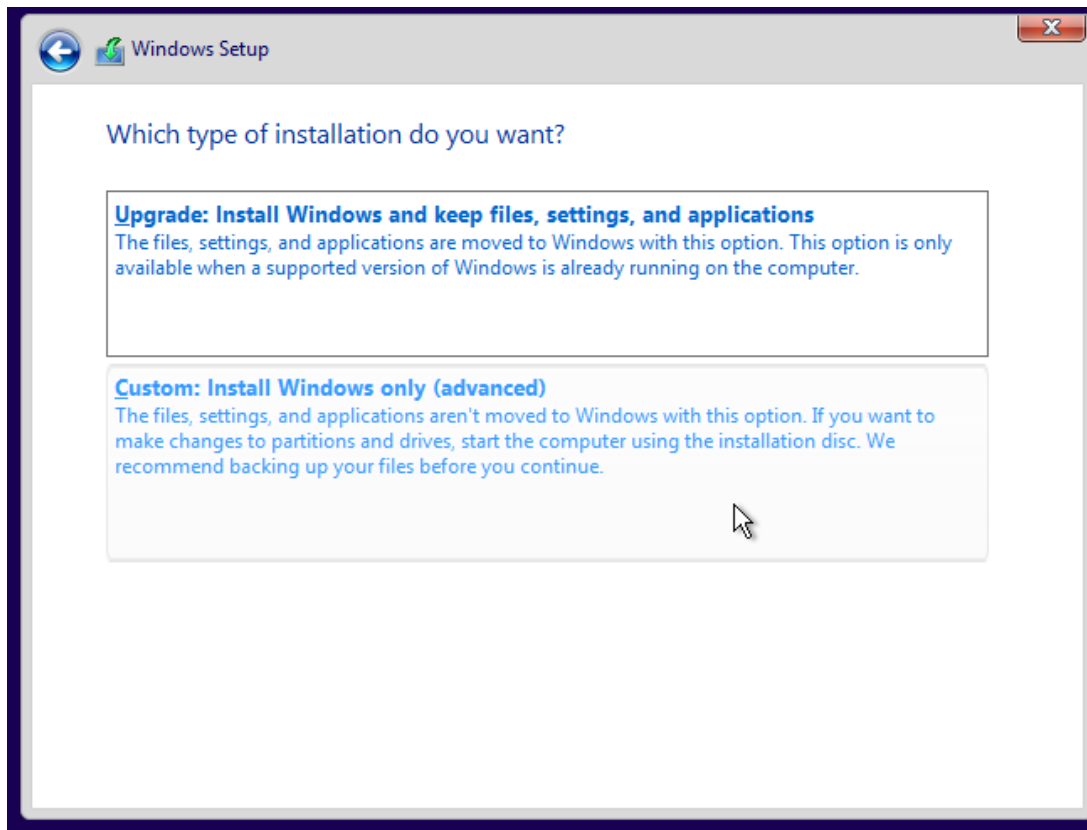
6. Entered in my super secret product key and clicked next



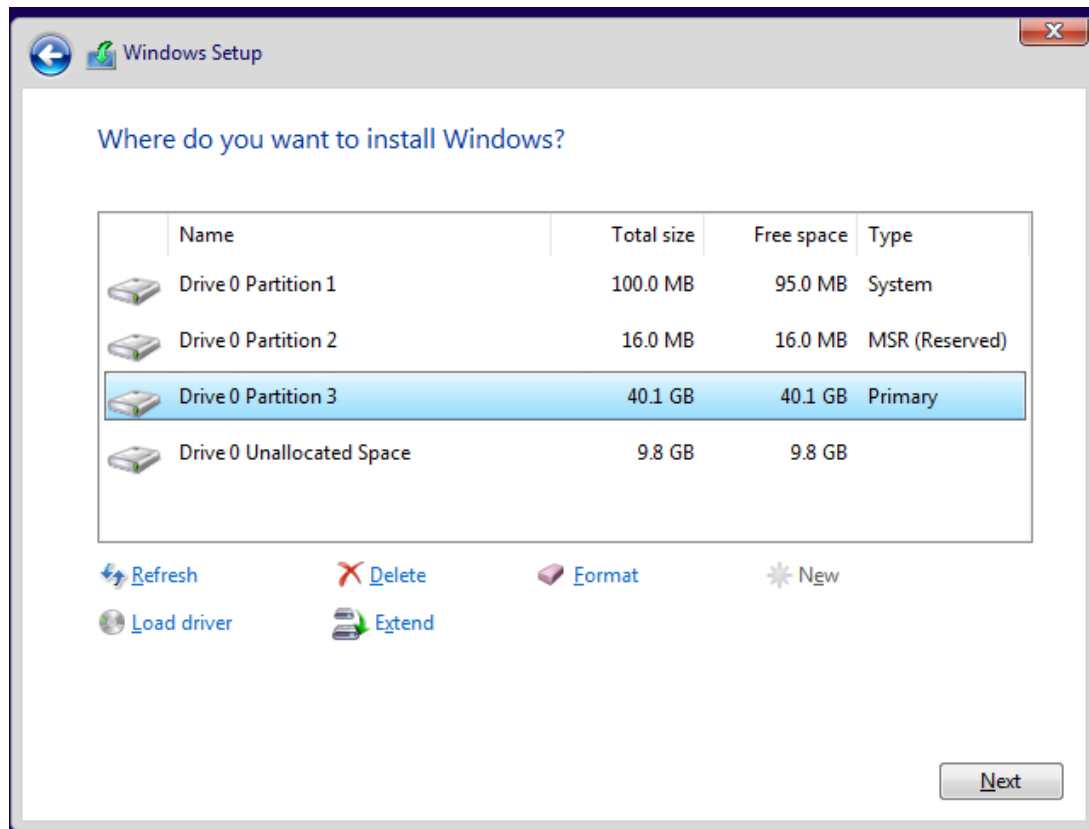
7. Accepted the License Agreement and clicked next



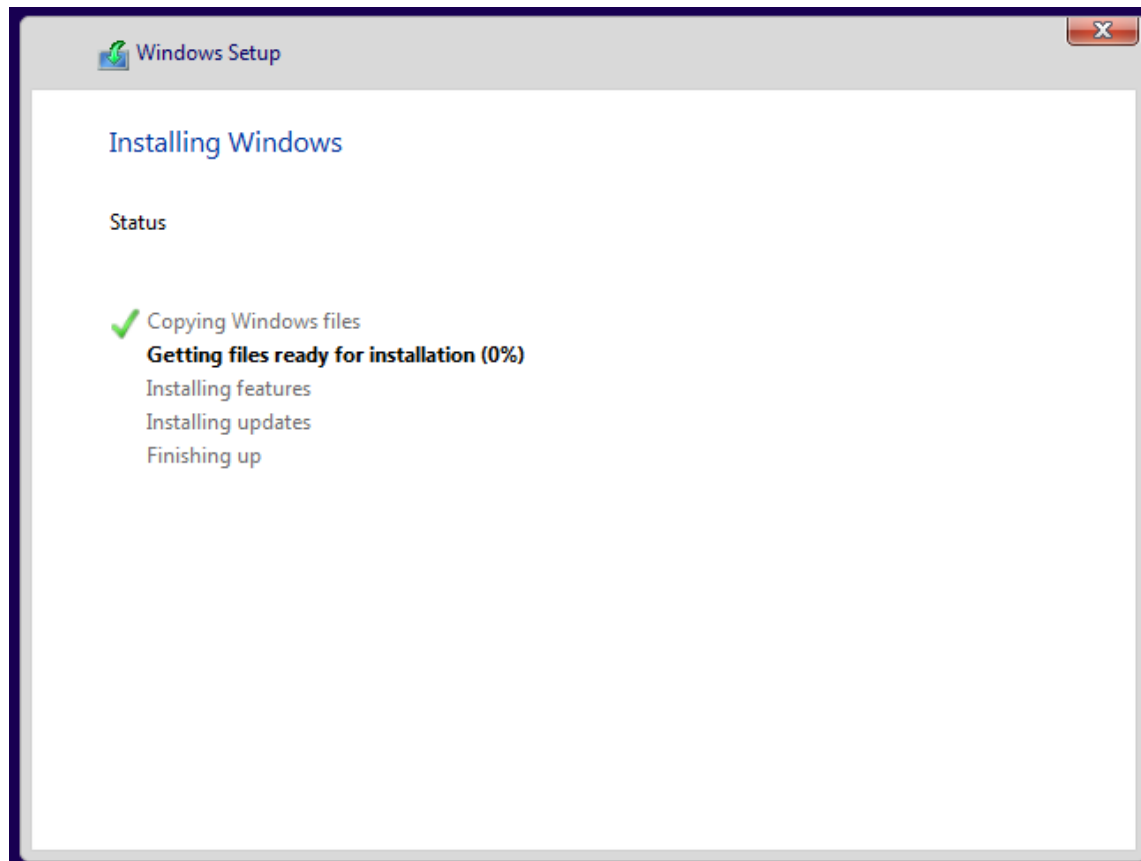
8. Chose Custom: Install Windows only (advanced)



9. Partitioned the C:\ Drive with 41GB of storage and left 9.8GB left over for the D:/ Drive



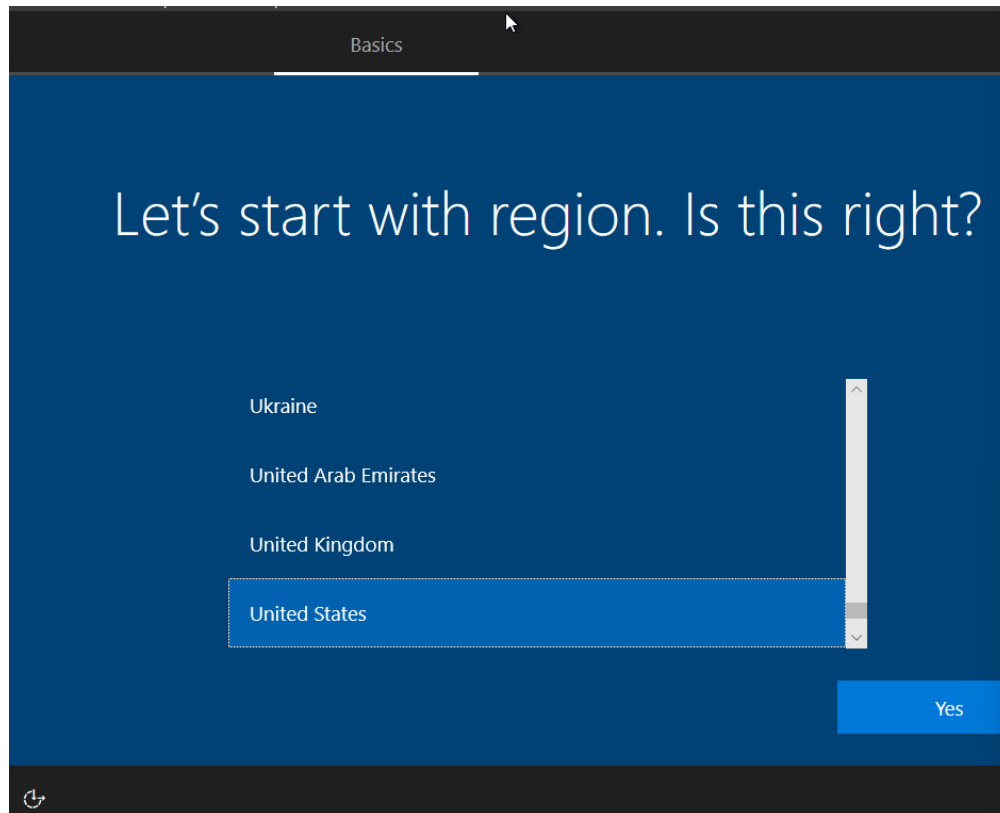
10. Windows is installing



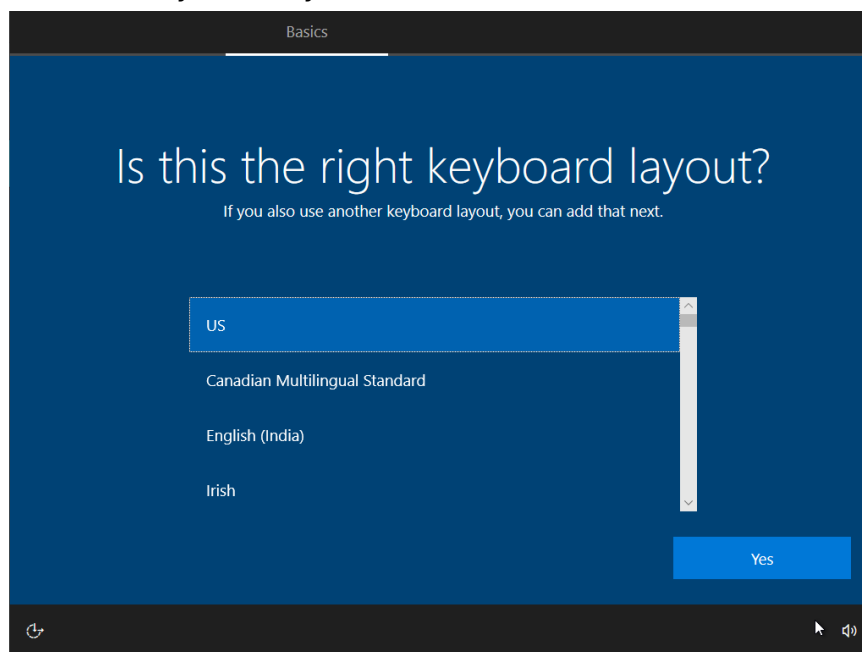
Windows Out of Box Experience

11. Once Windows finishes installing it Reboots into the Windows OOBE to configure settings

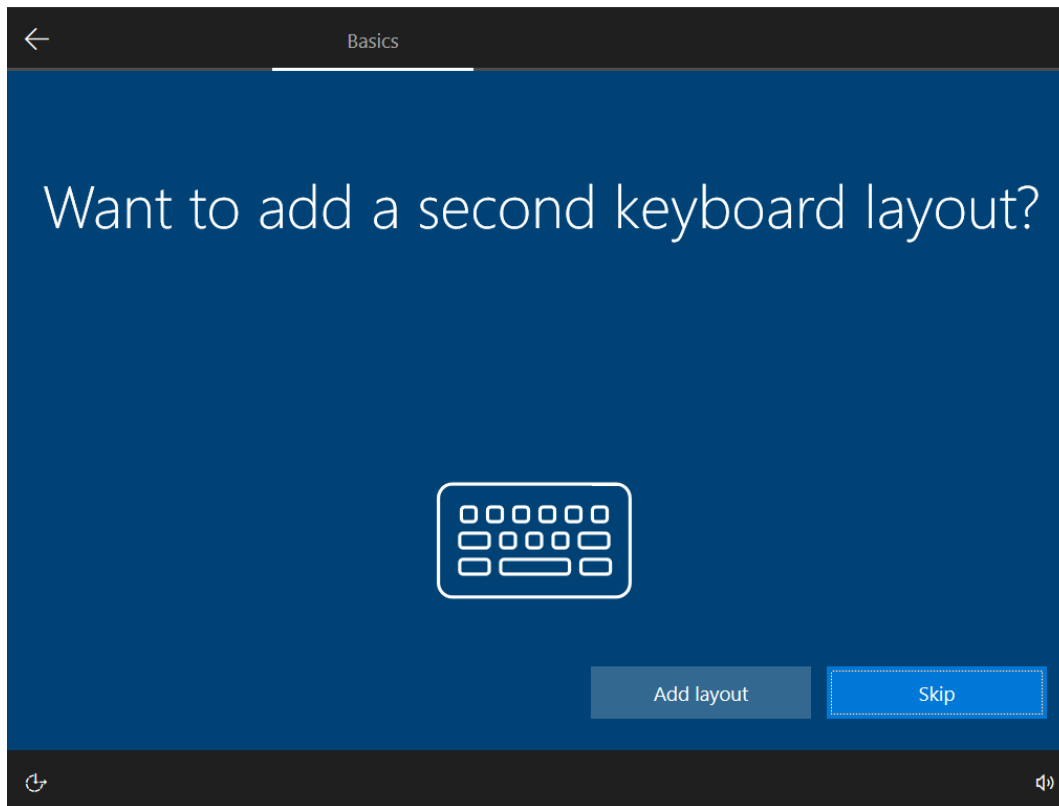
12. Choose United States as Region and clicked Yes



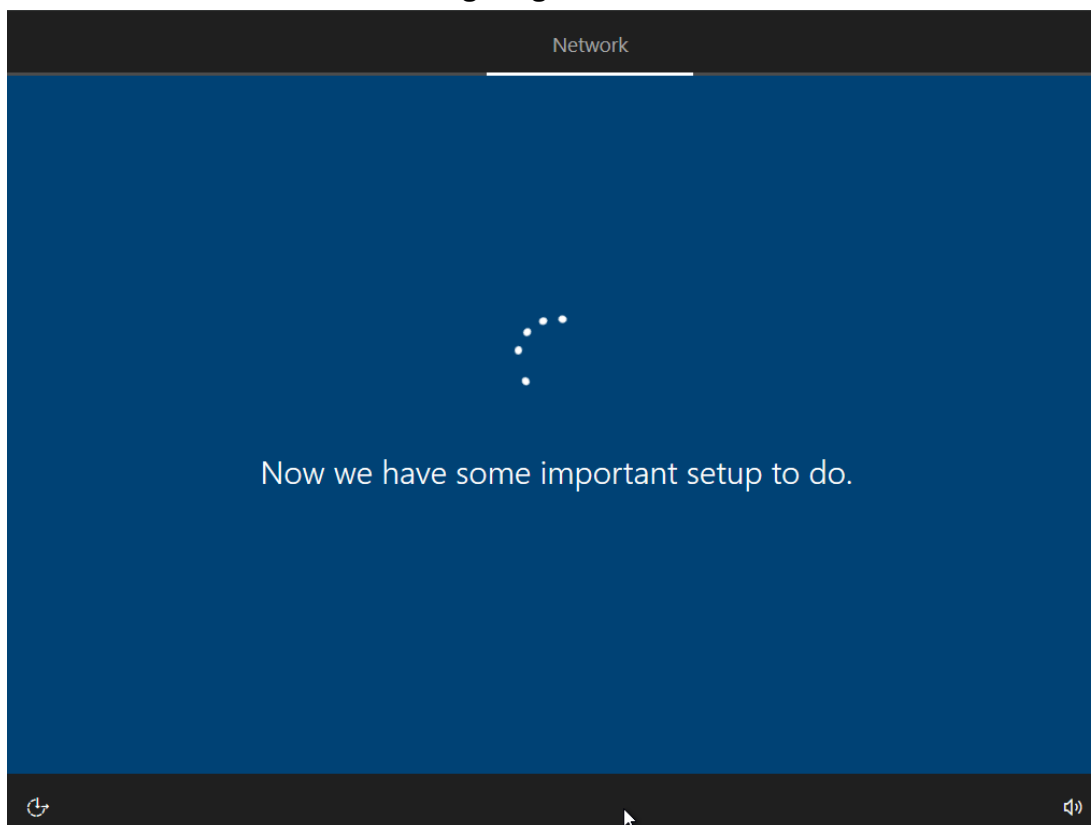
13. US as the keyboard layout



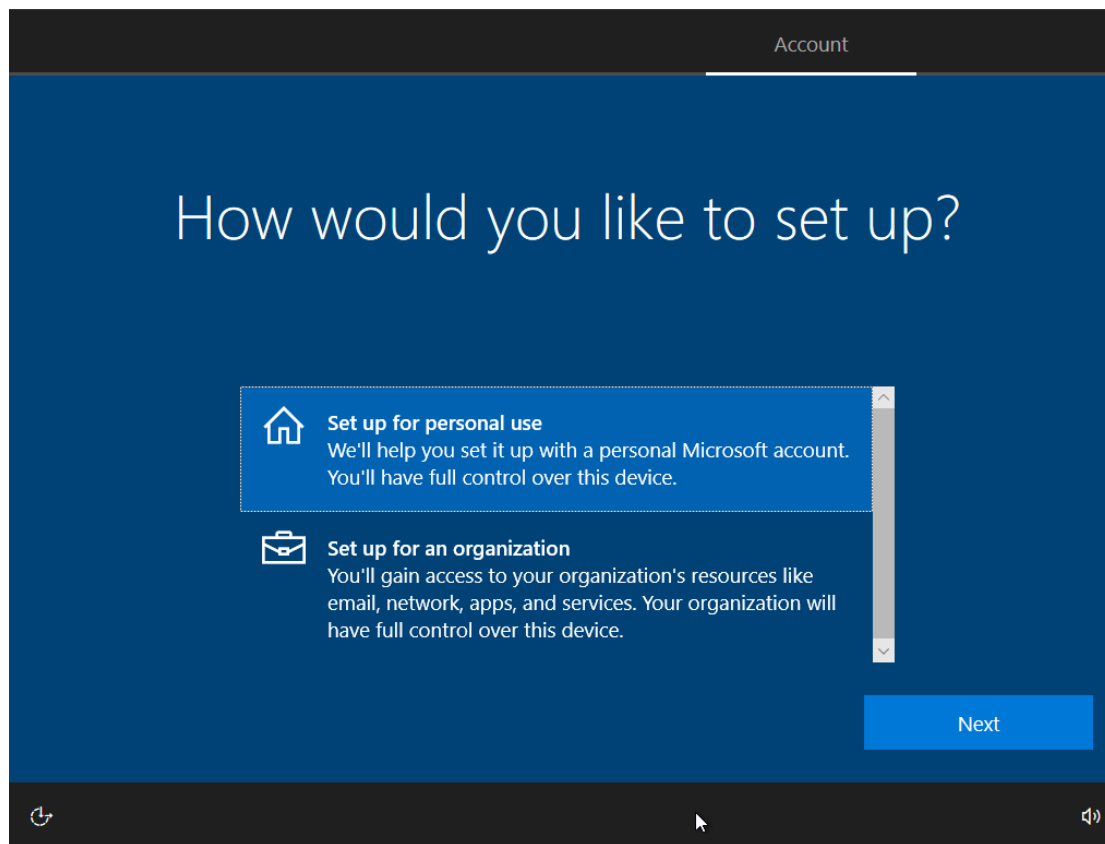
14. Skipped adding a second keyboard layout



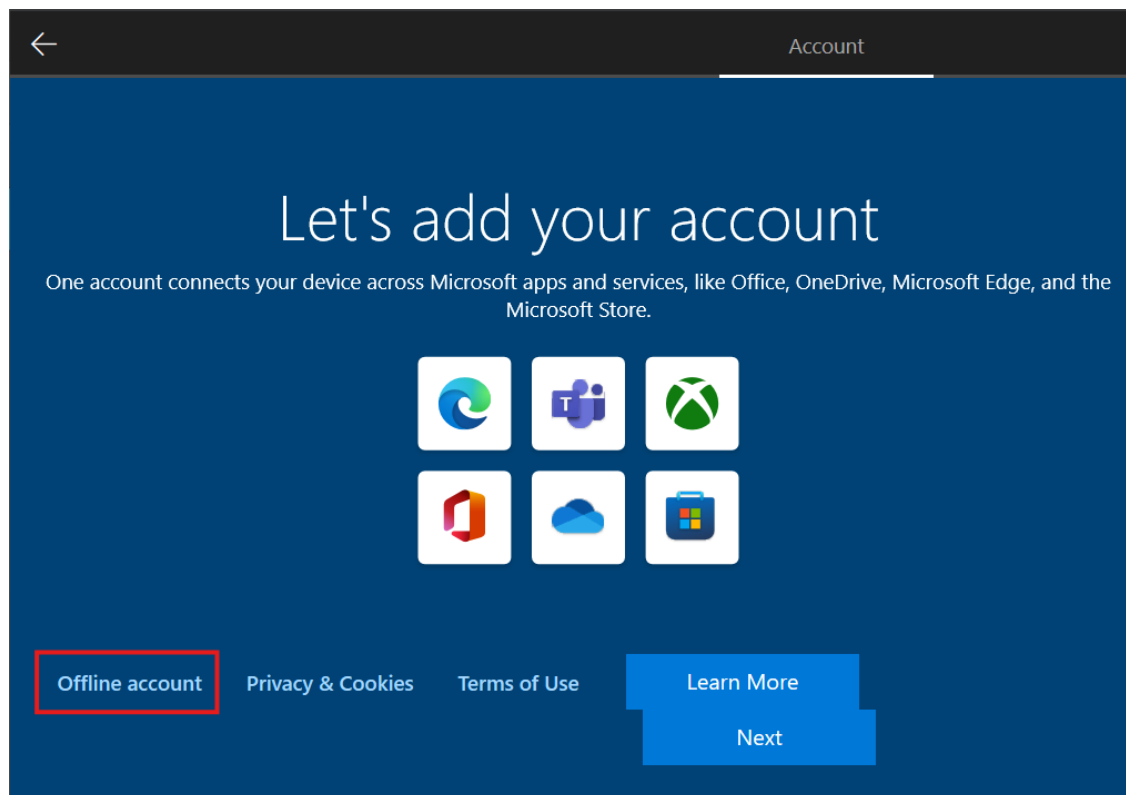
15. Wait until Windows finishes configuring



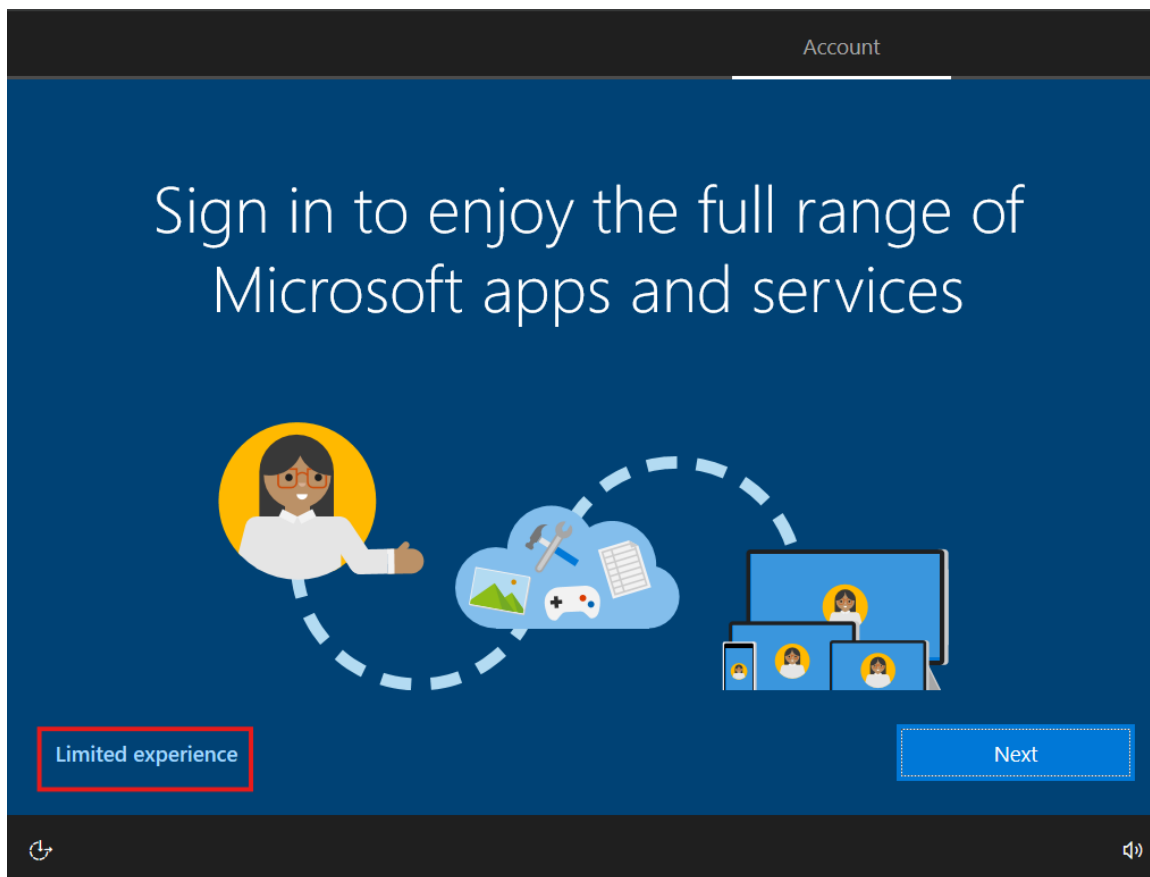
16. Selected Set up for personal use and clicked Next



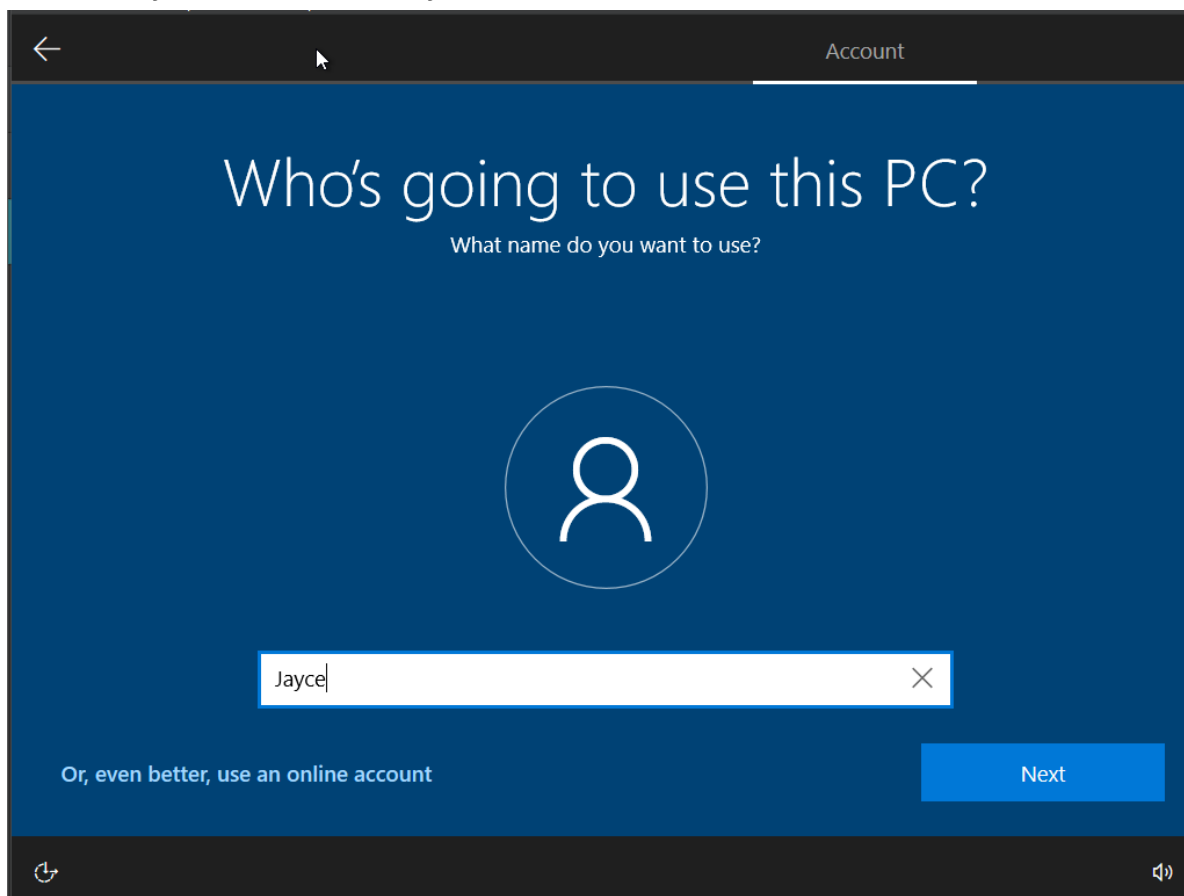
17. Clicked on Offline Account



18. Clicked Limited Experience



19. Created my user account as Jayce and clicked Next



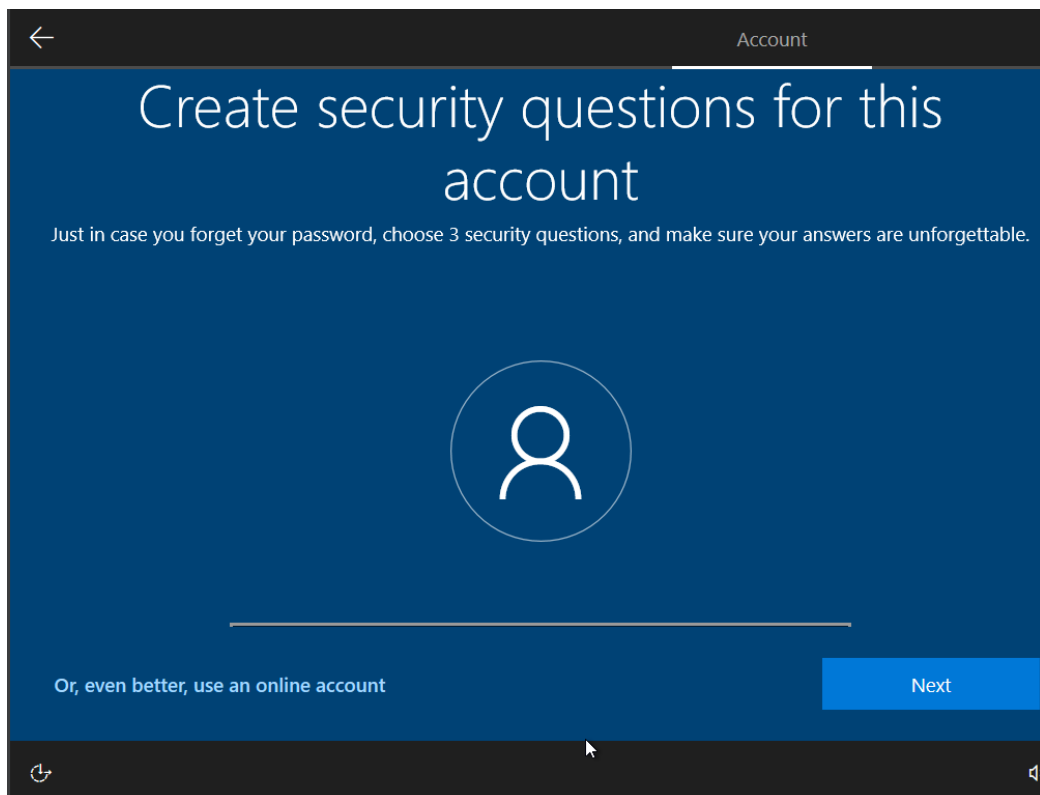
20. Created a password and clicked Next

This screenshot shows the 'Create a super memorable password' screen in the Windows account setup process. The background is a solid blue color. At the top, there is a dark grey header bar with a back arrow on the left and the word 'Account' on the right. The main heading 'Create a super memorable password' is centered in a large white font, with the subtext 'Make sure to pick something you'll absolutely remember.' below it. In the center of the screen is a white circular icon representing a person. Below this icon is a white password input field with a blue border and a blue eye icon on the right. The field contains ten black dots. At the bottom left, there is a link that says 'Or, even better, use an online account'. At the bottom right, there is a blue button with the word 'Next' in white. The bottom of the screen features a dark grey footer bar with a refresh icon on the left and a speaker icon on the right.

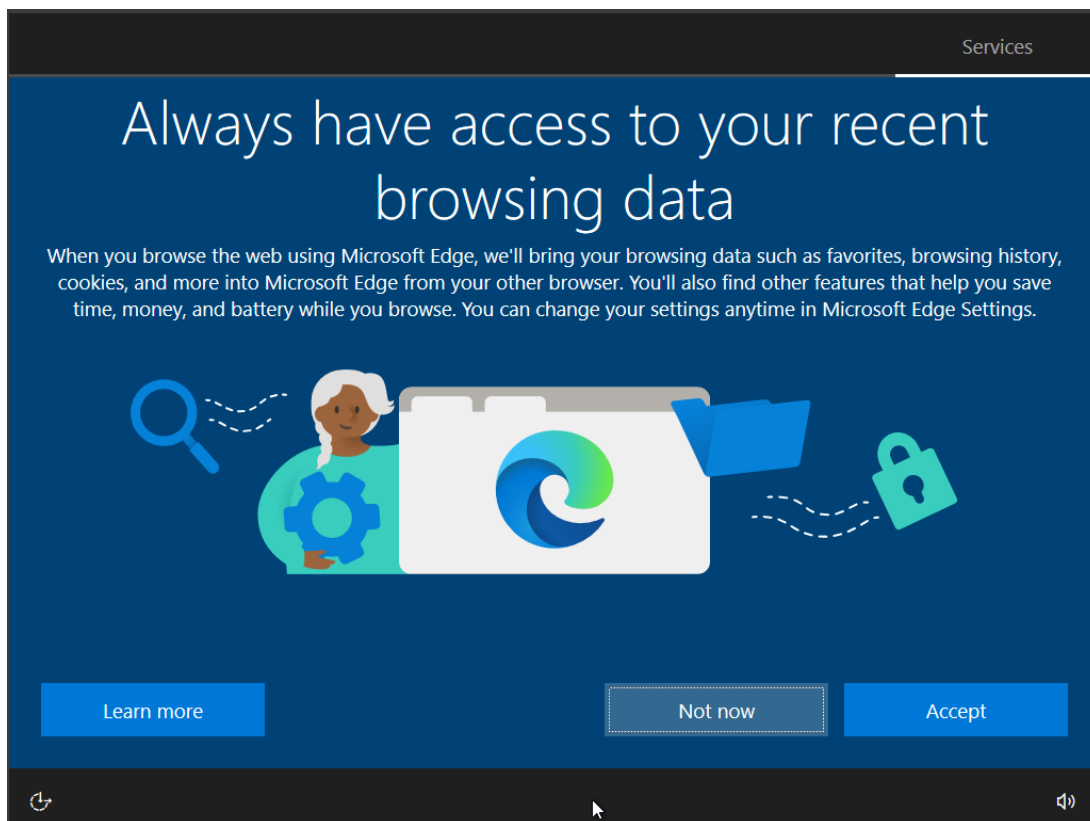
21. Confirmed the password I created and clicked next

This screenshot shows the 'Confirm your password' screen in the Windows account setup process. The background is a solid blue color. At the top, there is a dark grey header bar with a back arrow on the left and the word 'Account' on the right. The main heading 'Confirm your password' is centered in a large white font, with the subtext 'Type your password one last time' below it. In the center of the screen is a white circular icon representing a person. Below this icon is a white password input field with a blue border and a blue eye icon on the right. The field contains ten black dots. At the bottom left, there is a link that says 'Or, even better, use an online account'. At the bottom right, there is a blue button with the word 'Next' in white. The bottom of the screen features a dark grey footer bar with a refresh icon on the left and a speaker icon on the right.

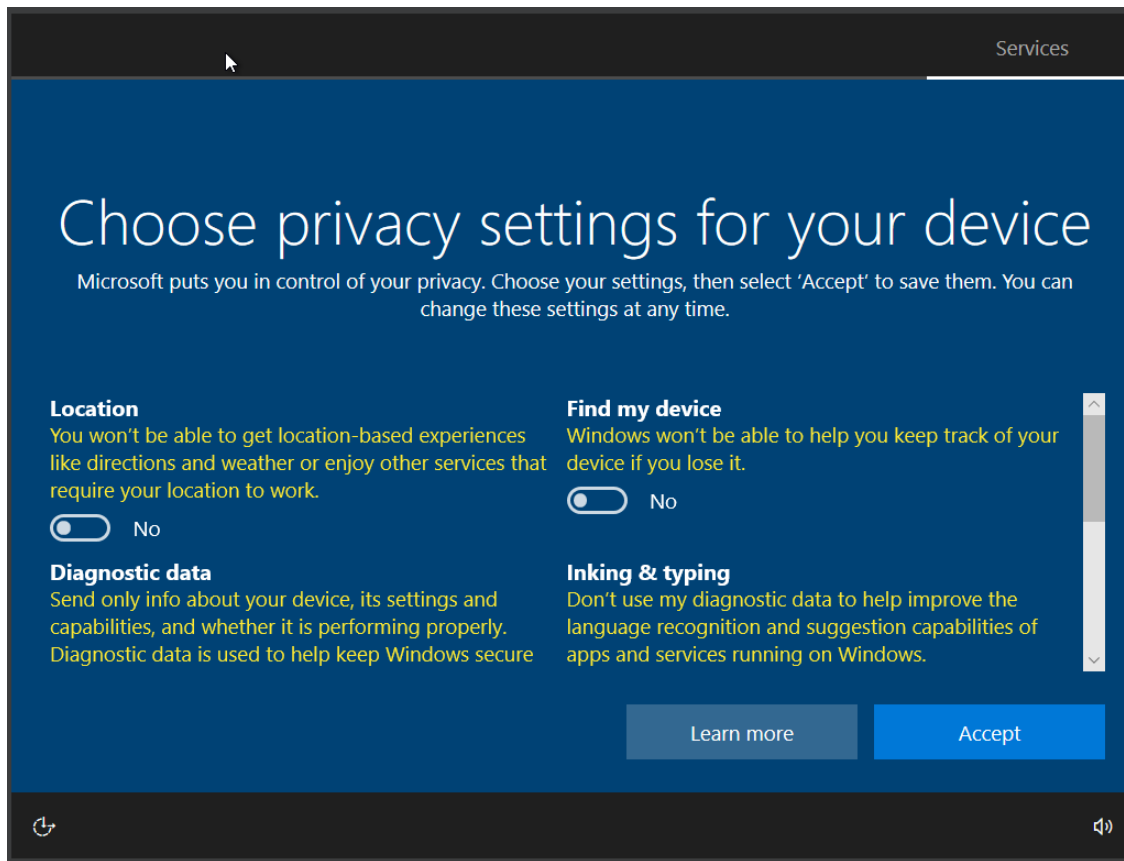
22. Created 3 security questions



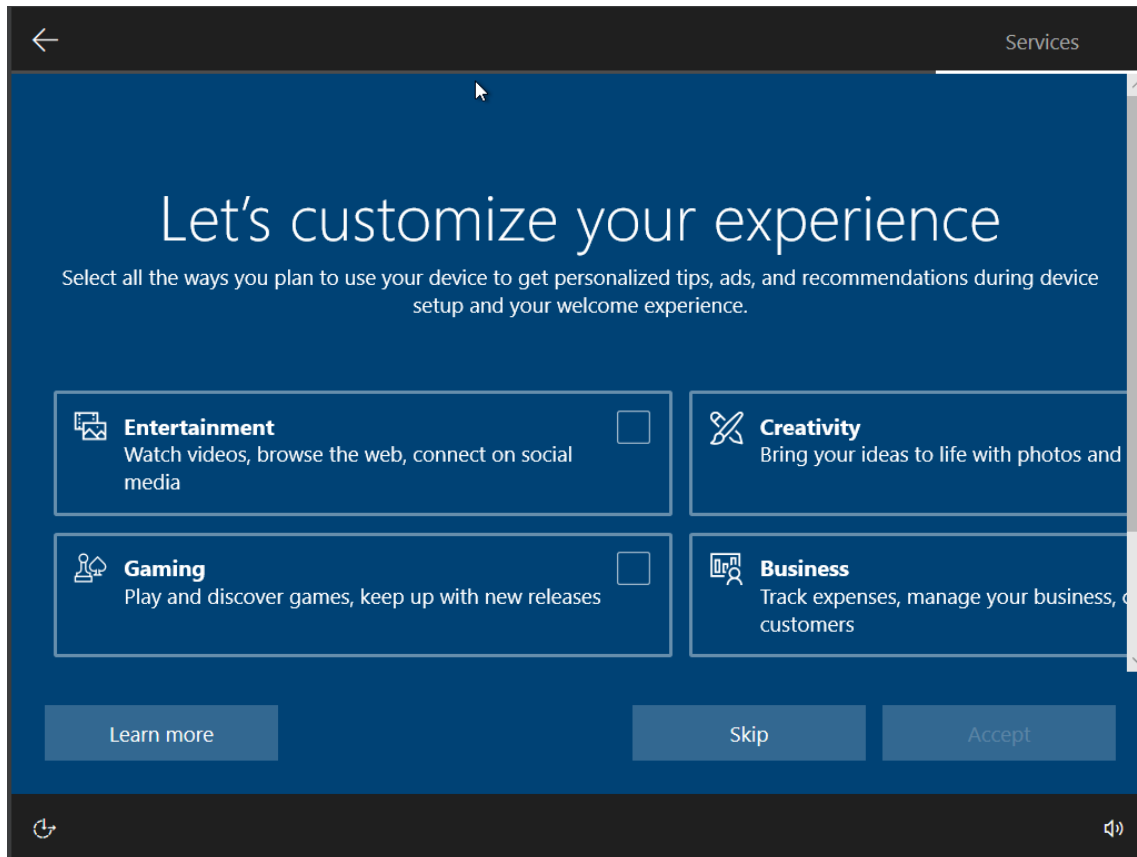
23. Clicked Not Now



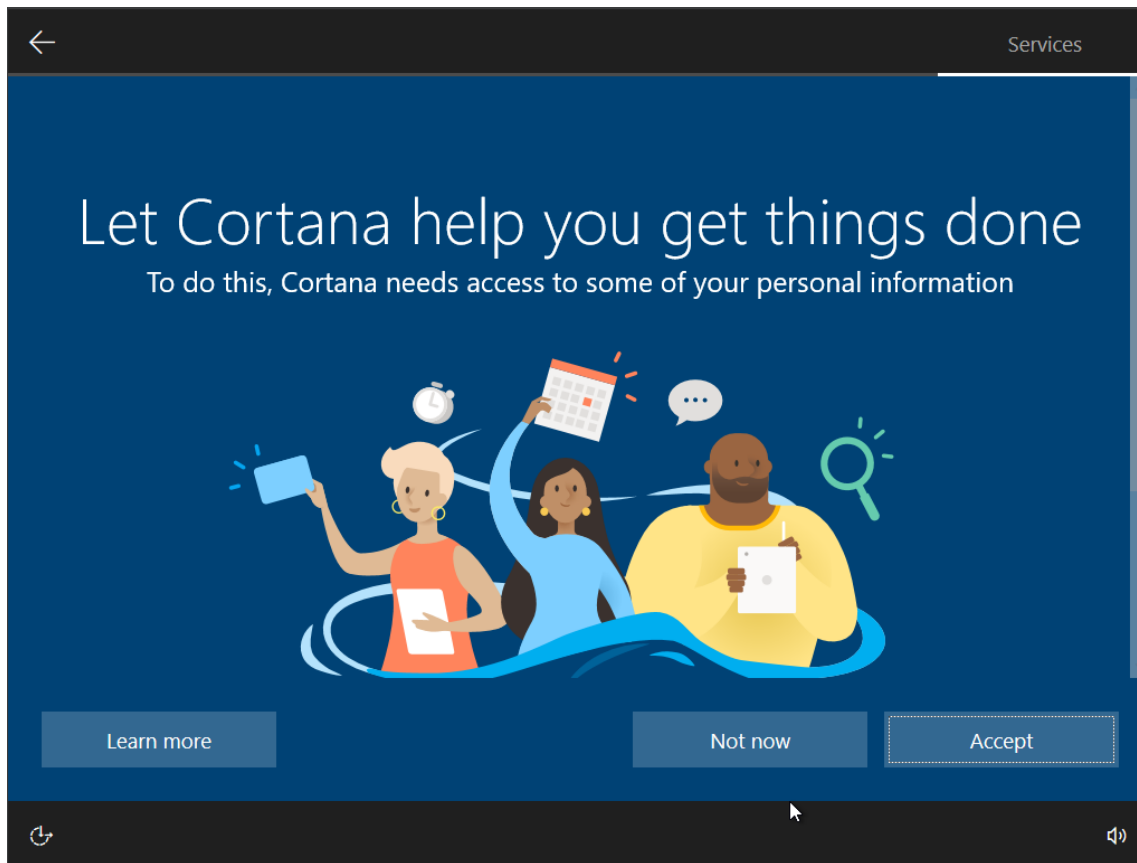
24. Disabled everything in the Privacy settings section and clicked Accept



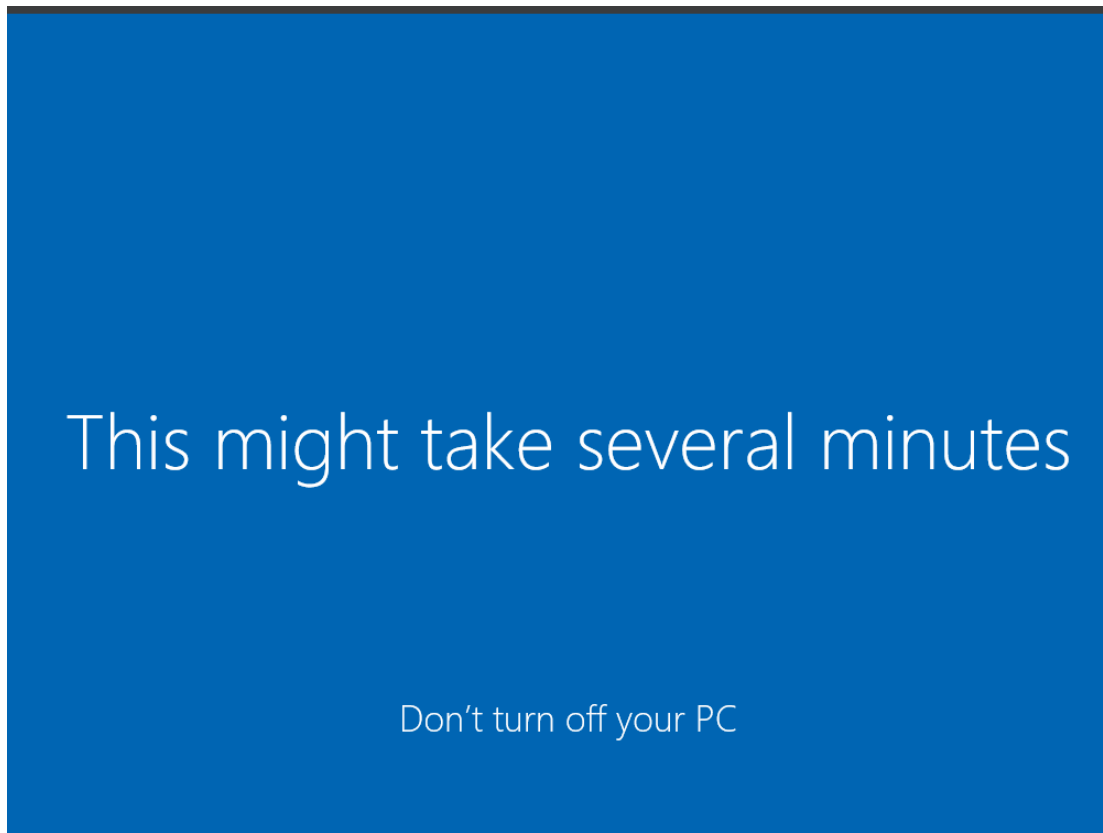
25. Skipped the Let's customize your experience section



26. Clicked Not now for Cortana

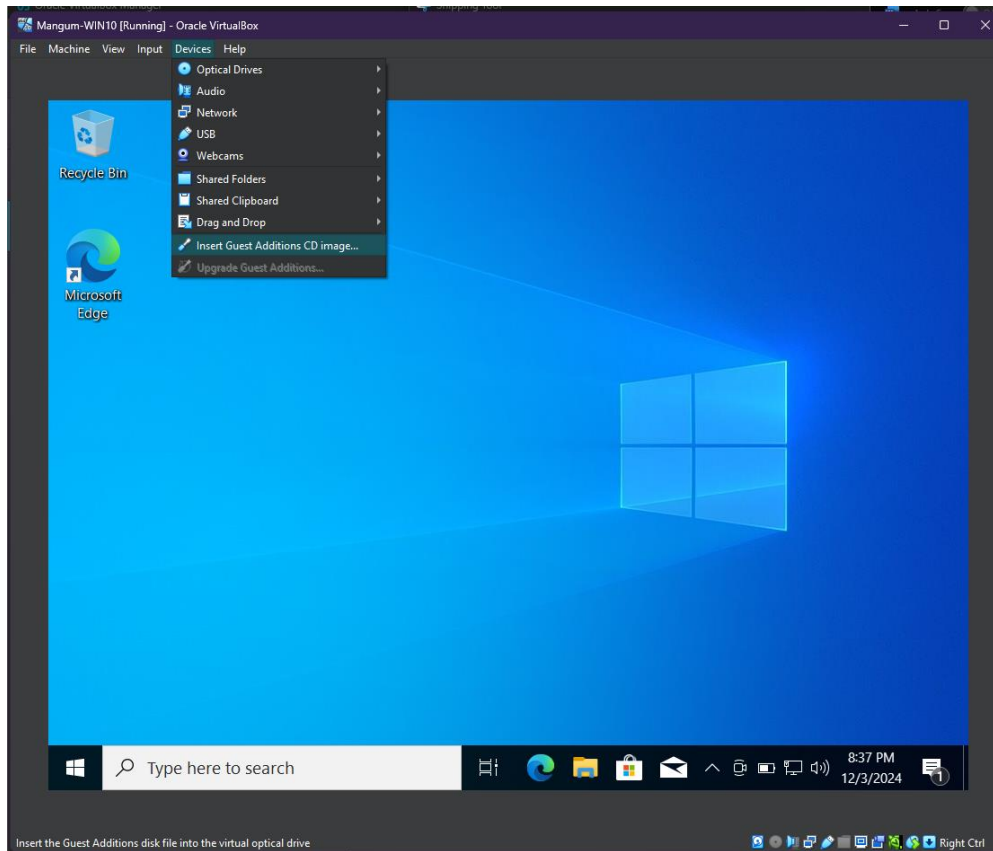


27. Waited for Windows to finish setting up.

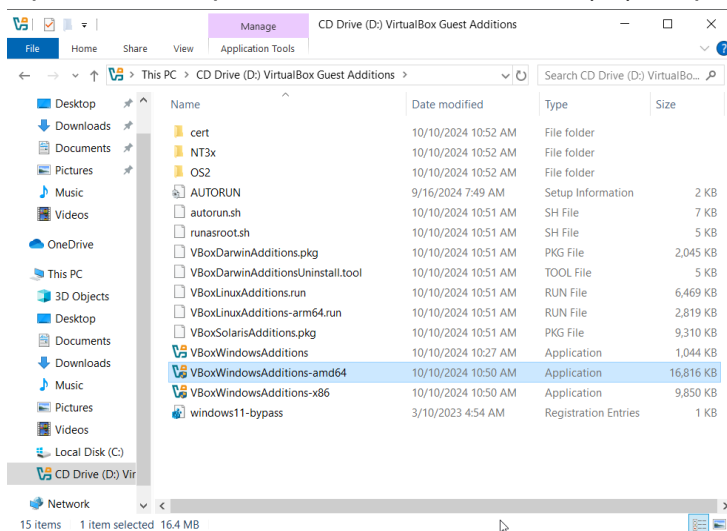


Installing Virtual Box Drivers

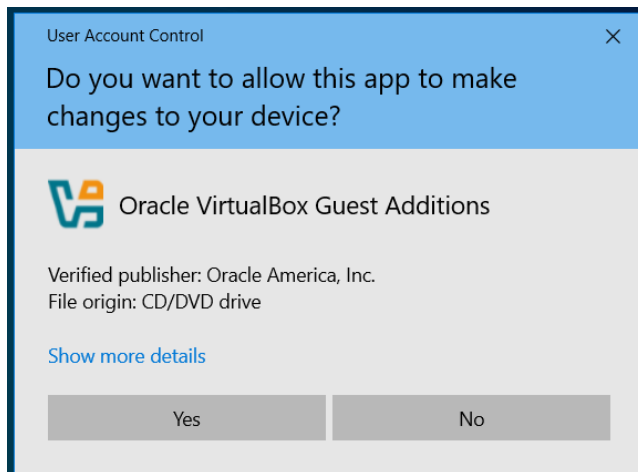
28. Mounted the Guest Additions CD to install the VirtualBox Drives by going up to Devices > Insert Guest Additions CD image...



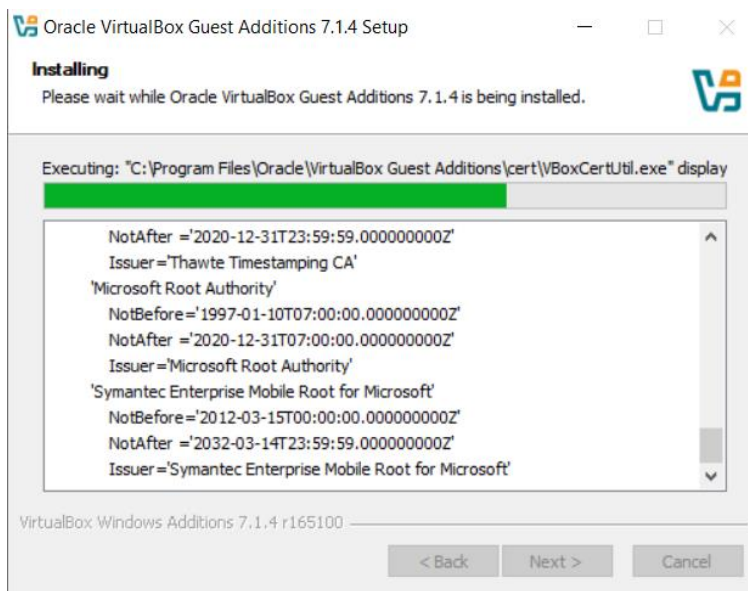
29. Opened File Explorer > This PC > CD Drive (D:) to open VBoxWindowsAdditions-amd64.exe



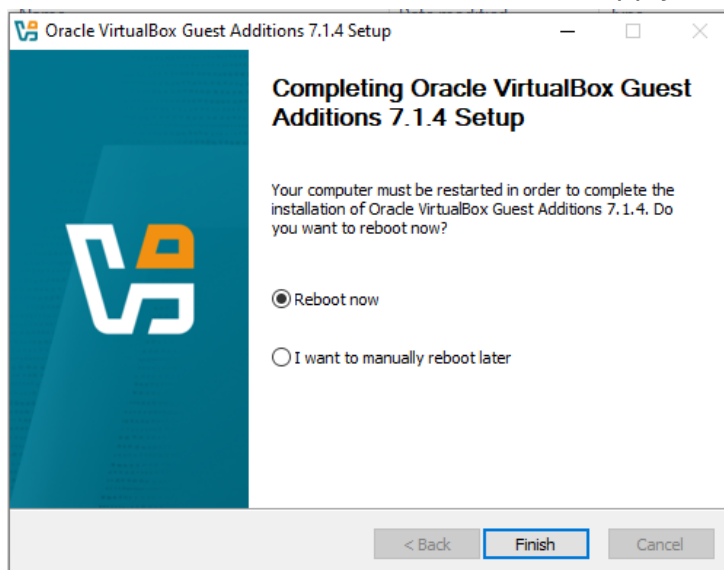
30. Clicked on Yes in the User Account Control



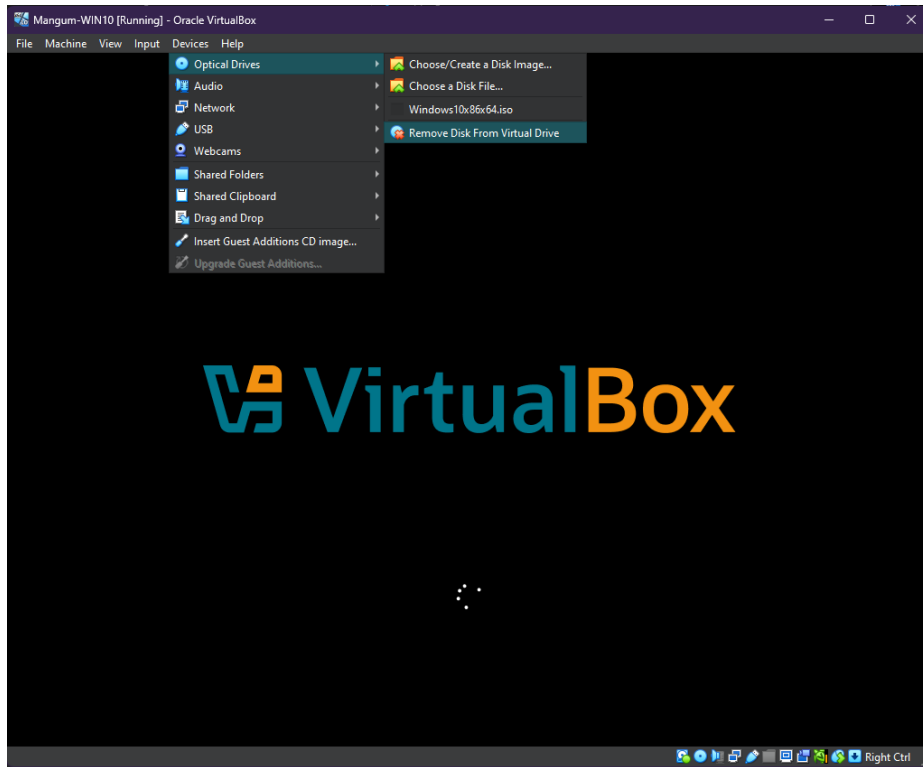
31. Followed the Installer instructions to Install the drives



32. Selected Reboot Now and clicked Finish to apply the drives

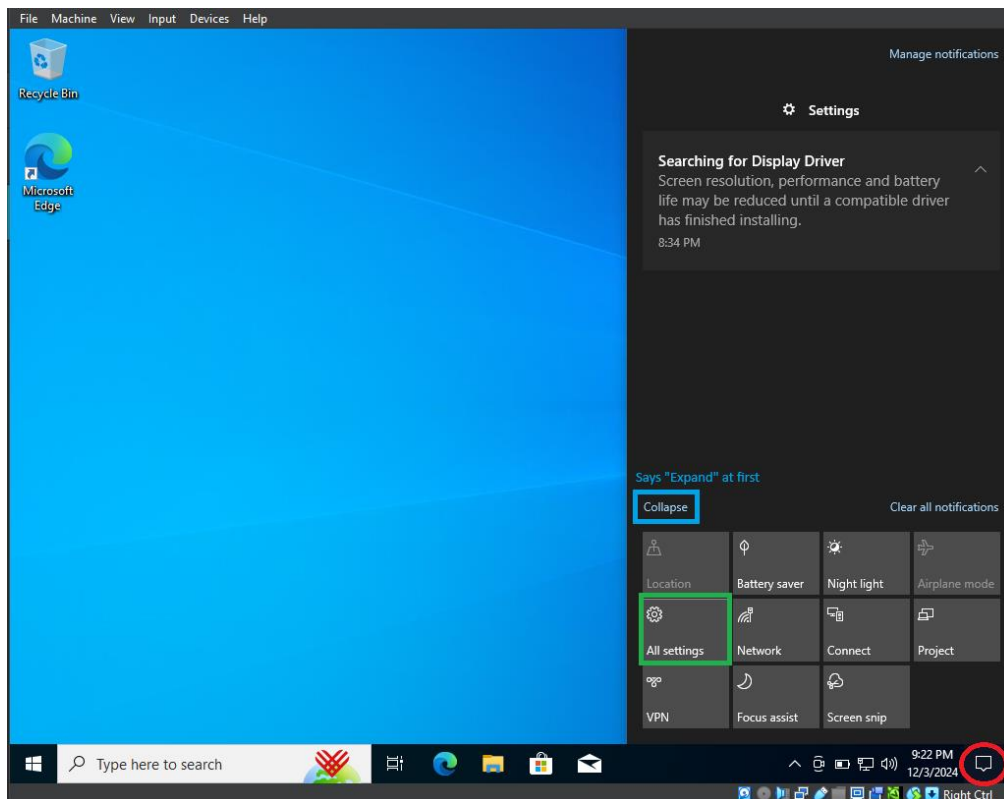


33. Unmounted the VirtualBox Guest Additions ISO by clicking on Devices > Optical Drives > Remove Disk From Virtual Drive

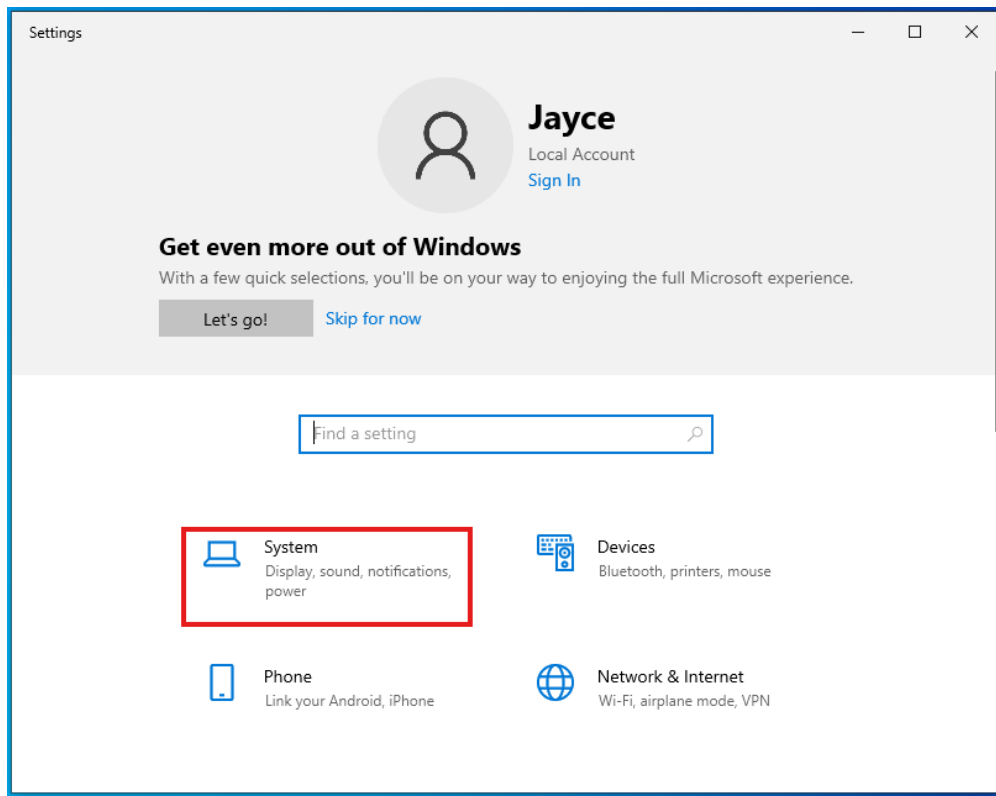


Changing the Host Name

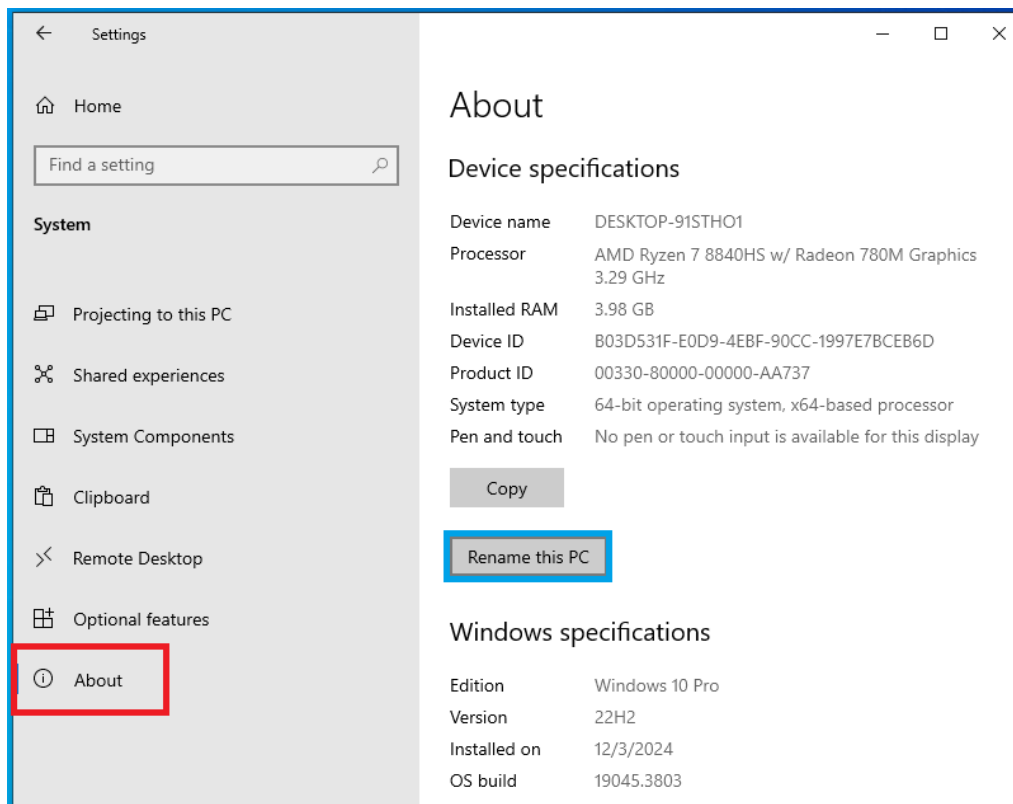
34. Opened Notification center, clicked Expanded, and clicked on All settings



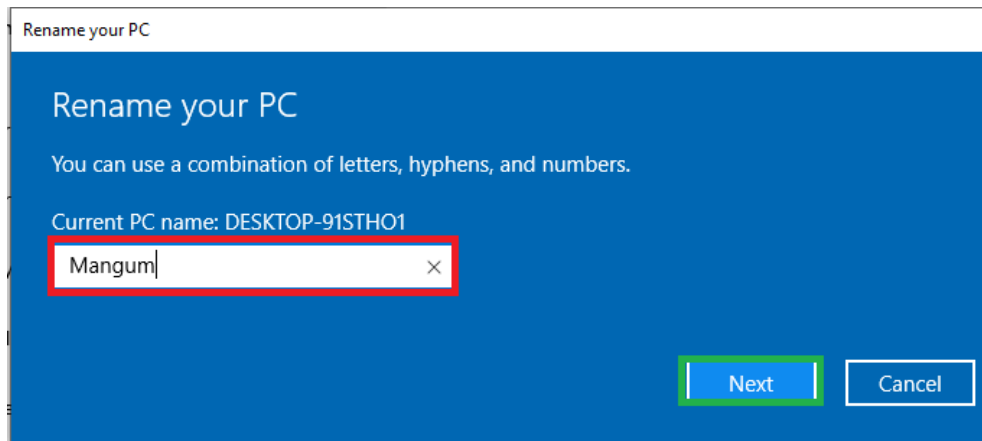
35. Clicked on System



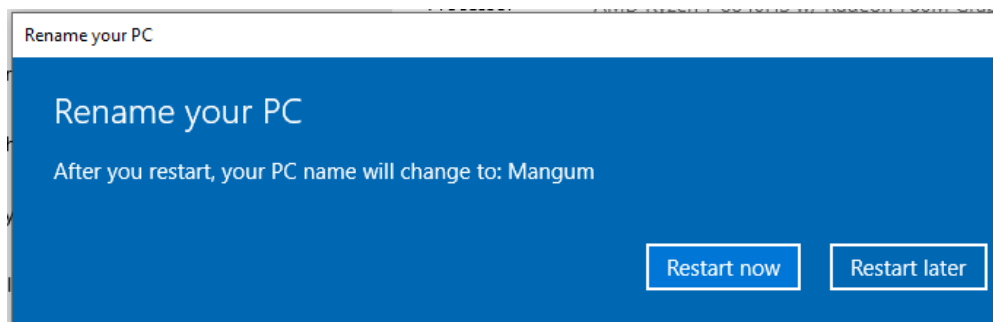
36. Clicked on **About** and **Rename this PC**



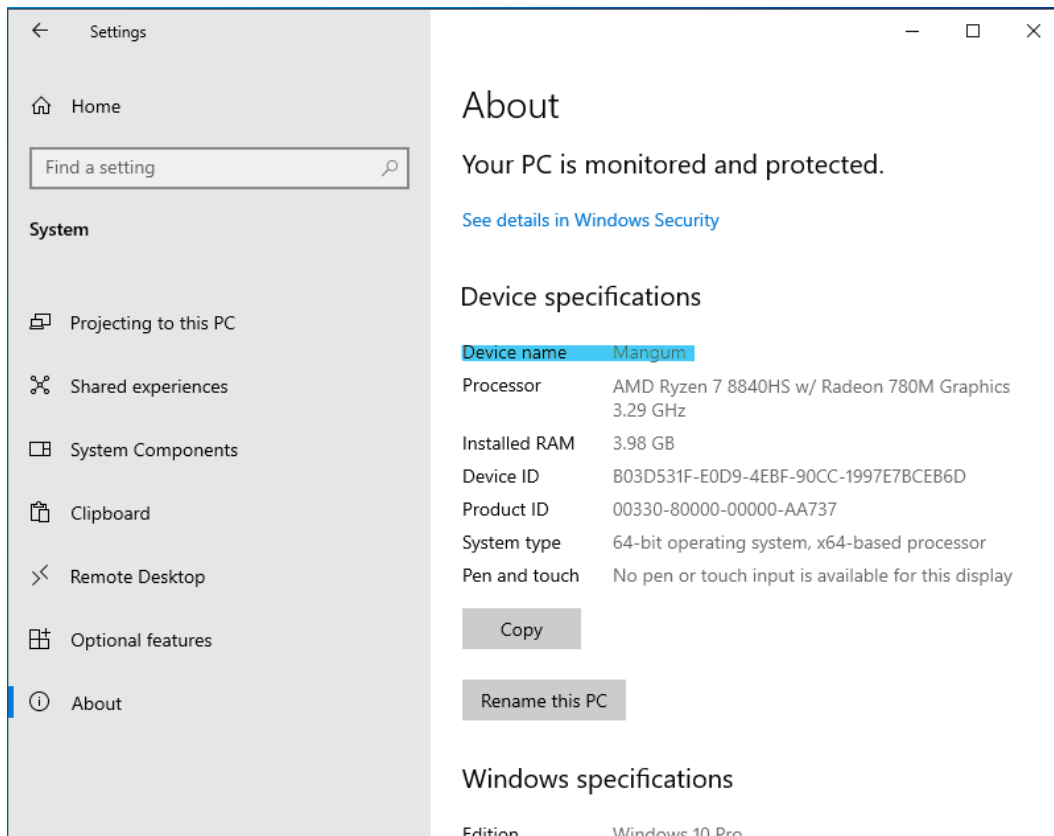
37. Typed **Mangum** in the text box and clicked **Next**



38. Clicked **Restart now**

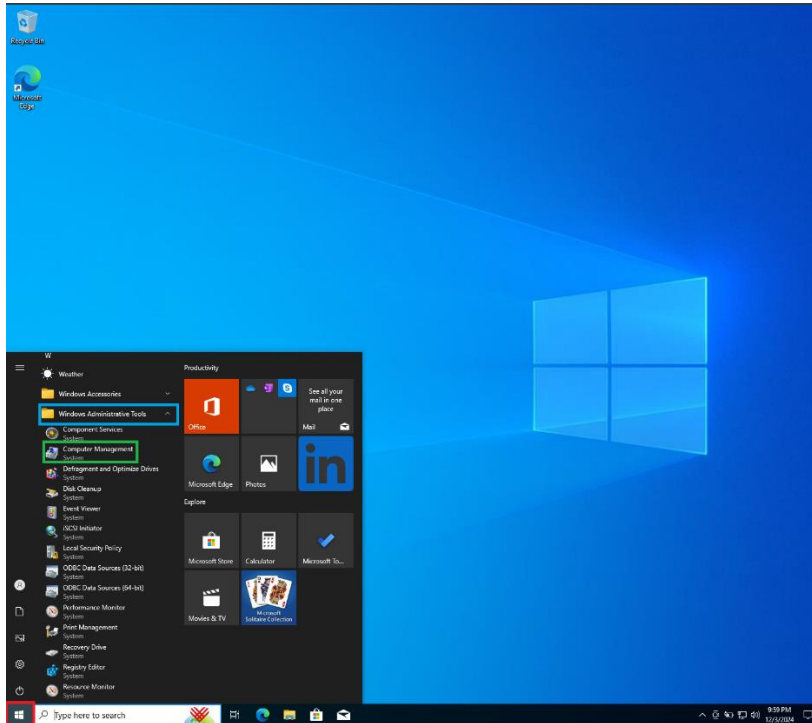


39. Verified the Host name changed by going back into Notification Center > All Settings > About

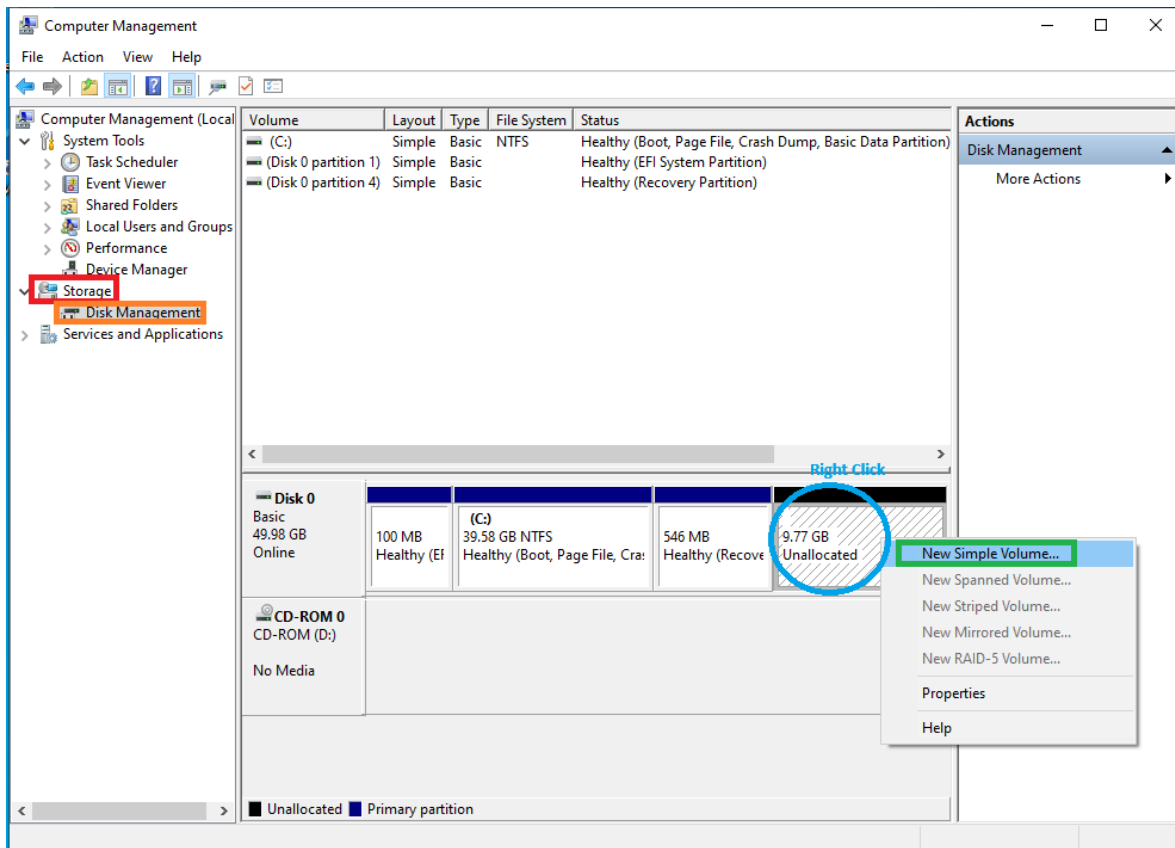


Create a new volume

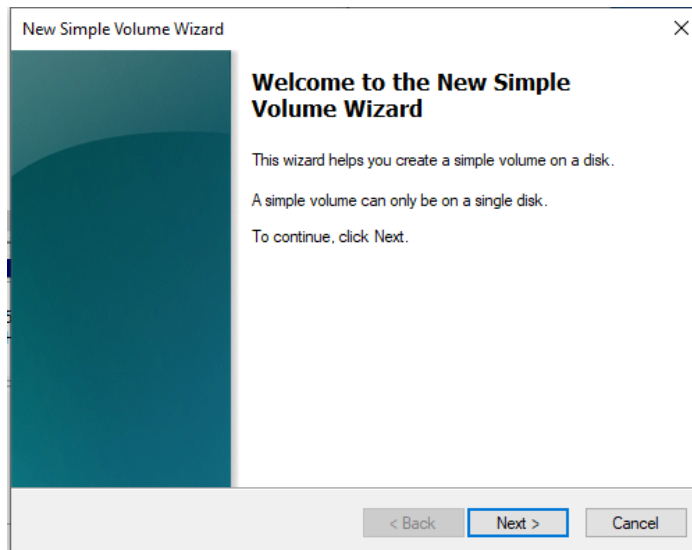
40. Go to the **Start Menu** > **Windows Administrative Tools** > **Computer Management**



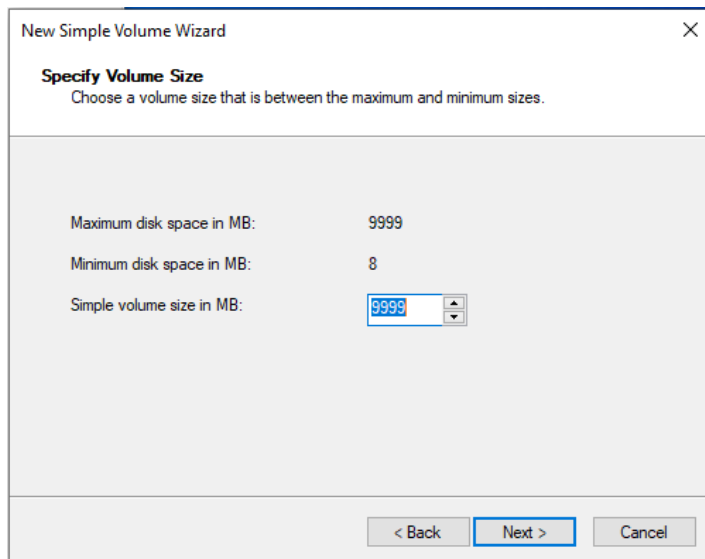
41. Go to **Storage** > **Disk Management** > **Right click Unallocated** > **Click New Simple Volume...**



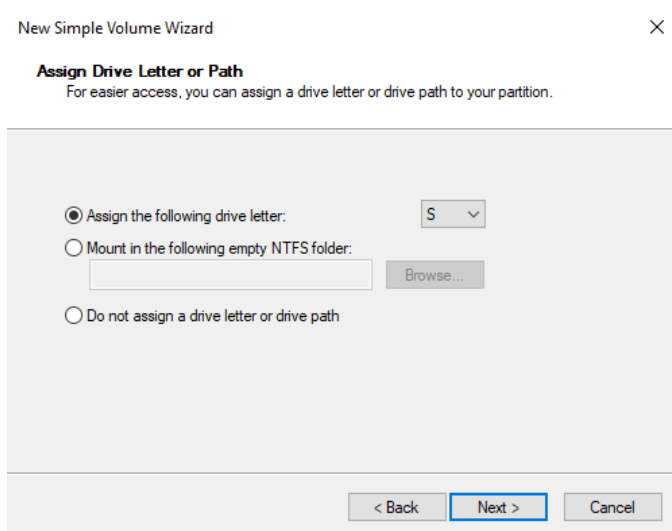
42. Click Next



43. Matched the Maximum disk space of 9999MB and clicked Next



44. Set the Drive Letter to S and clicked Next



45. Selected *Format this volume with the following settings:*

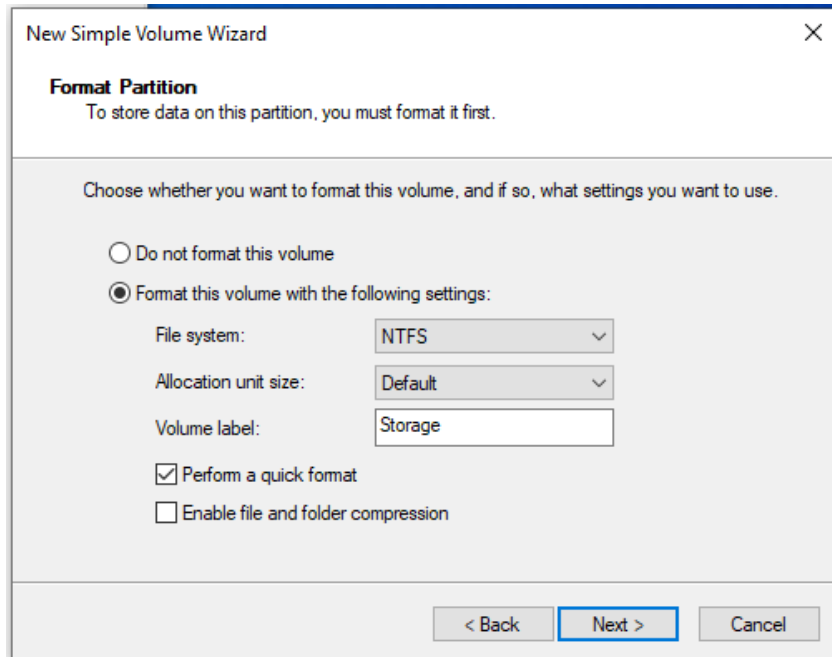
File system: *NTFS*

Allocation: *Default*

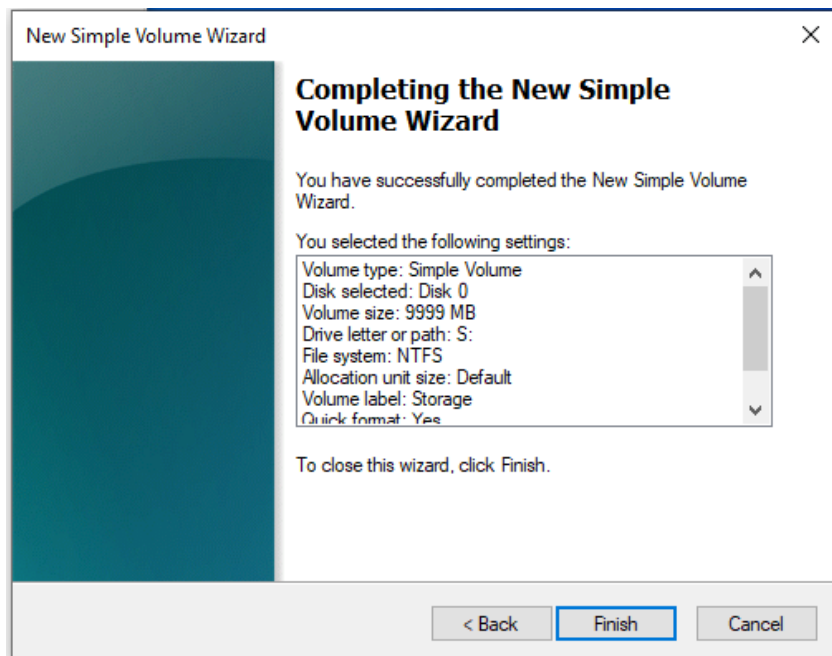
Volume Label: *Storage*

Checked the: *Perform a quick format*

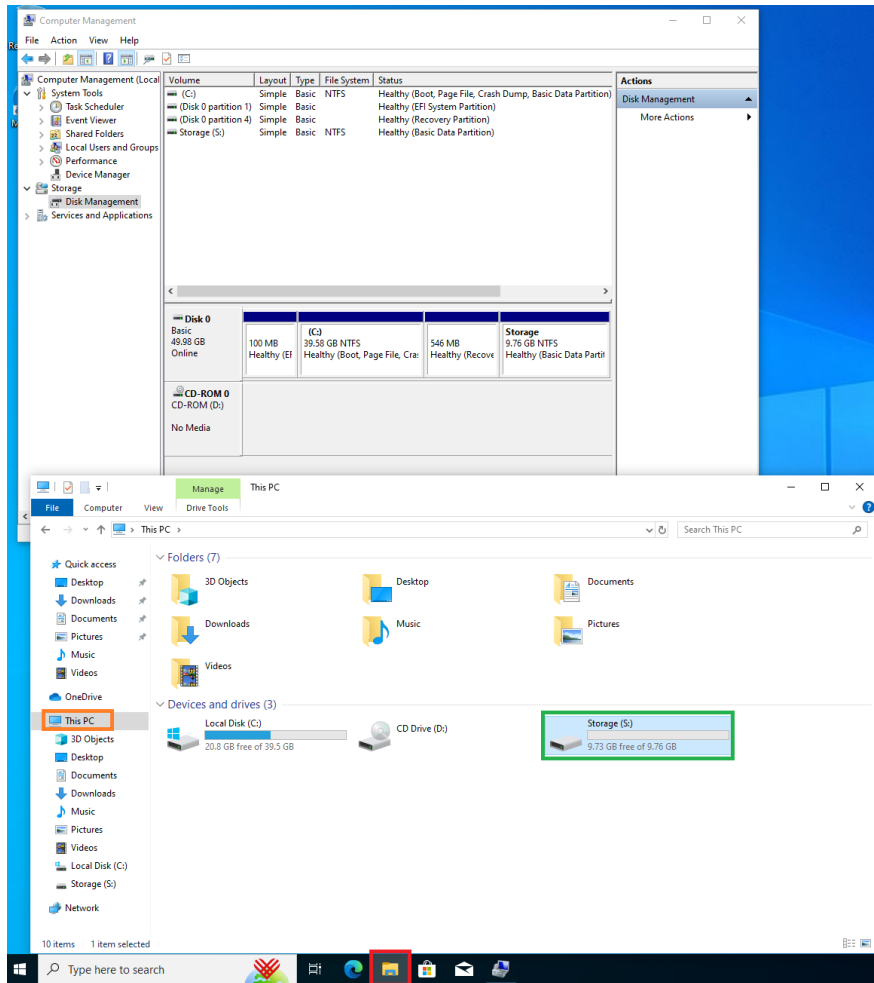
Clicked on Next



46. Clicked on Finish



47. Confirmed the new Storage drive mounted by going to the Taskbar > **File Explorer** > **This PC** > **Storage (S:)**



Setting a Static IP Address

IP Address before:

```
Command Prompt
Microsoft Windows [Version 10.0.19045.3803]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Jayce>ipconfig

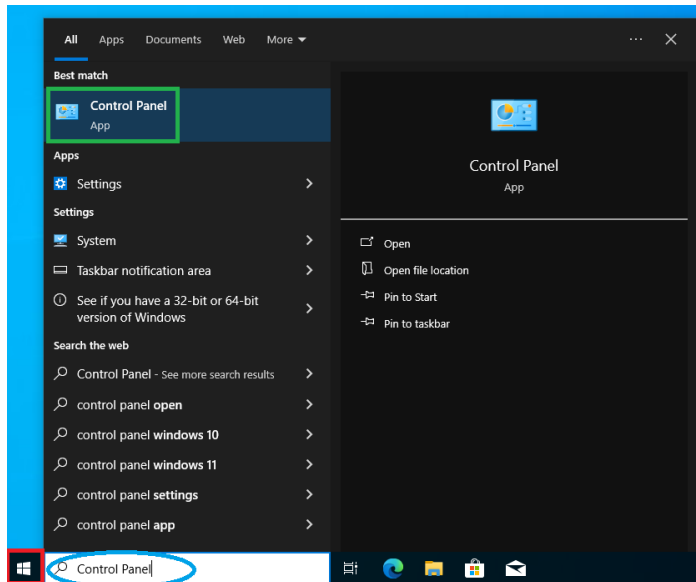
Windows IP Configuration

Ethernet adapter Ethernet:

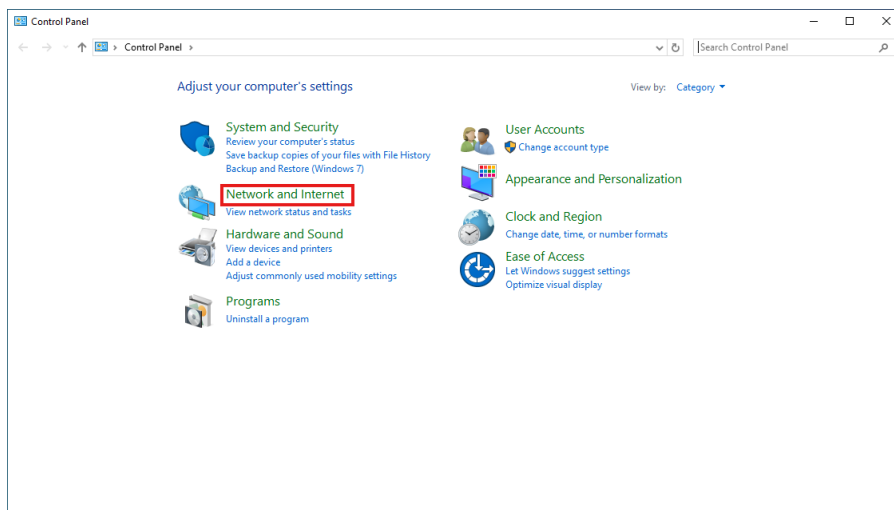
    Connection-specific DNS Suffix  . : jmmn
    IPv6 Address. . . . . : fd00::1dae:7181:70be:afe0
    Temporary IPv6 Address. . . . . : fd00::4c92:d9f2:34ef:2ed3
    Link-local IPv6 Address . . . . . : fe80::c48:368a:8d51:9167%9
    IPv4 Address. . . . . : 10.0.2.15
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : fe80::2%9
                               10.0.2.2

C:\Users\Jayce>
```

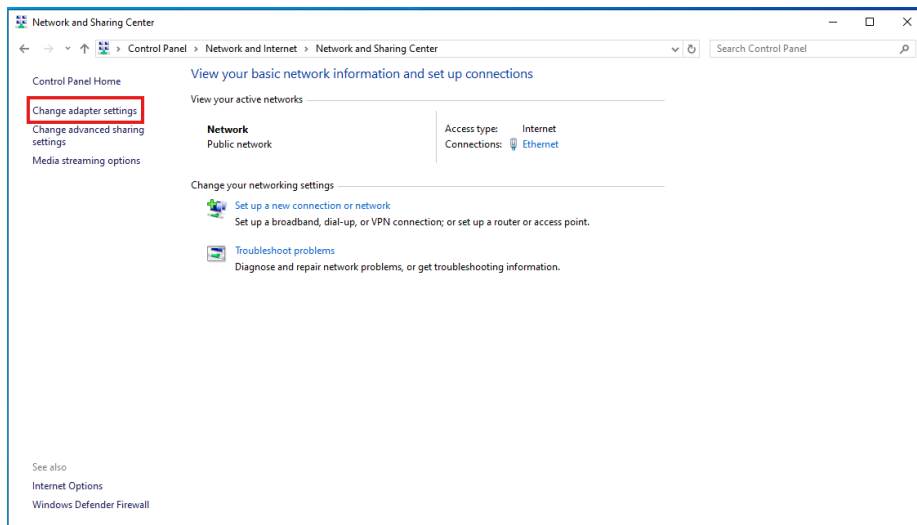
48. Go to the **Start Menu** and **Search for Control Panel**
Clicked on the Control Panel App



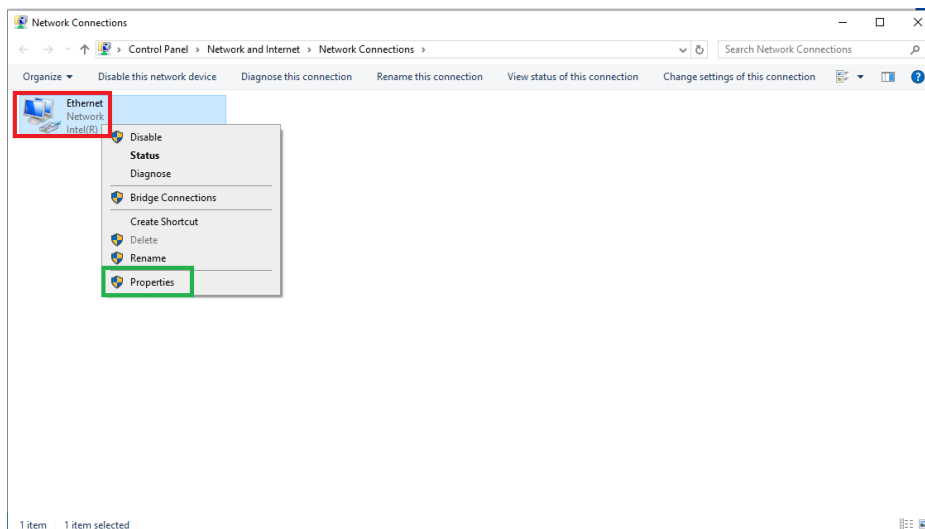
49. Click on **Network and Internet**



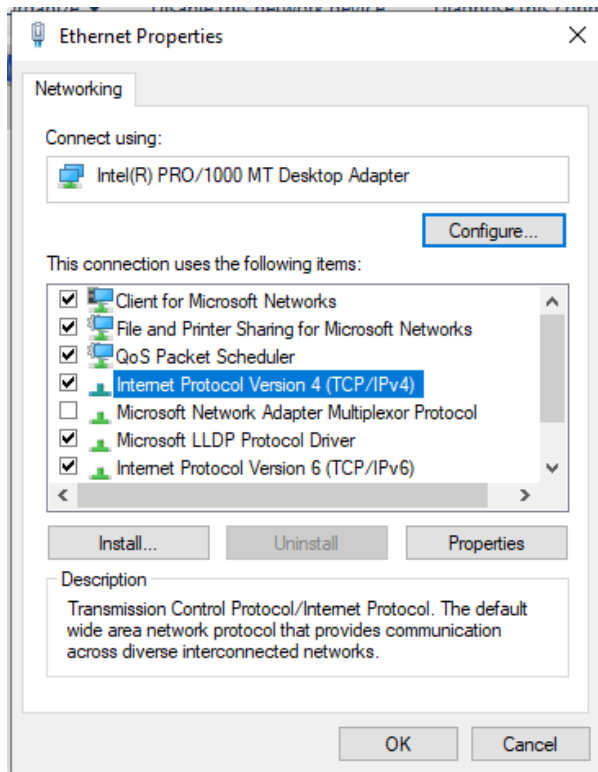
50. Click *Change Adapter Settings* on the left pane



51. Right click on the network Adapter and click *Properties* in the menu



52. Double click *Internet Protocol Version 4 (TCP/IPv4)*



53. Click the *Use the following IP Address* and enter in the following information:

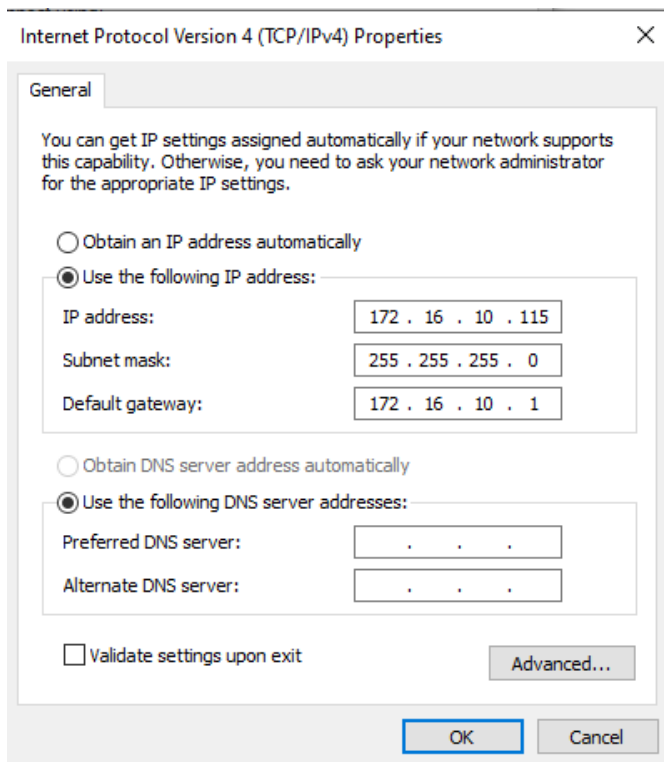
IP Address: 172.16.1.115

Subnet Mask: 255.255.0.0

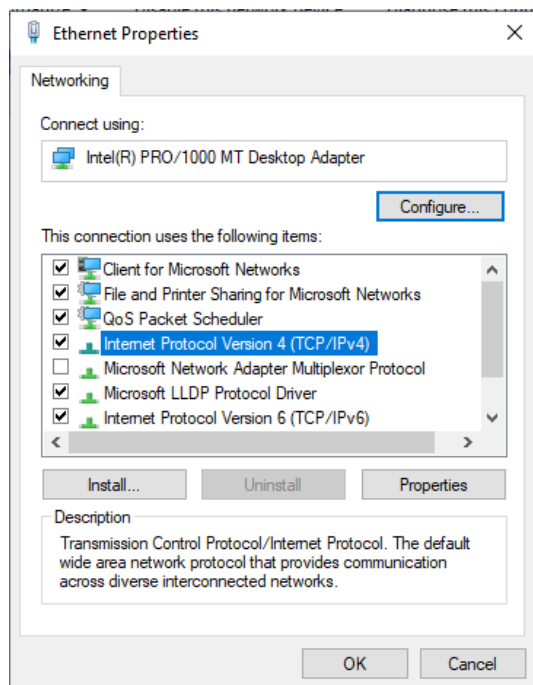
Default Gateway: 172.16.1.1

Preferred DNS: 8.8.8.8

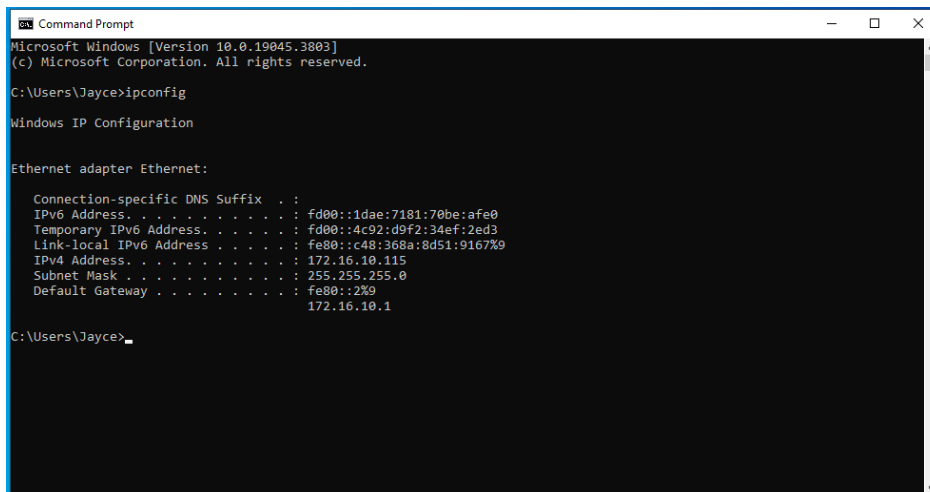
Click OK



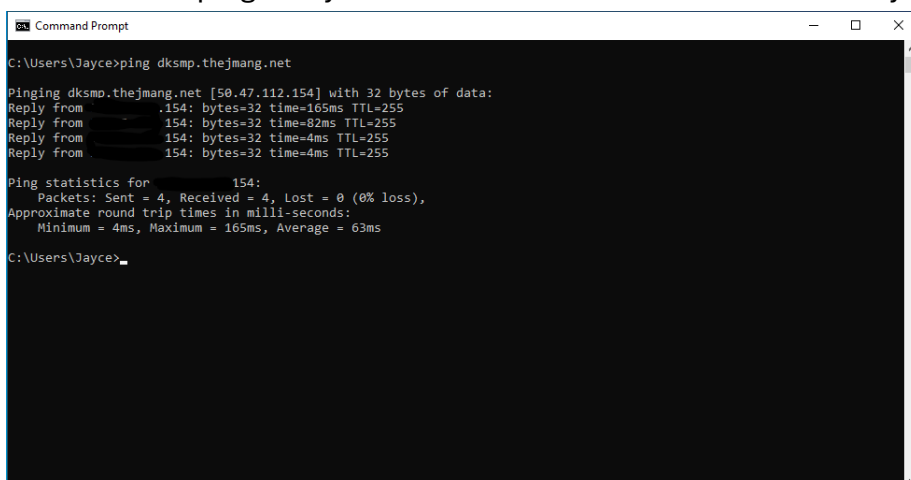
54. Click OK



55. Checked IP using the command *ipconfig* in the Command Prompt

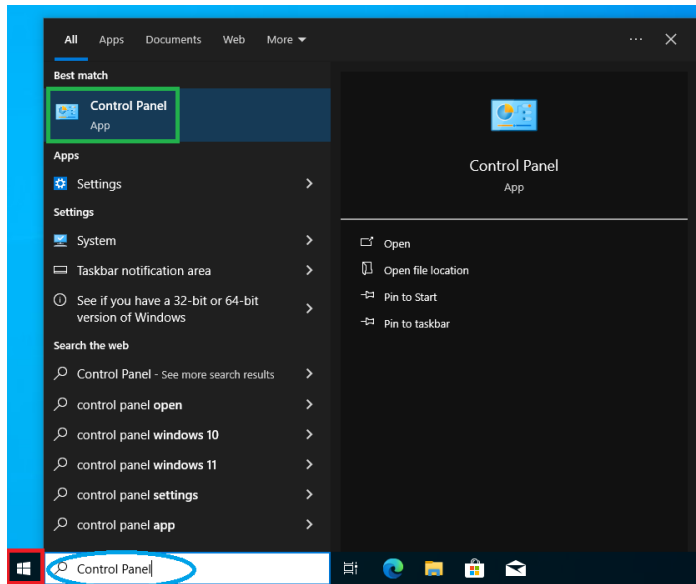


Also checked ping to my Minecraft Server for internet connectivity

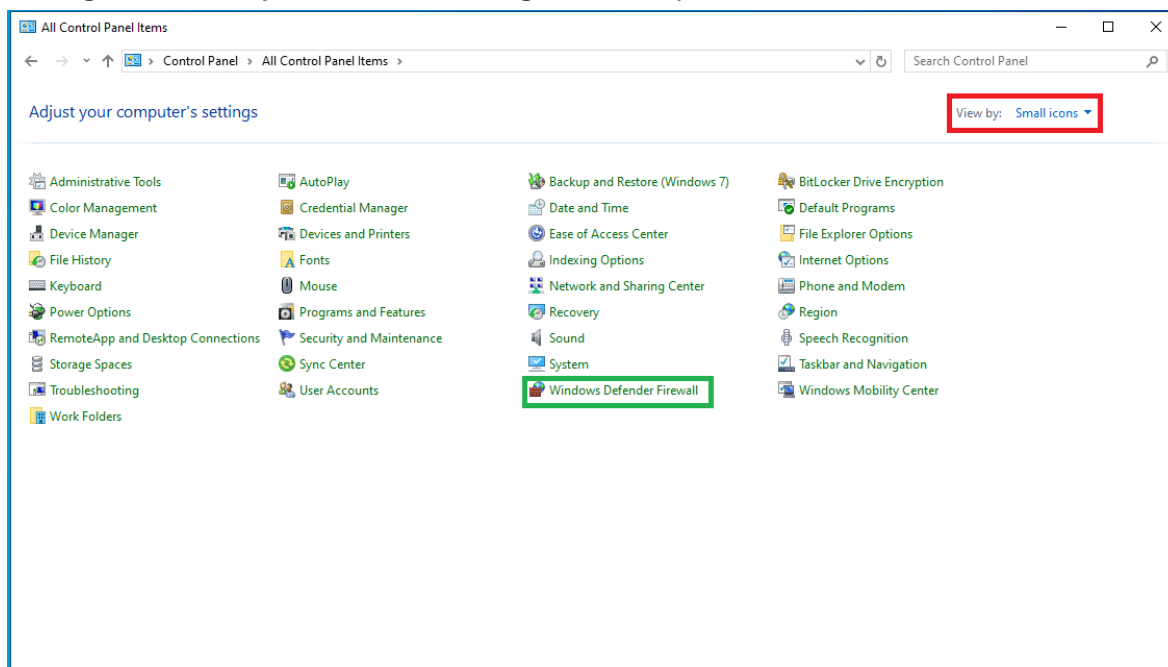


Setting Up the Firewall

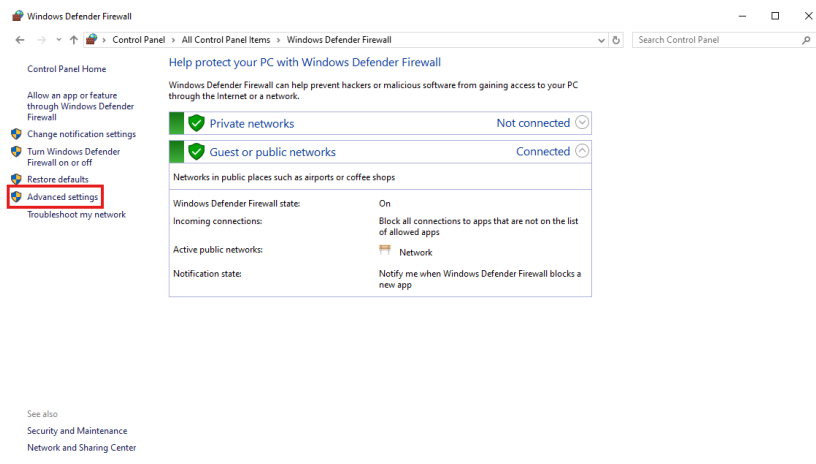
56. Go to the **Start Menu** and **Search for Control Panel**
Clicked on the Control Panel App



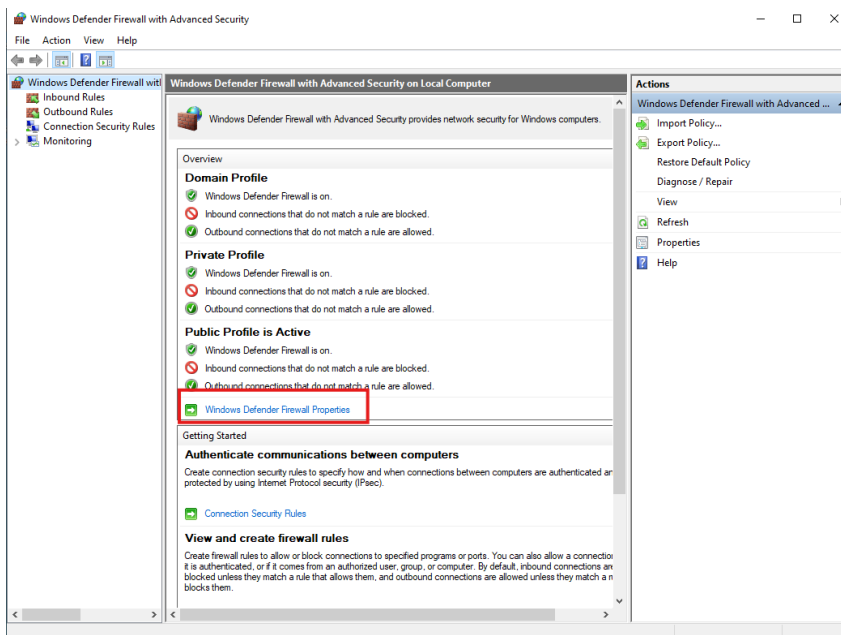
57. Change the View by to **Small icons** to give more options and clicked **Windows Defender Firewall**



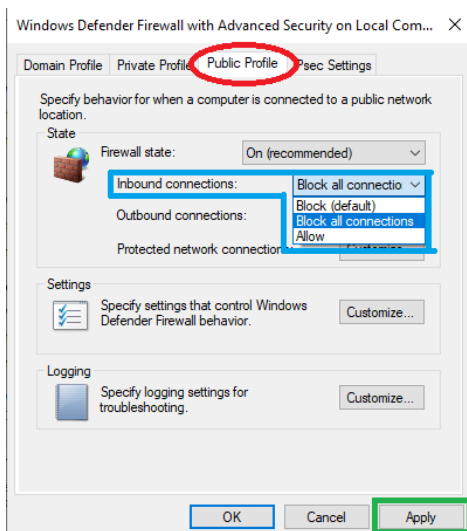
58. Clicked on *Advanced Settings* in the left pane



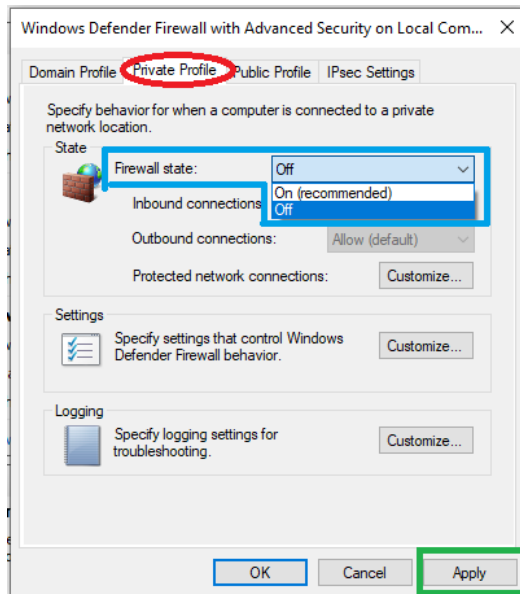
59. In the Overview section I clicked on *Windows Defender Firewall Properties*



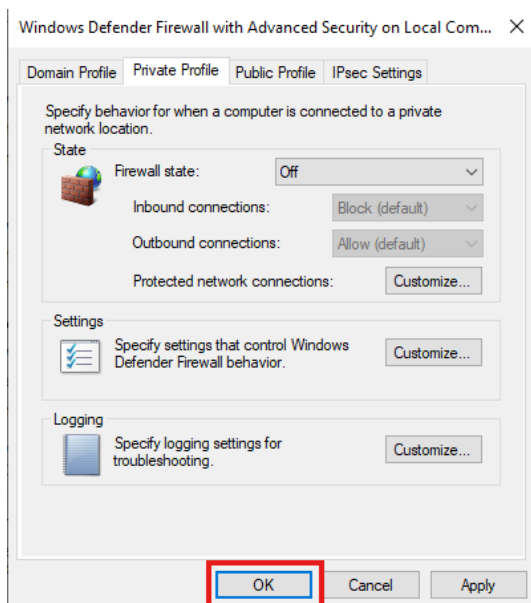
60. Clicked on the *Public Profile* tab, changed *Inbound connections* to *Block all connections* from the drop down menu and clicked *Apply*



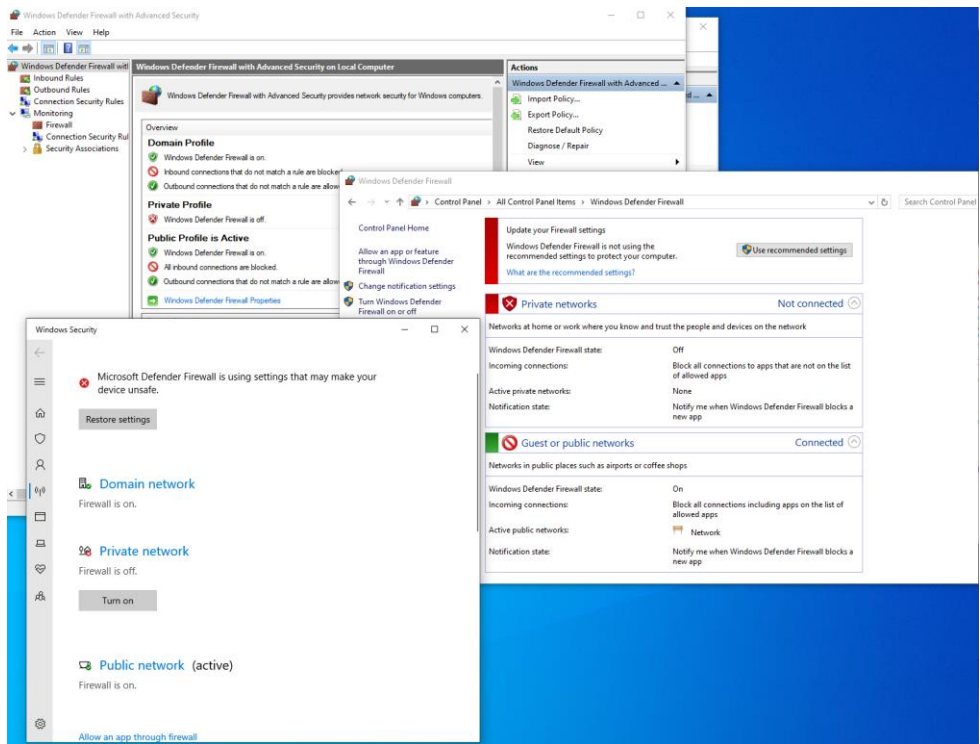
61. Clicked on the *Private Profile* tab, changed the Firewall state to *Off* from the drop down menu and clicked *Apply*



62. Clicked *OK*

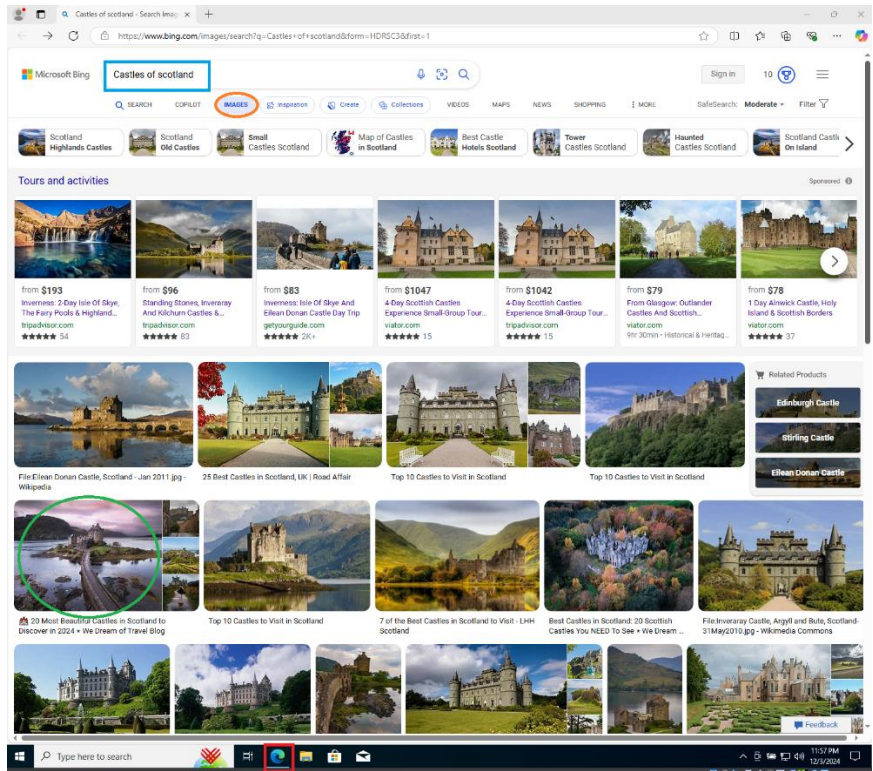


63. Verified that inbound on Public was turned off and private was disabled from the Windows Firewall

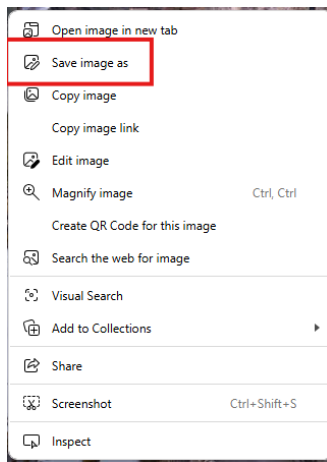


Personalizing the Desktop Background

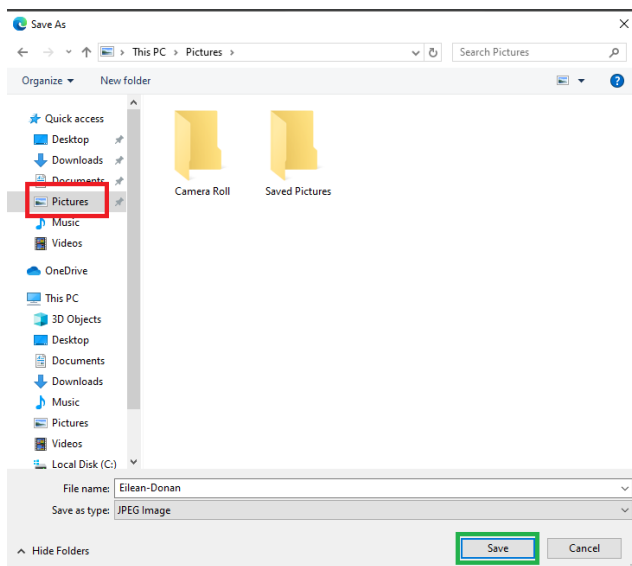
64. Launched **Edge** from the **Taskbar** and **searched** for an **Image** on **Bing** of **Castles of Scotland** and **clicked on the one I liked**



65. Right clicked the Image and clicked *Save Image As*

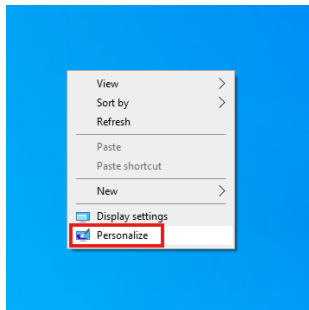


66. Selected my *Pictures* folder on the Quick Access section on the left, then clicked *Save*

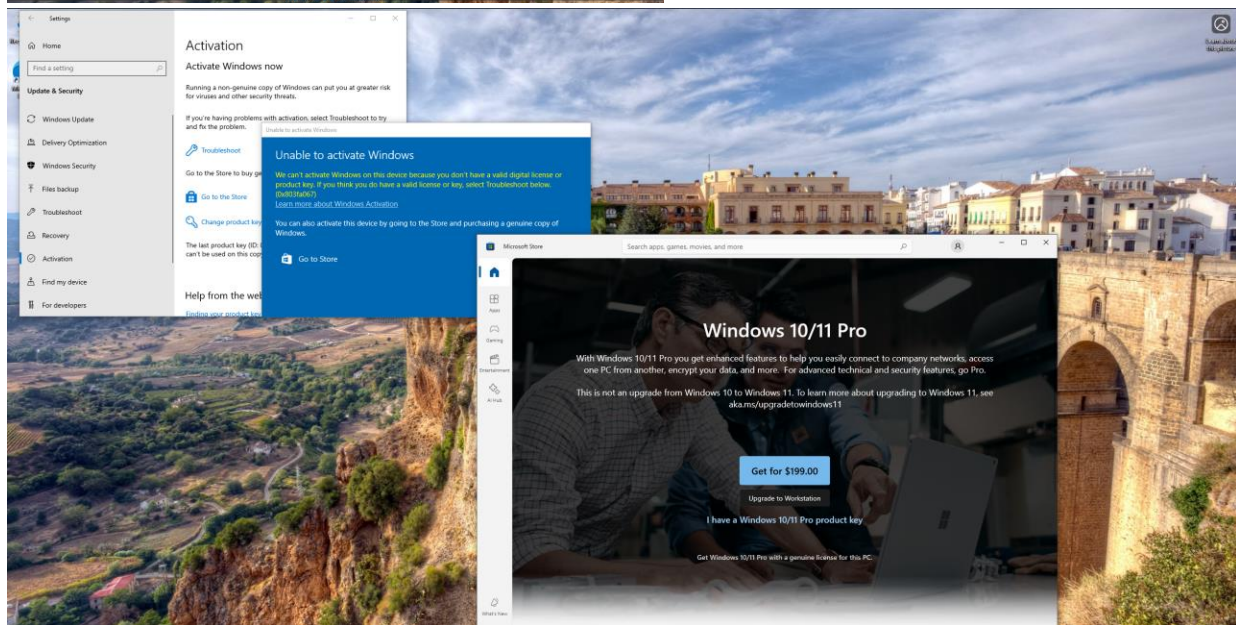
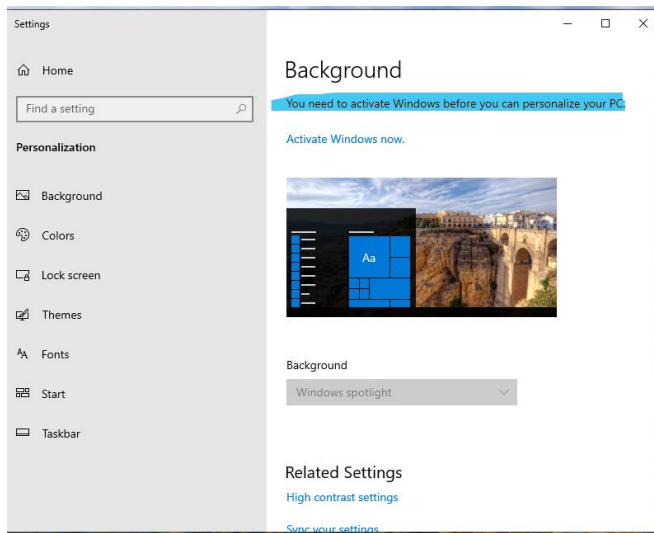


67. Closed Edge

68. Right clicked the Windows Desktop and clicked *Personalize*

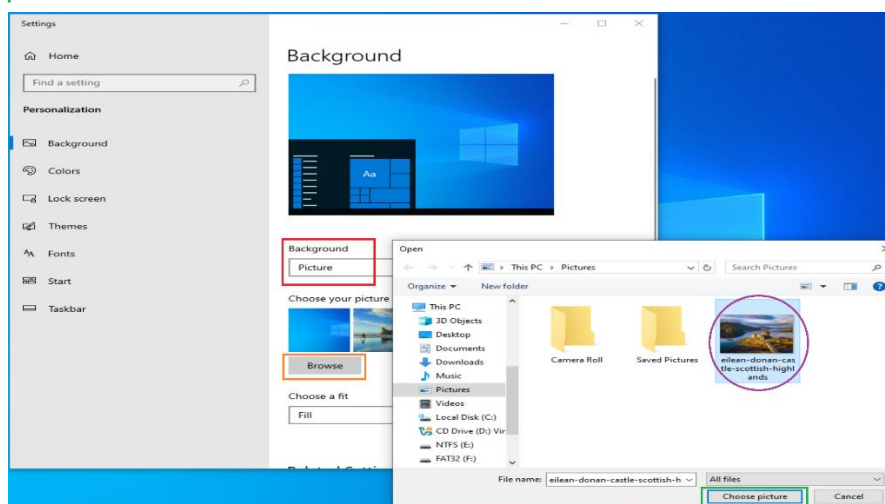


69. And Houston we have a problem. Windows will not activate and is saying my product key is invalid. So, I am unable to change the Desktop Wallpaper. I've tried multiple ones that I have. Tried updating Windows, but still won't budge and activate. I am not going to spend \$199 for another license for this project. Although when I updated to latest Cumulative update with Copilot it automatically changed my background to something other than the Windows logo.



Switched to another VM where Windows is activated to finish this part of the Project:

- Followed steps 64-68 of this section
- For **Background** select **Picture** from the drop down menu and click **Browse** under Choose your picture. The Pictures folder automatically opens, **select the image** and click **Choose picture**



- c. Walha! The background actually changed, with an activated copy of Windows...



- d. Switching back to the VM for this project:

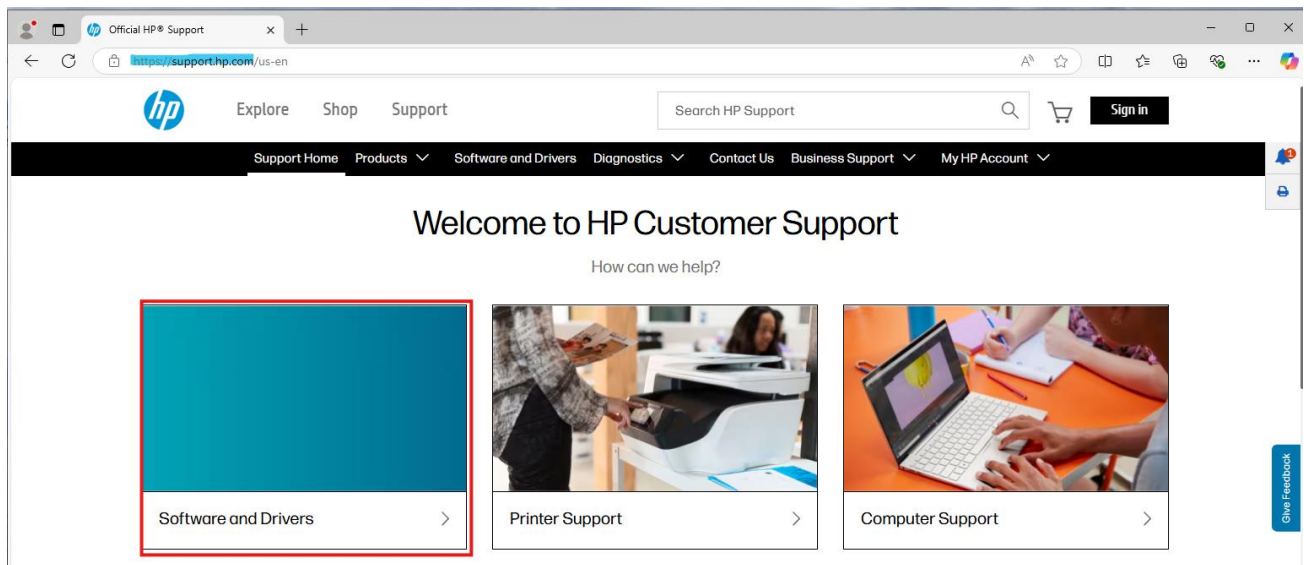


Installing a Printer: HP Officejet 4630 e-All-in-One Printer

70. Open Edge



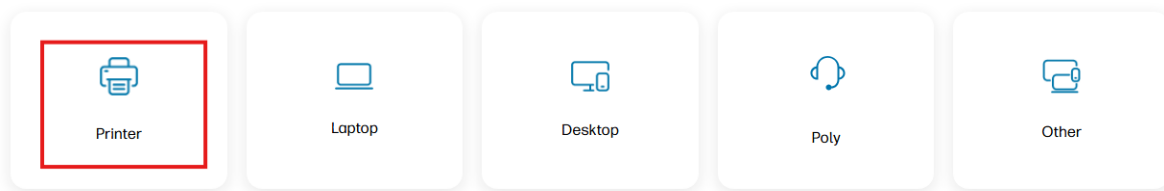
71. Navigate to <https://support.hp.com> and click on **Software and Drivers**



72. Click **Printer**

Welcome to HP Software and Drivers

Select your product type below



73. Enter in the printer model in the search box: **HP Officejet 4630**, then press Enter on the keyboard

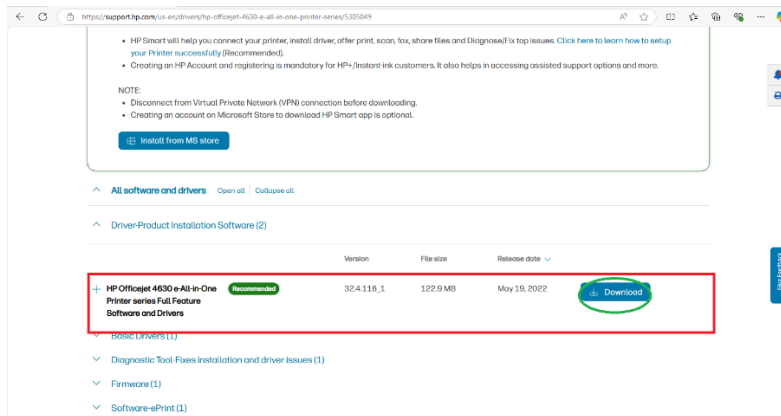
Welcome to HP Software and Drivers

Let's identify your printer

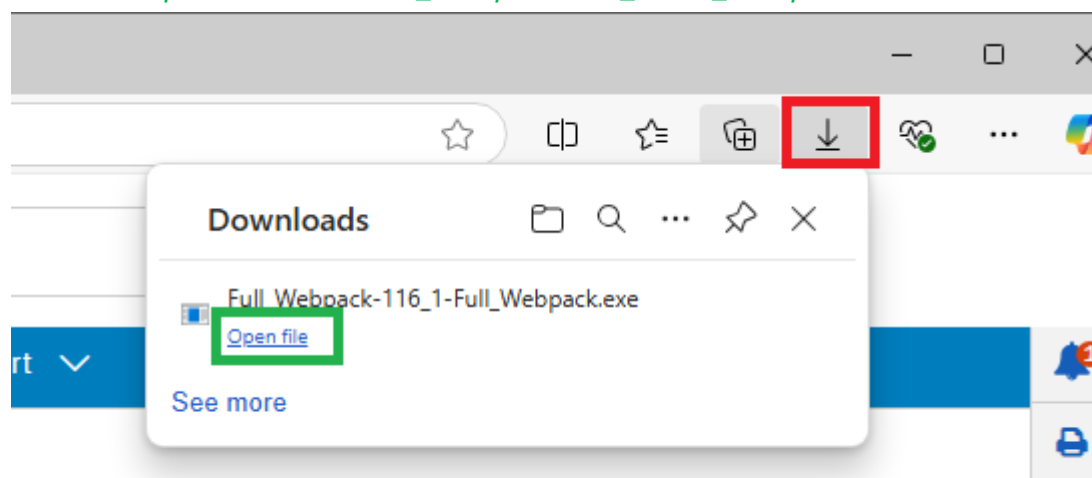
Enter your serial number, product number or product name



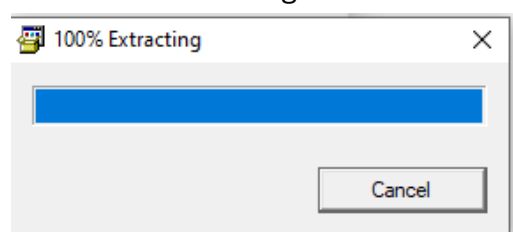
74. Scroll down until you find **HP Officejet 4630 e-All-in-One Printer series full Feature Software and Drivers** and click the **Download** button to the far right of name:



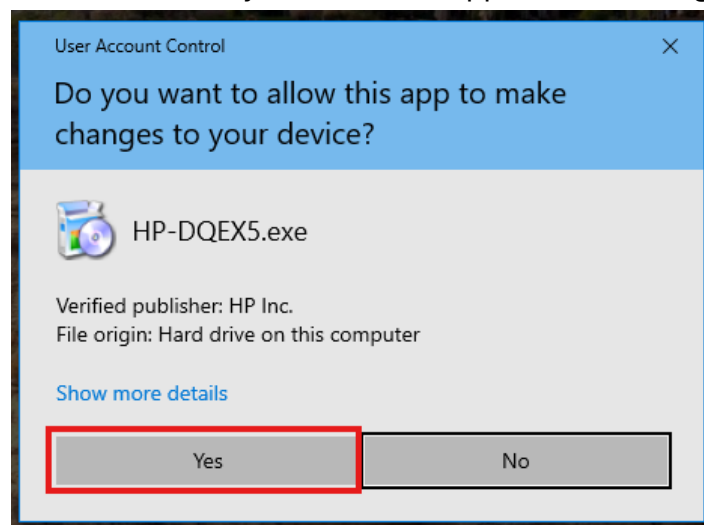
75. In the upper right of the Edge window next to the Address Bar click on the *Download Manager icon* and click *Open File* under *Full_Webpack-116_1-Full_Webpack.exe*



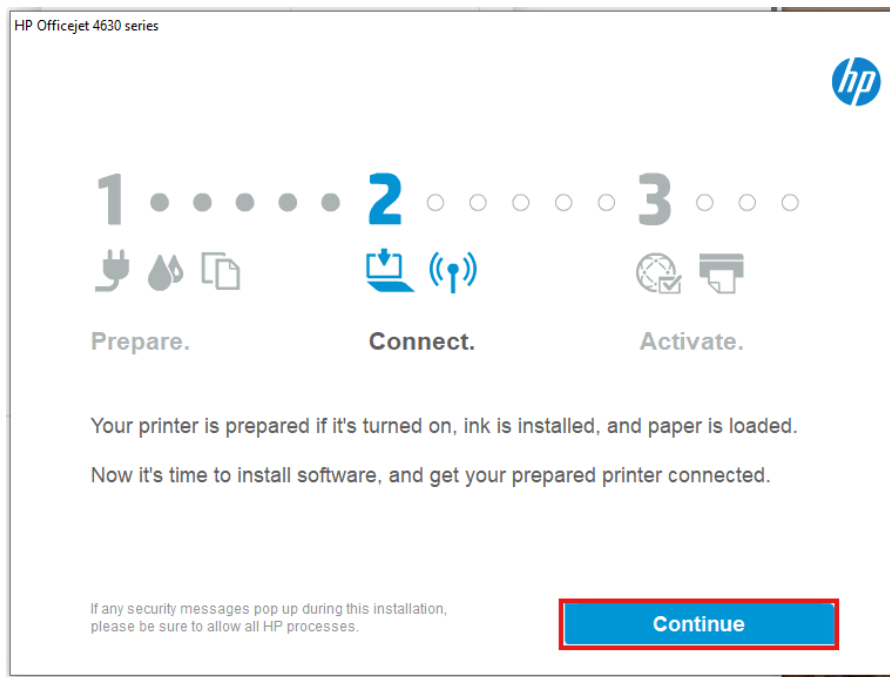
76. It will start Extracting the files



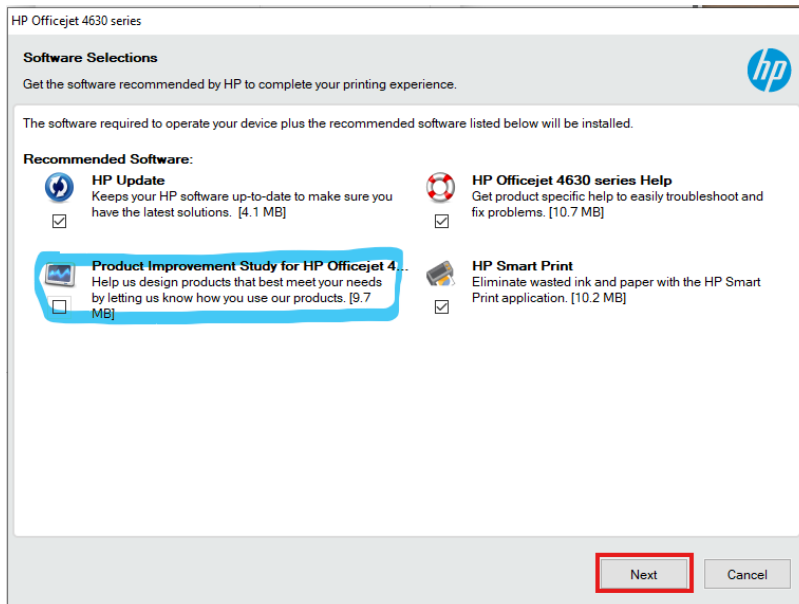
77. The UAC will ask you if want the app to make changes click Yes



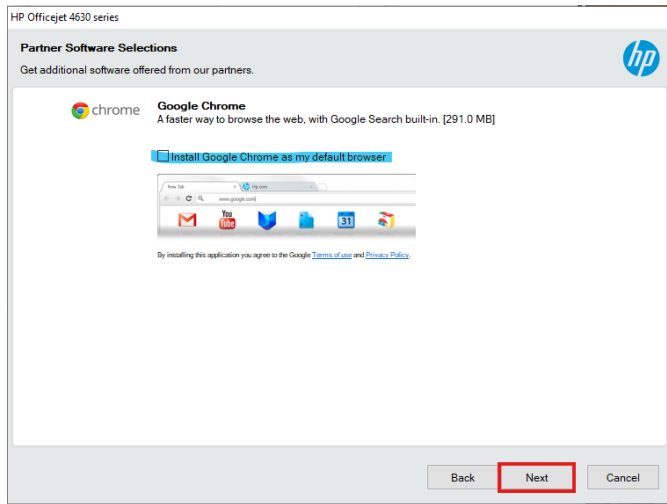
78. Click *Continue* in the Install wizard



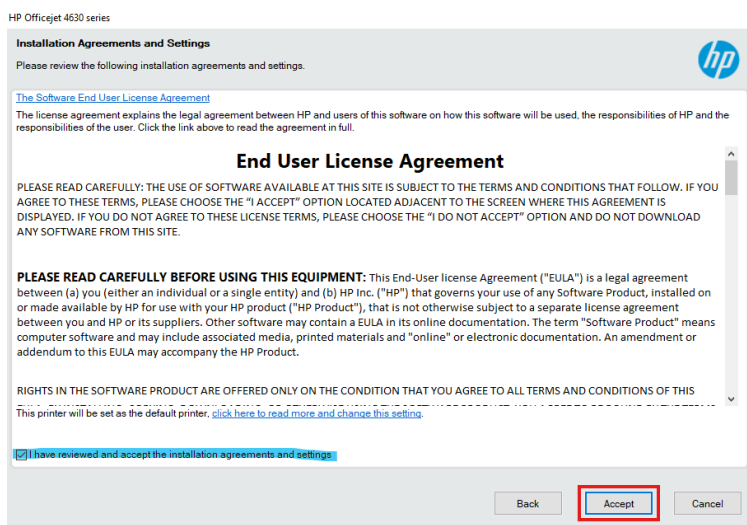
79. Customize the install if you want, I unchecked *Product Improvement Study* and clicked *Next*



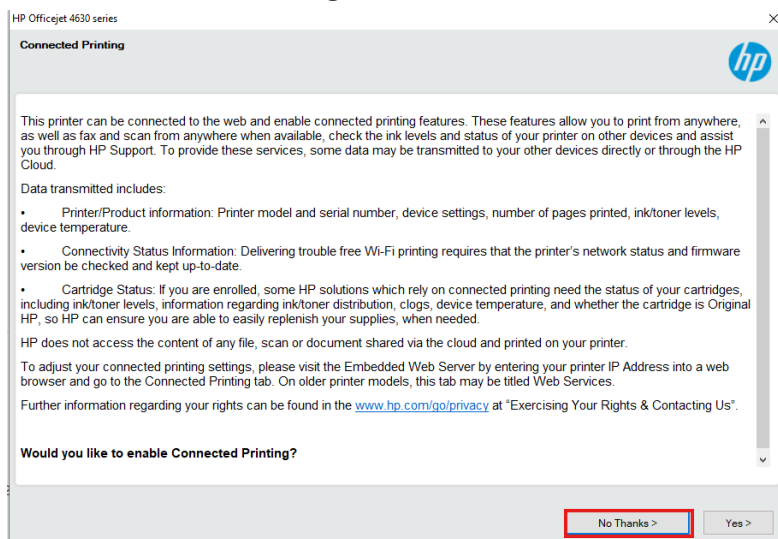
80. I did not install Google Chrome by unchecking the box and clicked *Next*



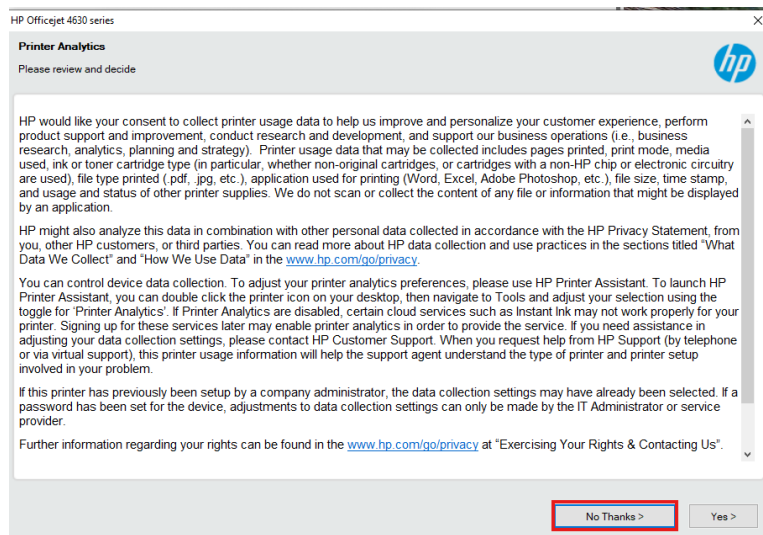
81. Check the box saying “I have received and accept the installation agreements and settings” and click *Accept*



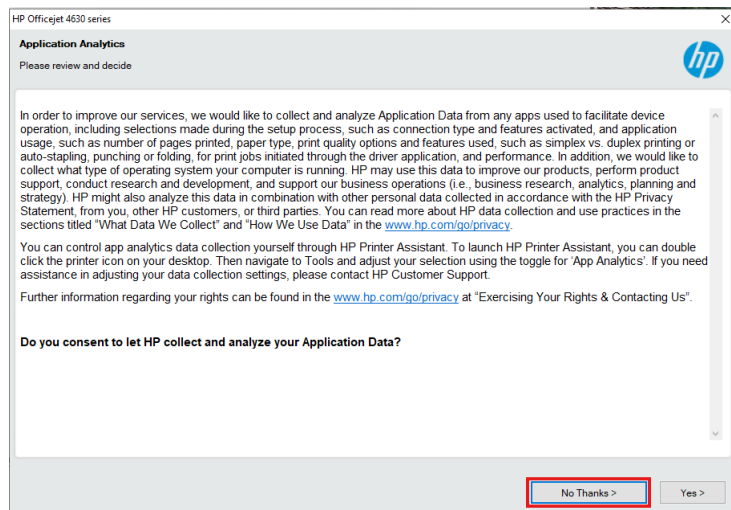
82. For the Connect Printing I chose *No Thanks*



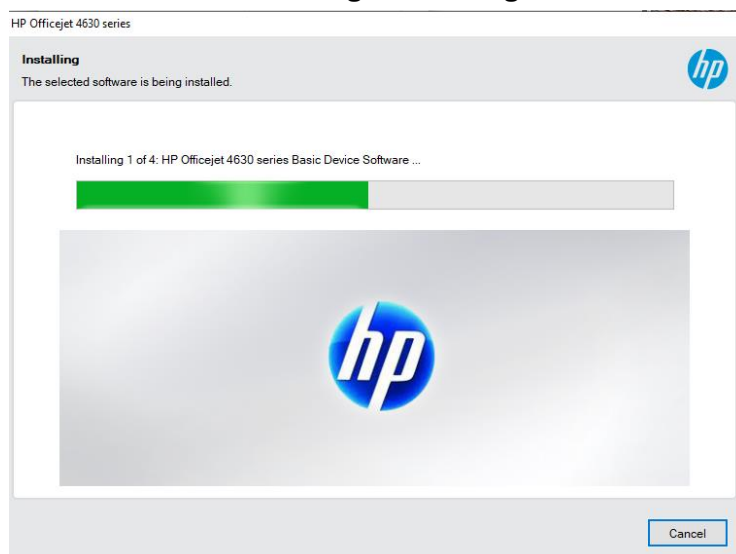
83. For Printer Analytics I chose *No Thanks*



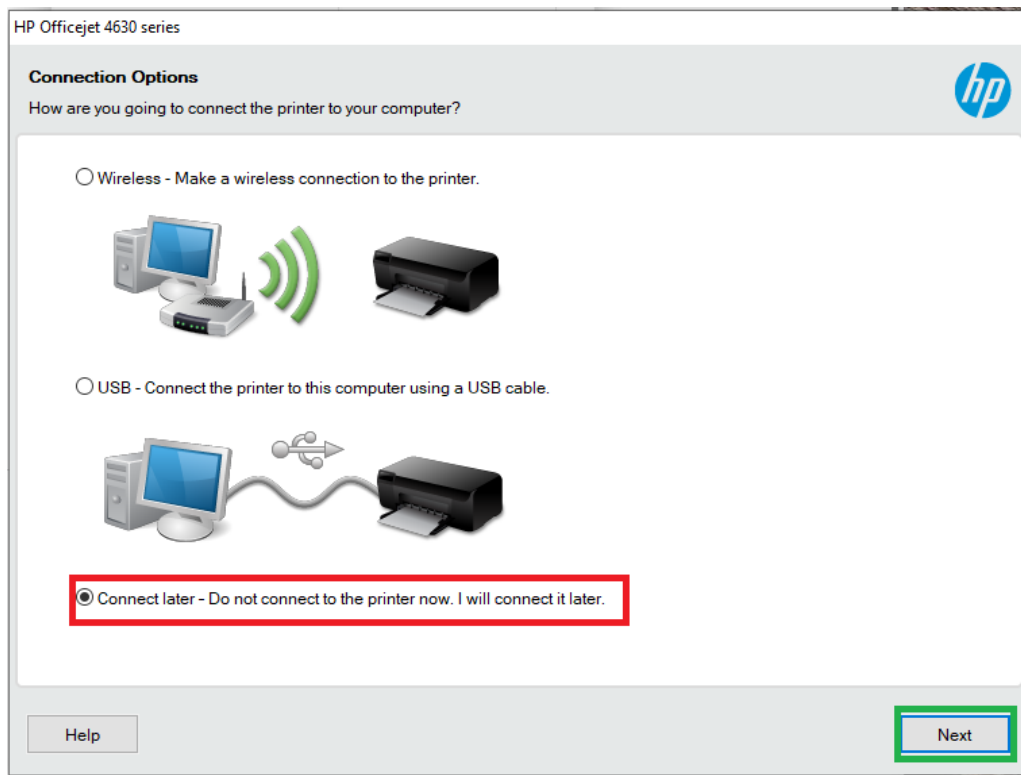
84. Chose *No Thanks* for Application Analytics



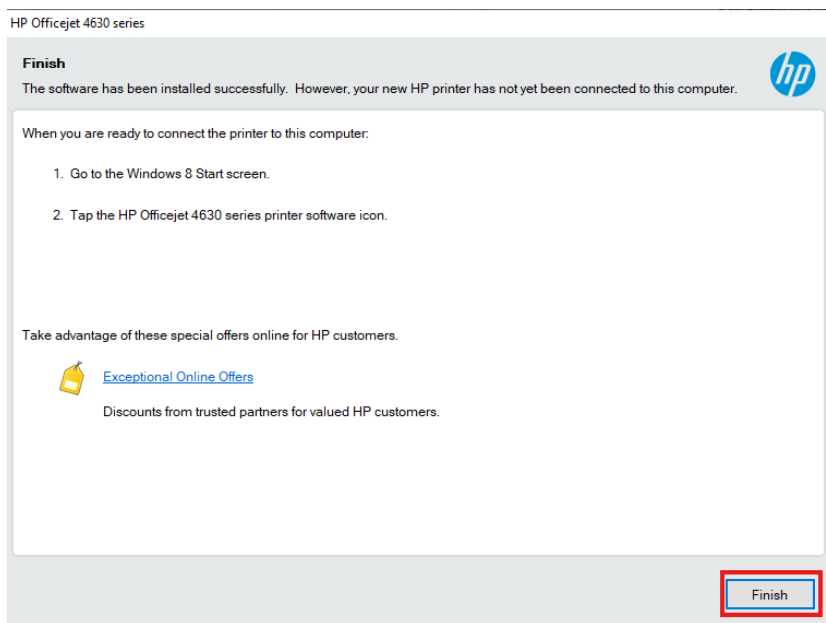
85. The Install Wizard will begin installing the Drivers for the printer



86. Selected *Connect later* and clicked on *Next*

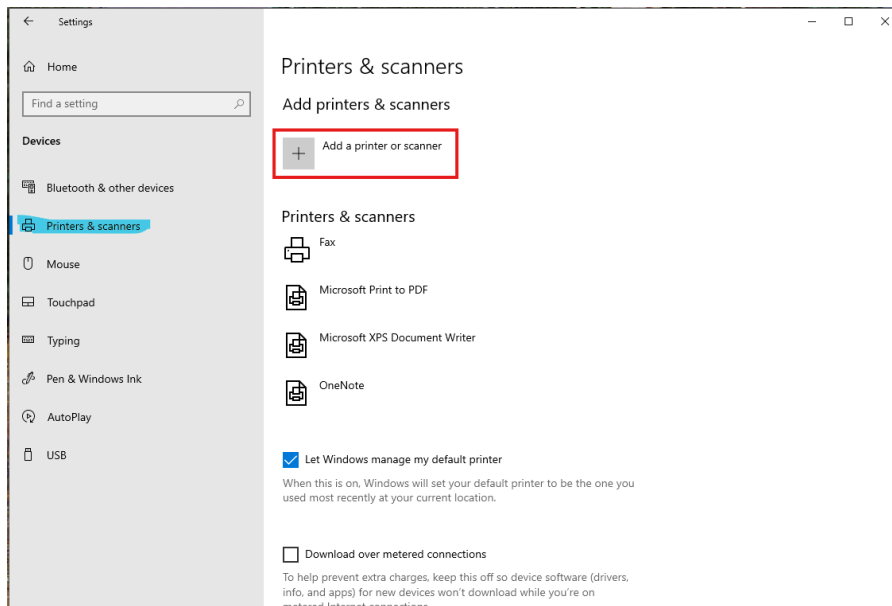


87. Clicked *Finish*



88. Closed Edge

89. To add the printer now that the drivers are installed go to [Settings > Devices > Printers & Scanners](#) and click on *Add a printer or scanner*



90. Click *The Printer that I want isn't listed*

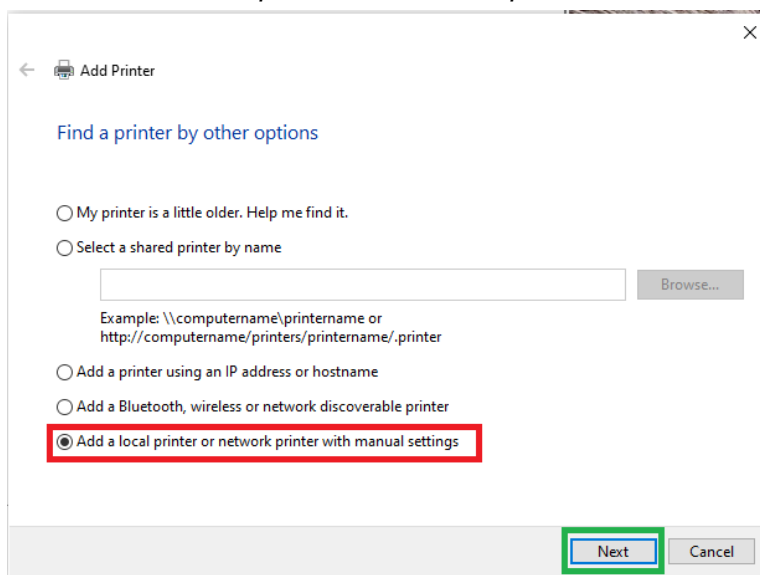
Printers & scanners

Add printers & scanners

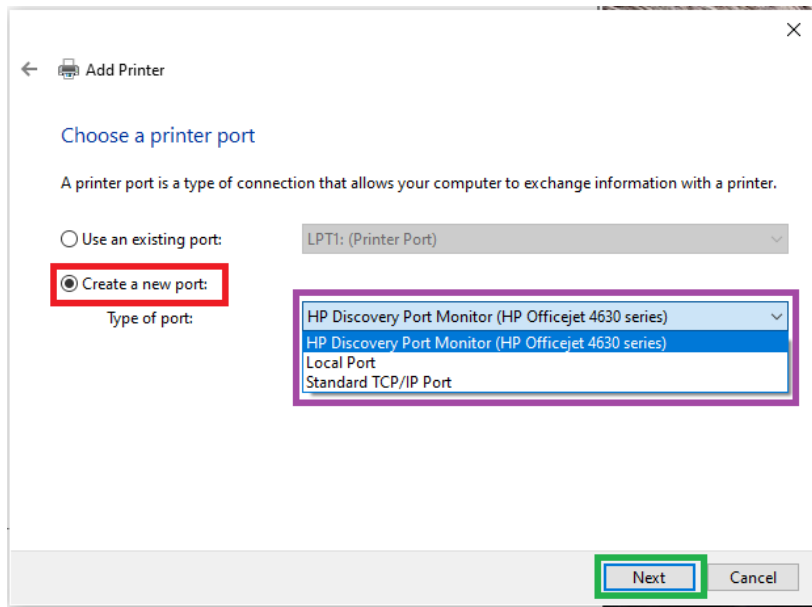


The printer that I want isn't listed

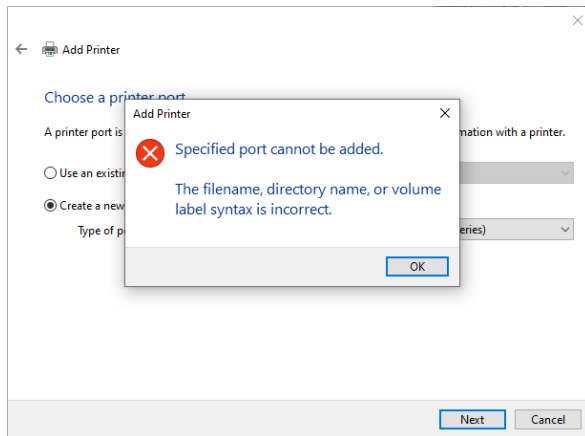
91. Select *Add a local printer or network printer with manual settings*



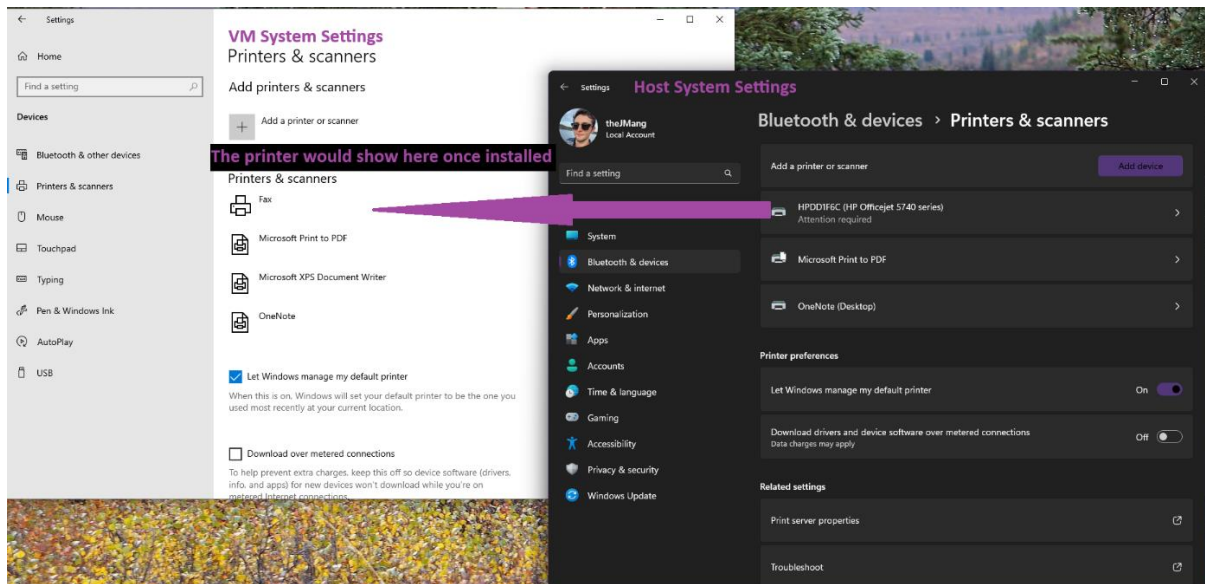
92. Select *Create a new port* and choose *HP Discovery Port Monitor (HP Officejet 4630 series)* then click *Next*



93. Houston another problem... I can't add the printer to the system without the physical printer.



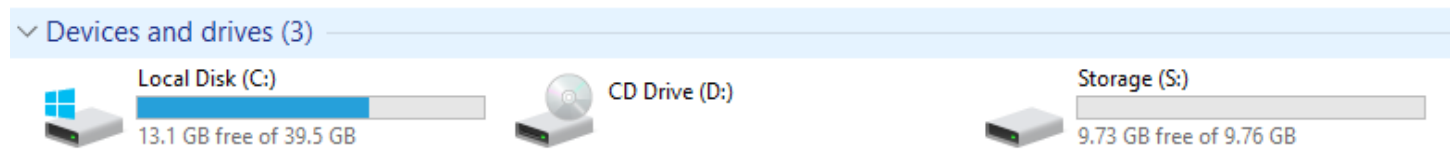
On my host system once the printer is added using the Add Printer wizard it will display in the Printers and Scanners in Settings



(P.S. printer is low on ink that's what the Attention Required message is for)

Creating a text file on the S: Drive

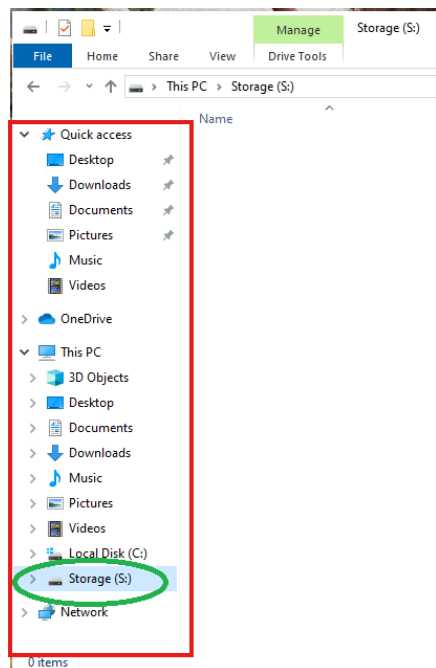
Attention: The VM made my virtual Disc Drive as the D: drive so I created my Storage drive as the S: drive. The instructions say to save it to the D: drive, but that will not be possible.



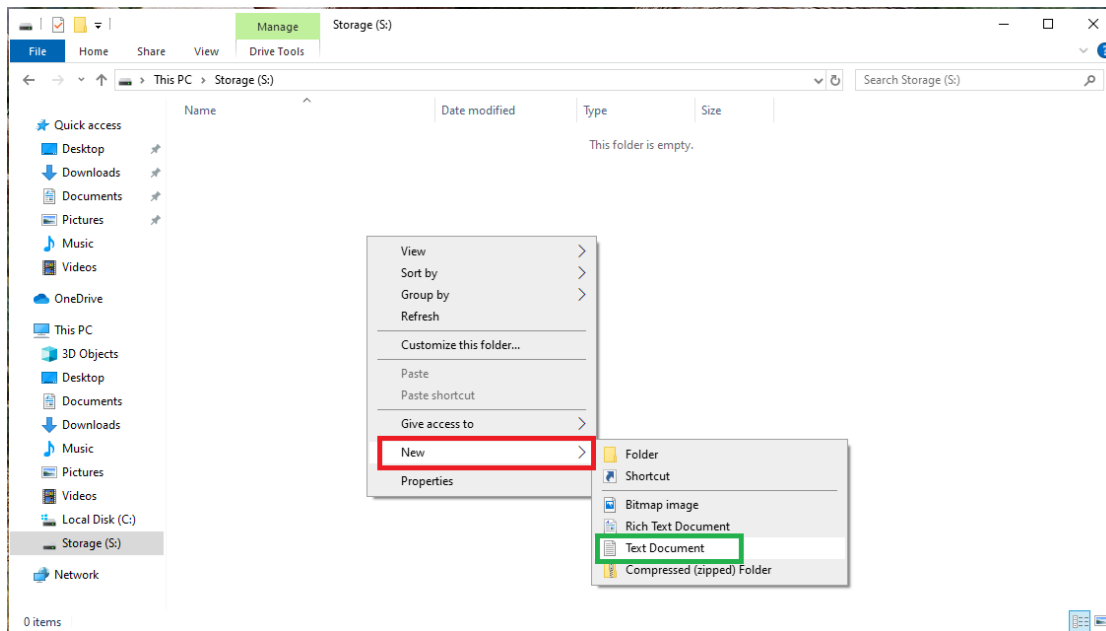
94. Open a *File Explorer* Window from the Taskbar



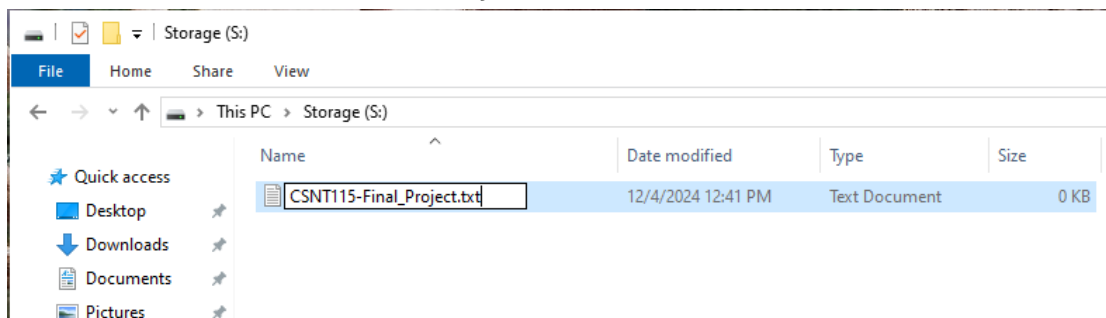
95. In the **Quick Access** pane on the left select *Storage (S:)*



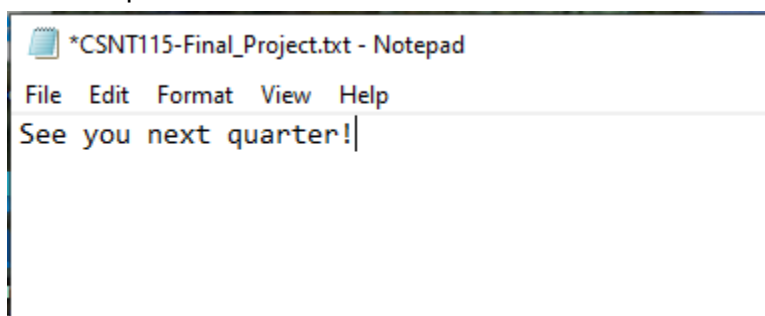
96. Right click anywhere in the empty space, **hover over New** and click **Text Document**



97. Named the file **CSNT115-Final_Project.txt**

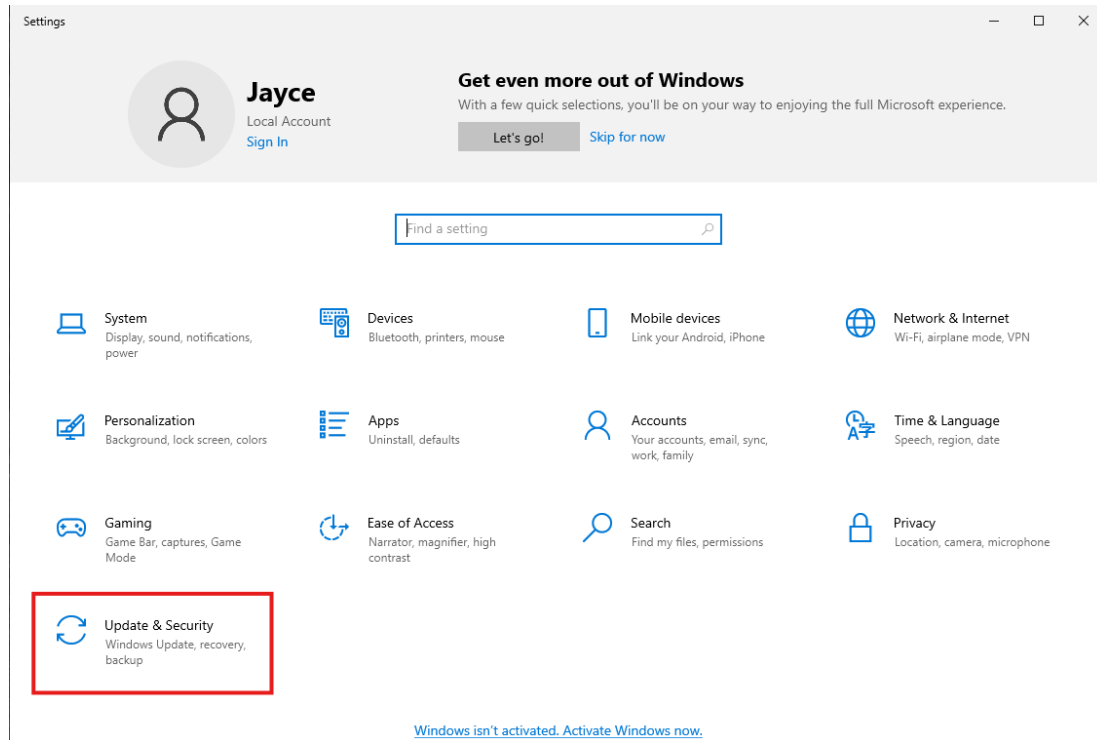


98. Opened it and put in some text and pressed CTRL+S on the keyboard to save it. Then closed out of the Notepad text document.

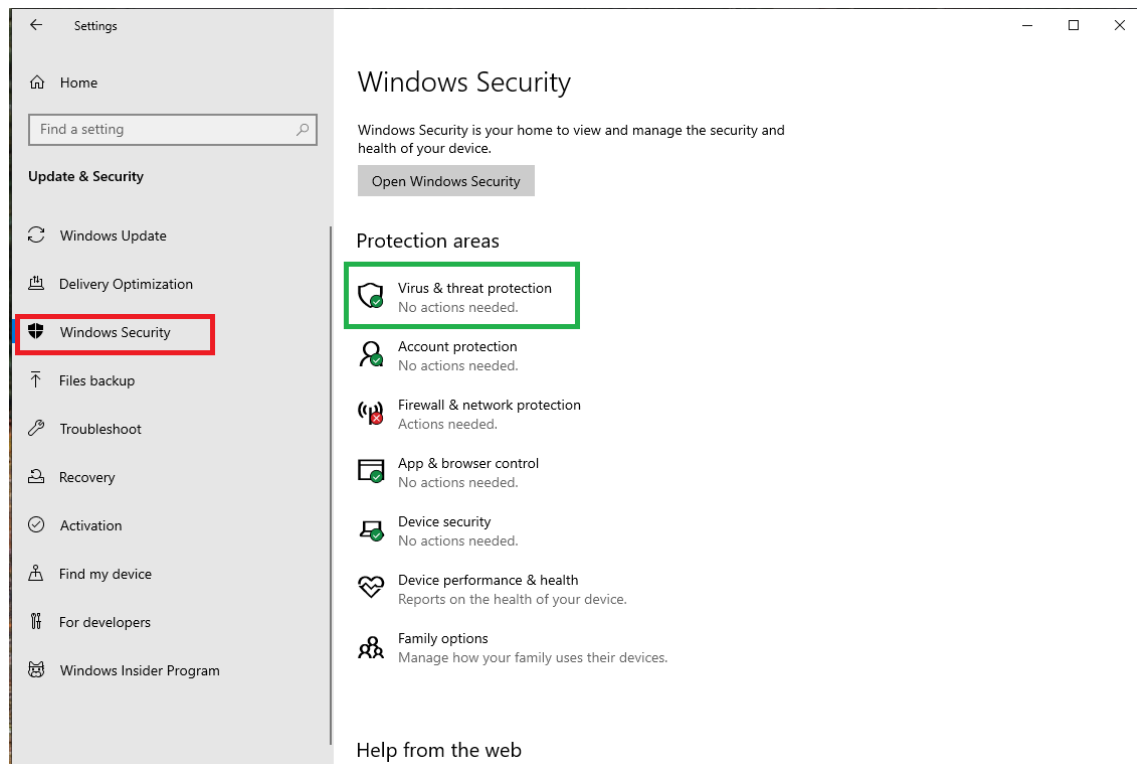


Running a Full Virus Scan

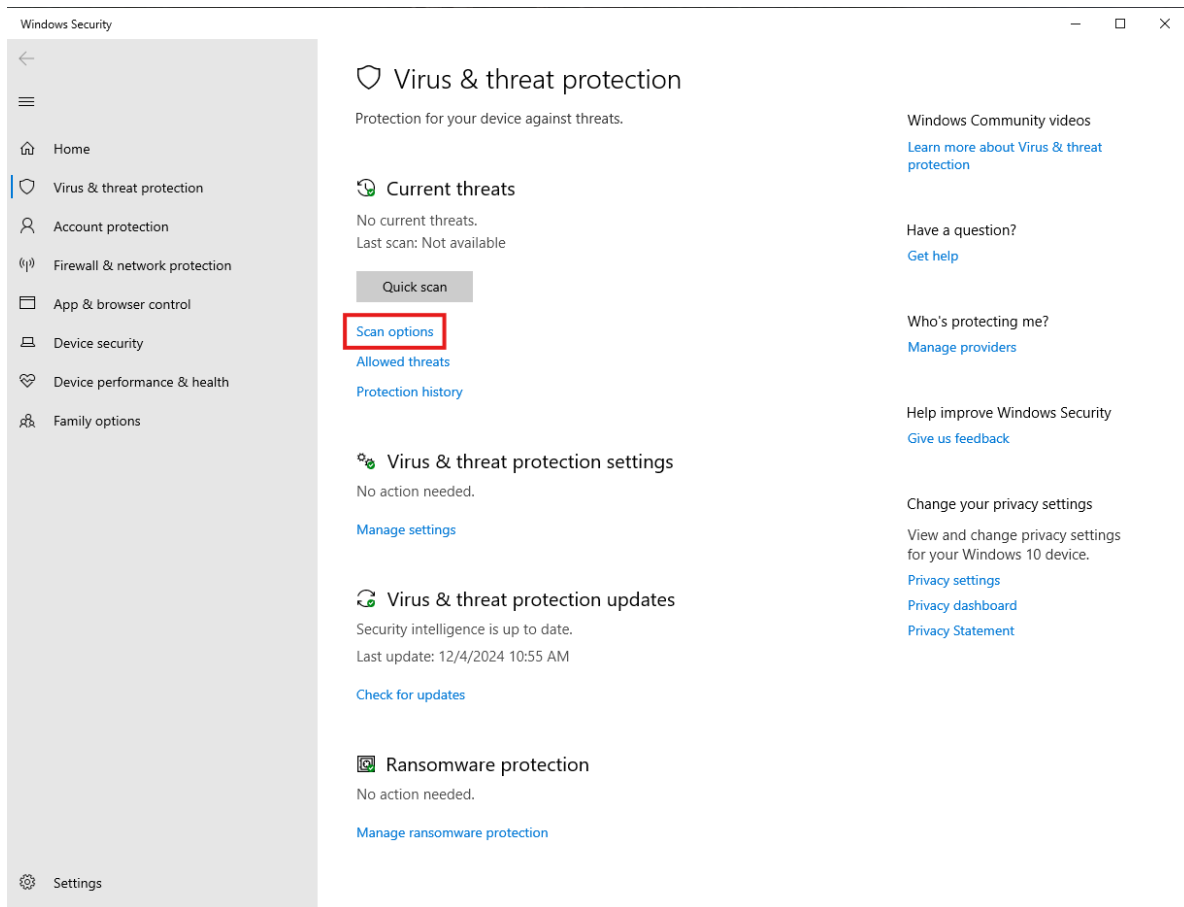
99. Open *Settings* and click *Update & Security*



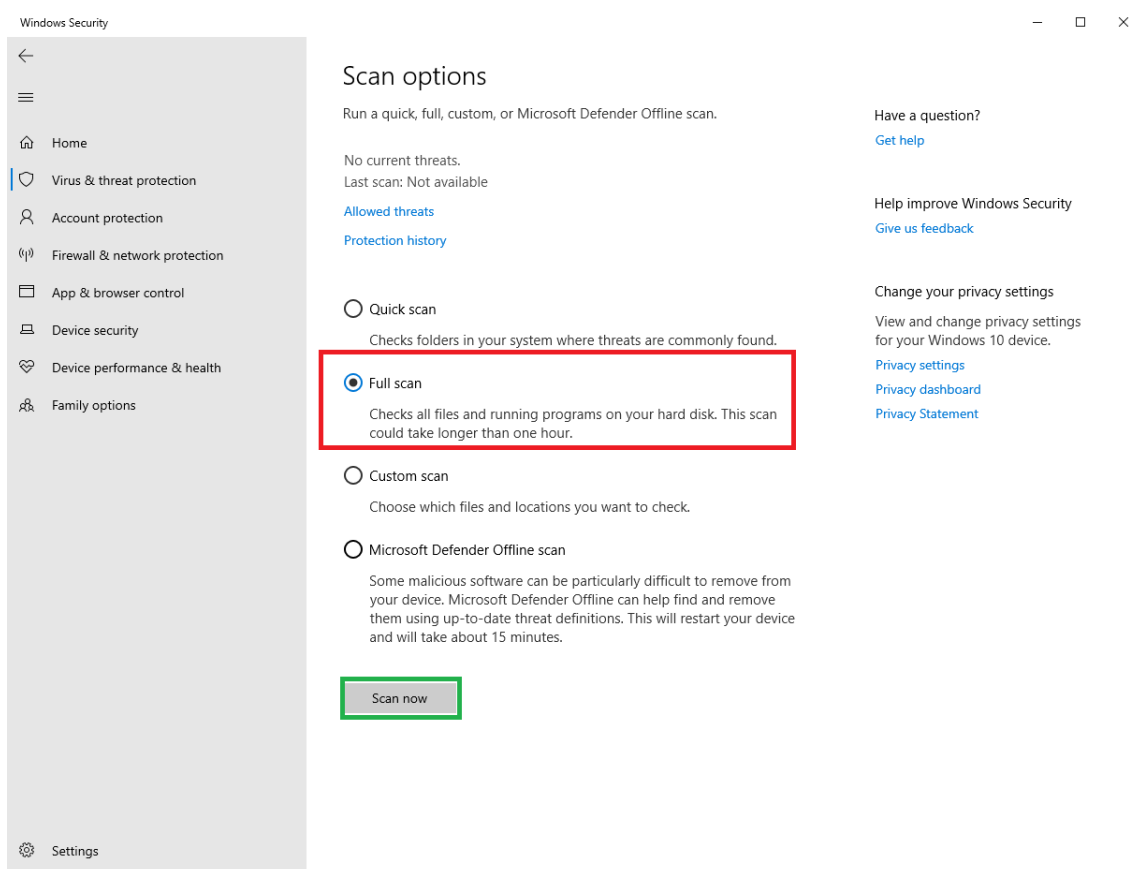
100. Click *Windows Security* on the left pane and click *Virus & threat protection*



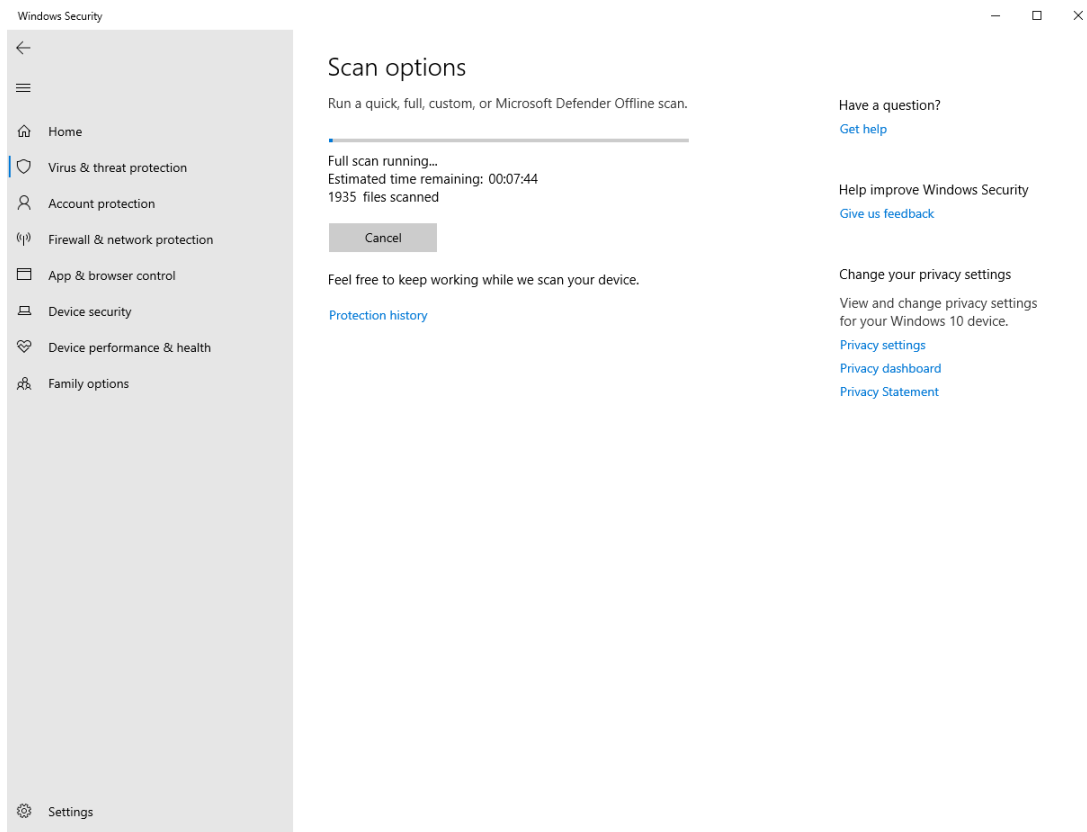
101. Click on *Scan Options*



102. Select *Full Scan* and click *Scan Now*



103. It will start Scanning the System



104. 0 threats found

Run a quick, full, custom, or Microsoft Defender Offline scan.

No current threats.
Last scan: 12/4/2024 1:20 PM (full scan)
0 threats found.
Scan lasted 38 minutes 8 seconds
610610 files scanned.

[Allowed threats](#)
[Protection history](#)