

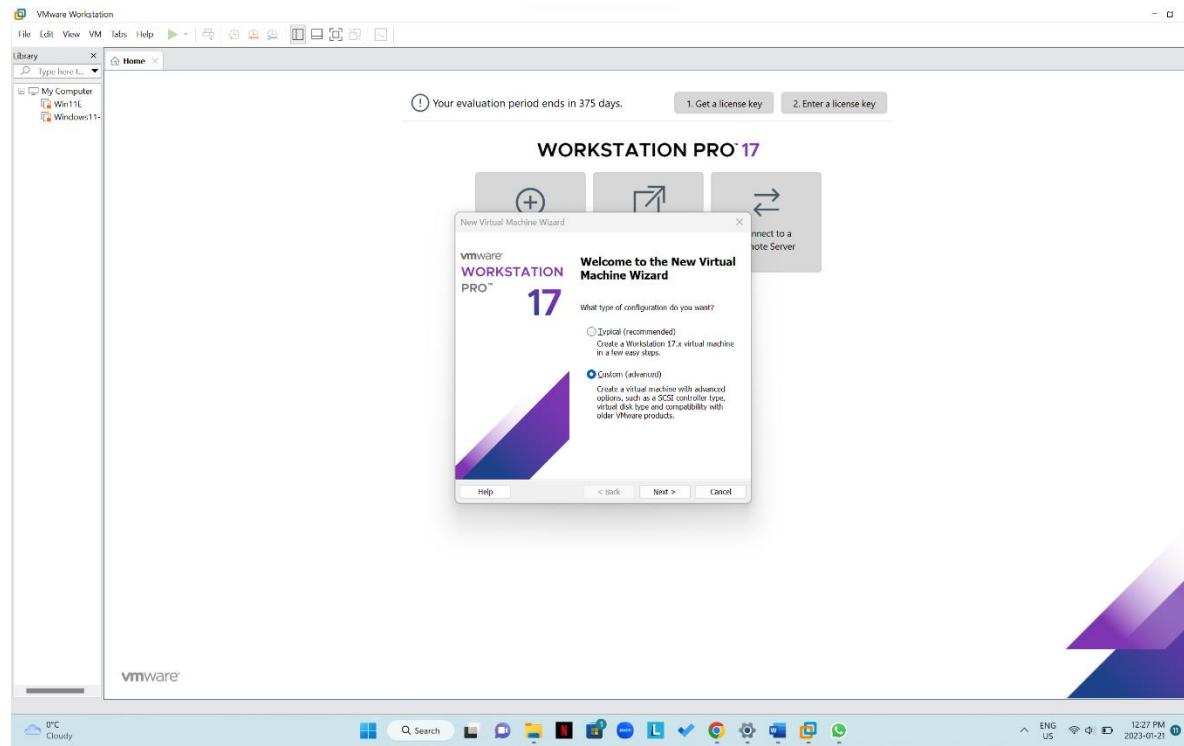
# Case Project

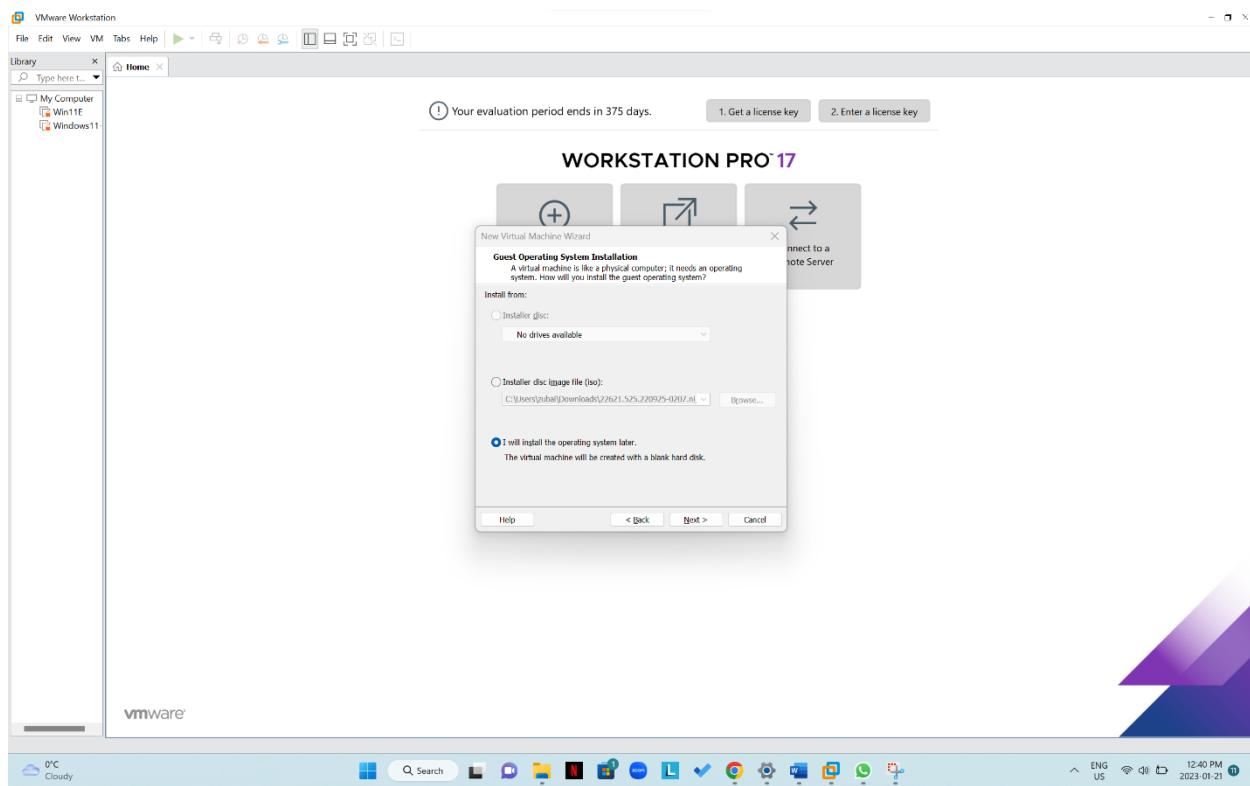
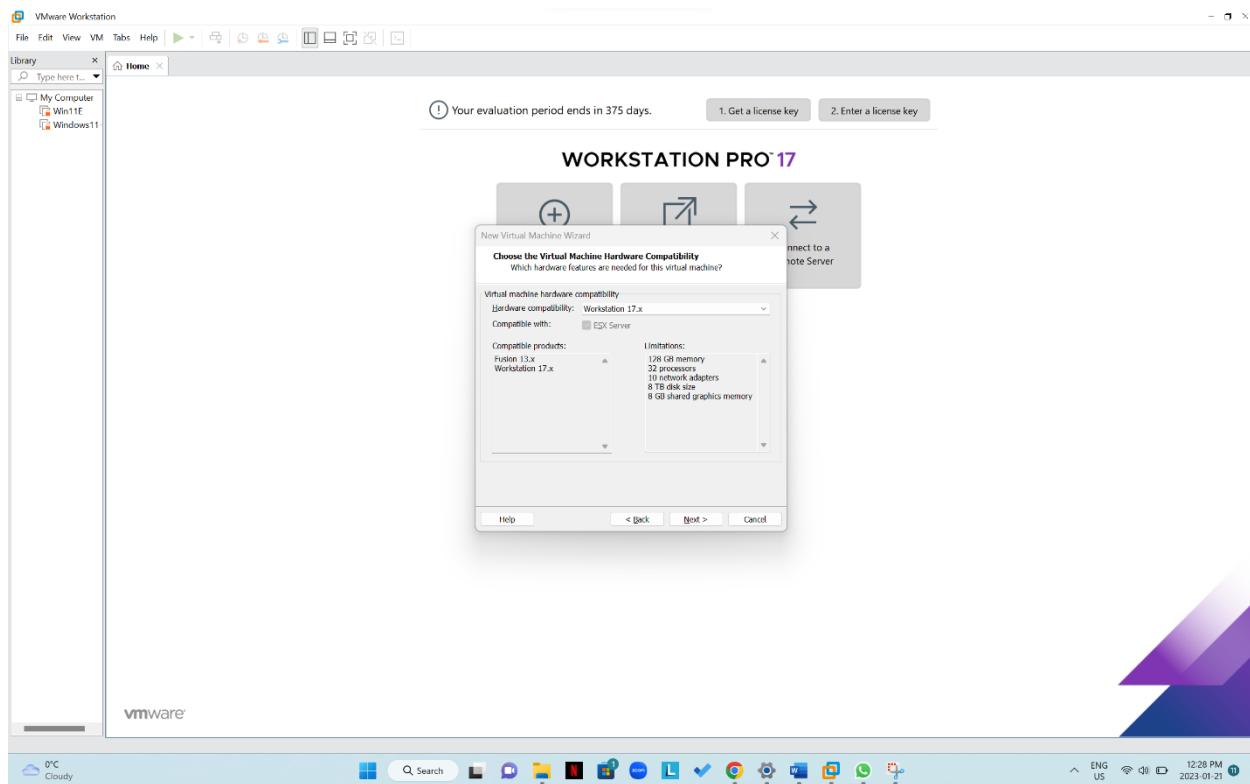
Student Name: Zubair Farooqui  
Student ID: 101468549

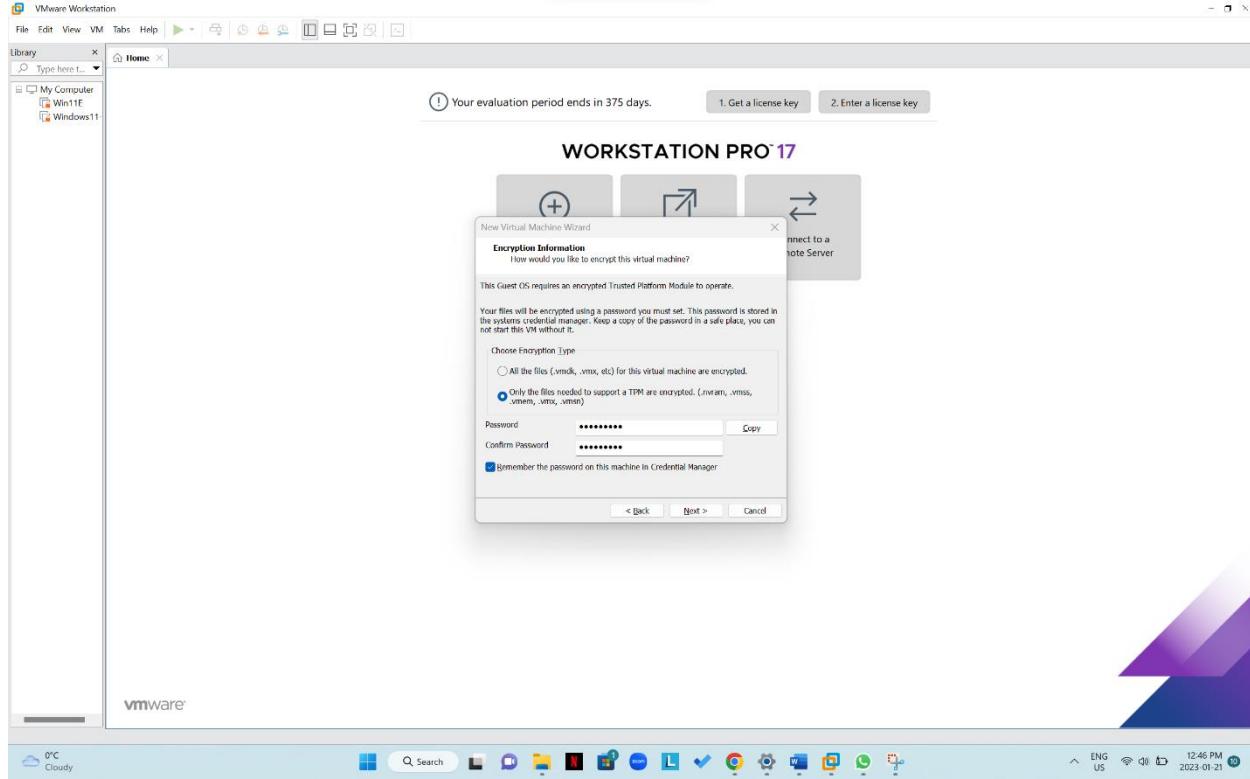
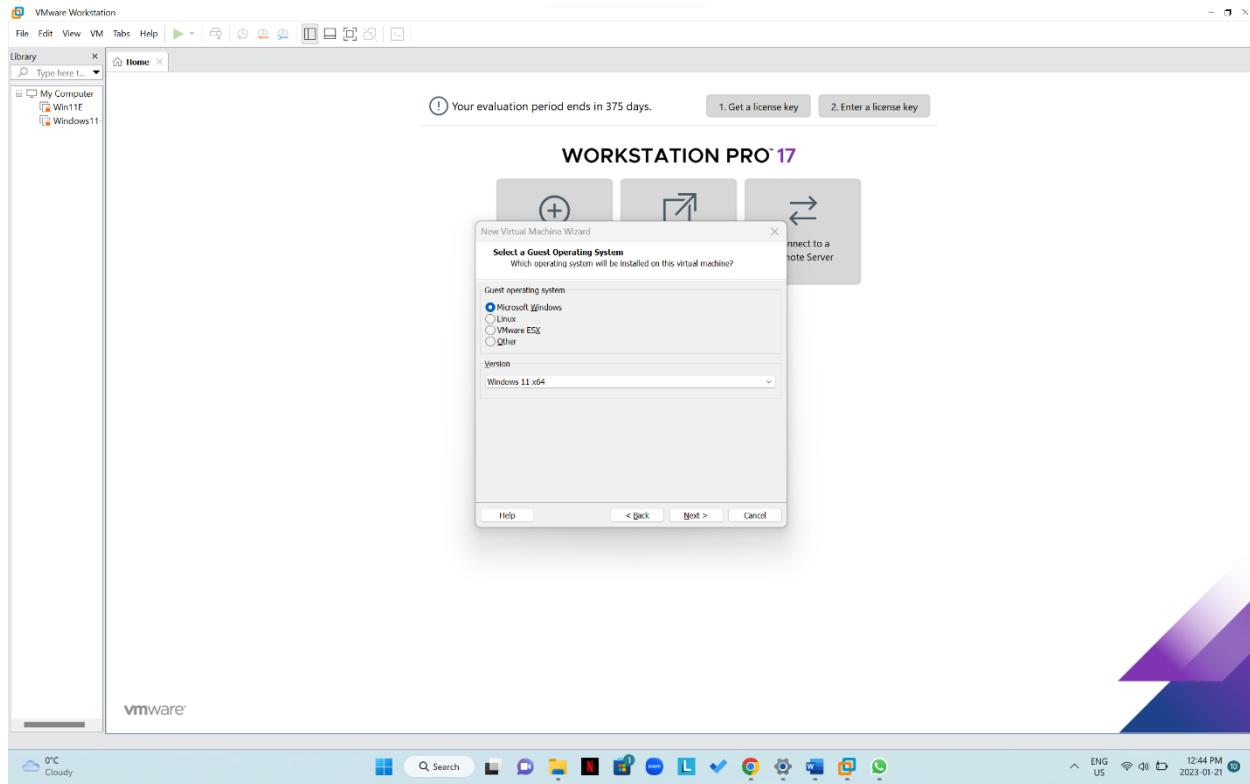
Term: Sem 1

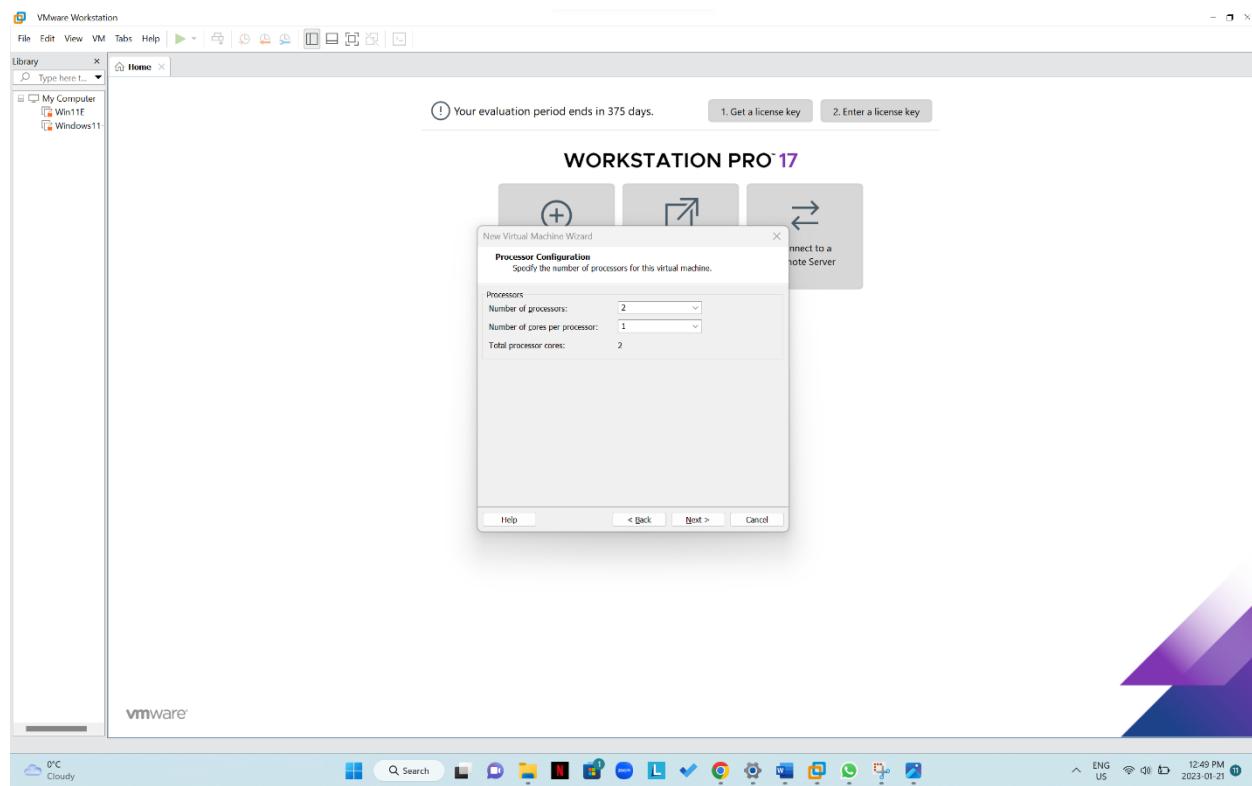
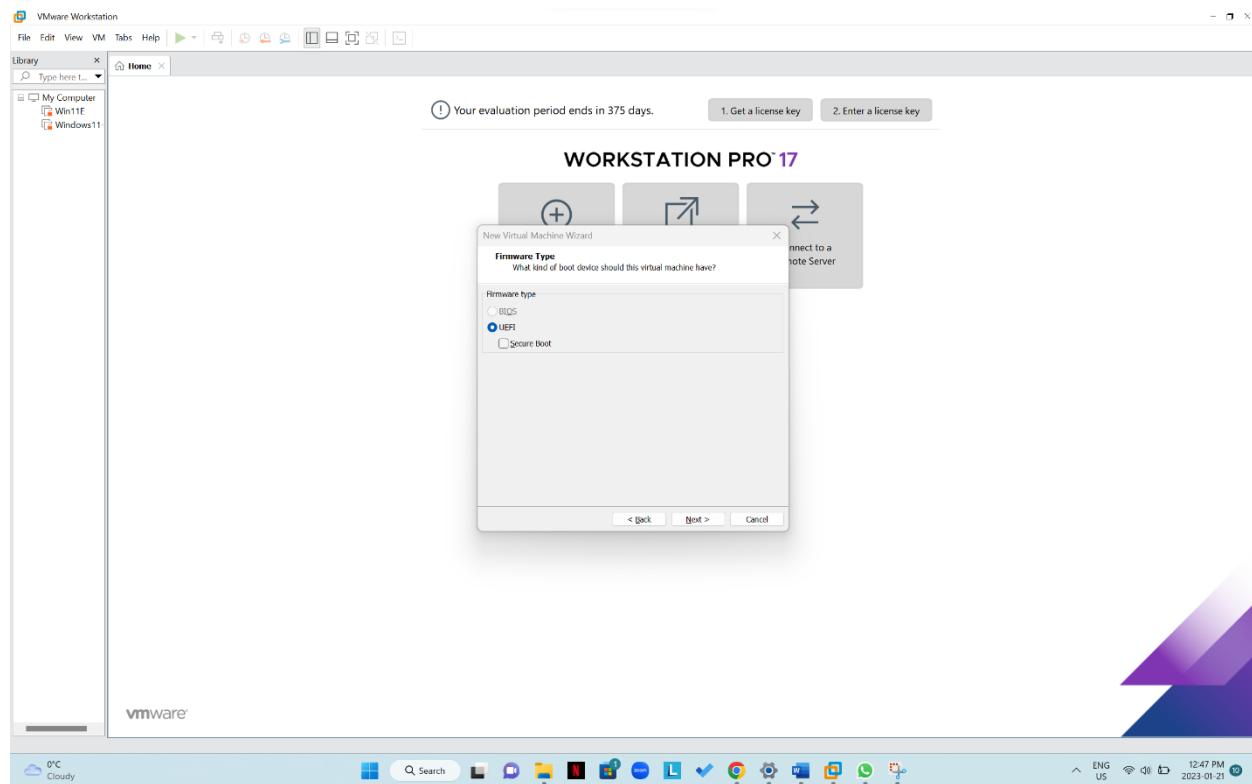
## Task1: Install Windows 11 on VmWare Workstation and Name it “Yourname-StudentID”

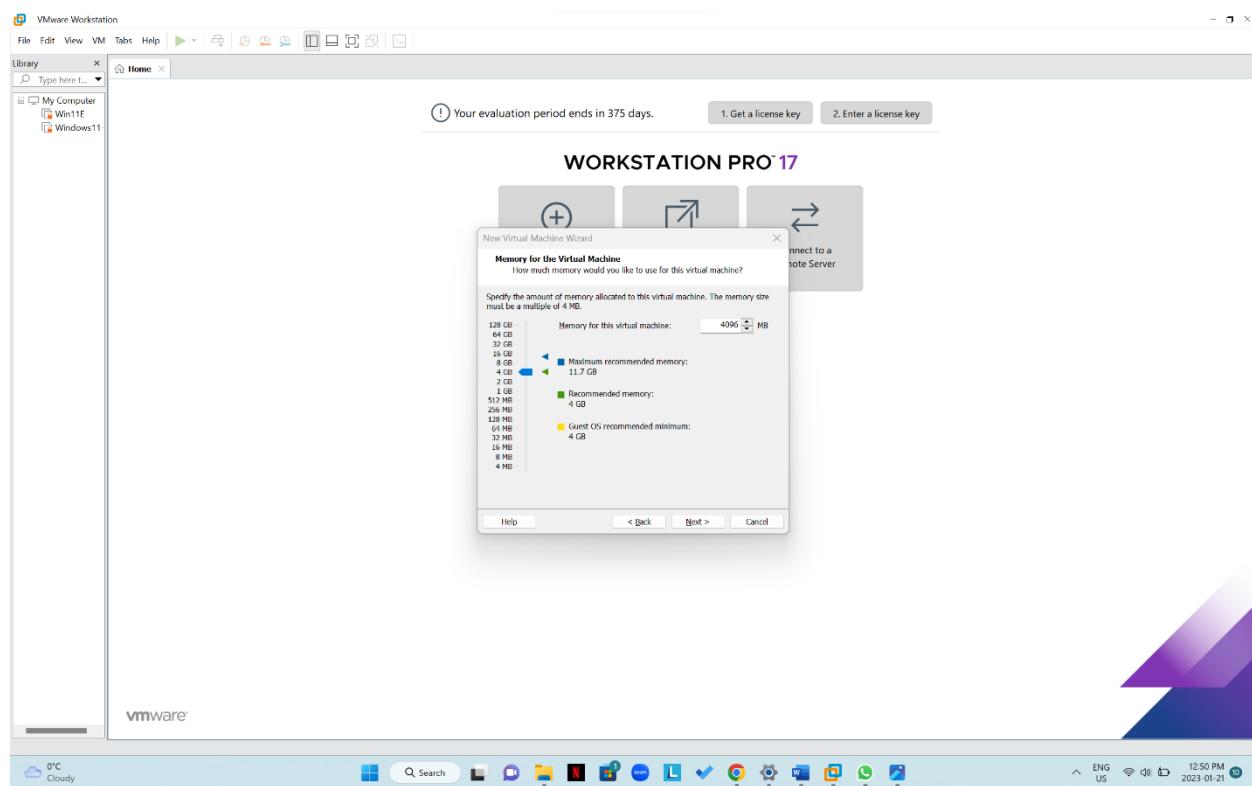
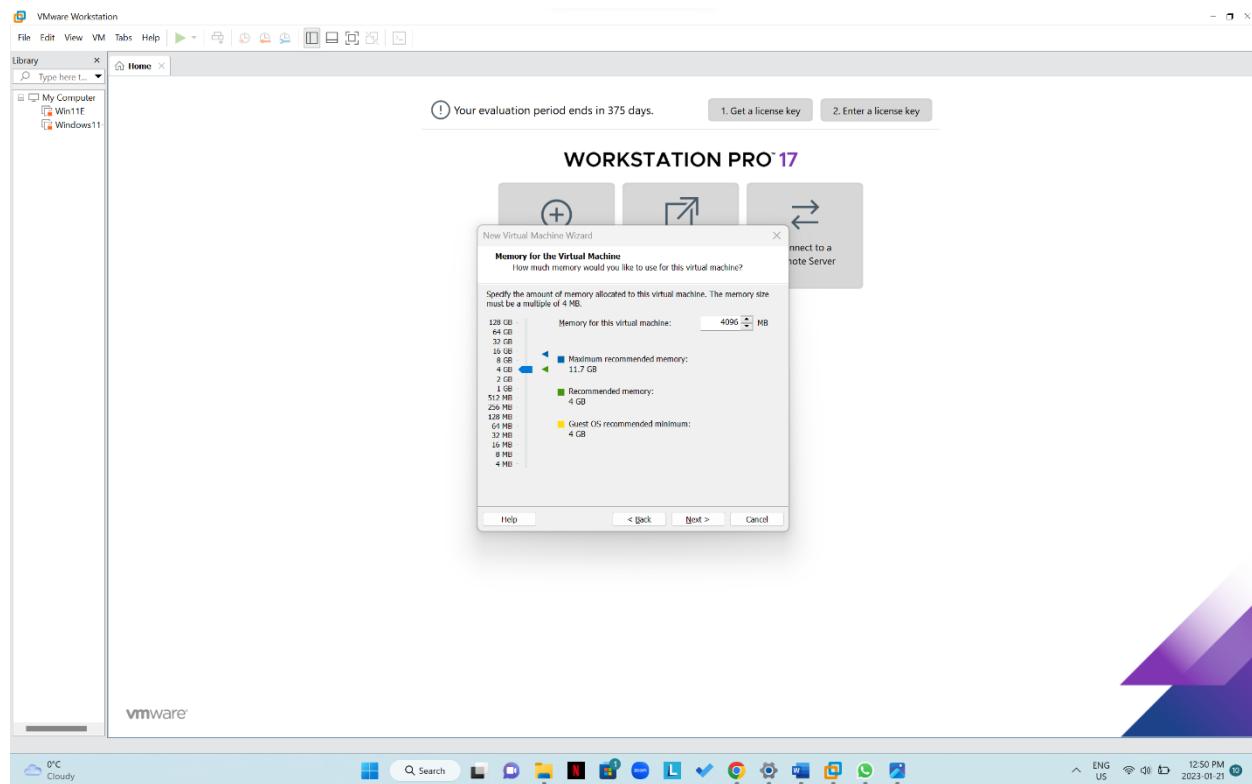
- Initially, we must create a virtual machine to install Windows 11 on it. This will take a few moments as shown in the below screenshots, step by step.

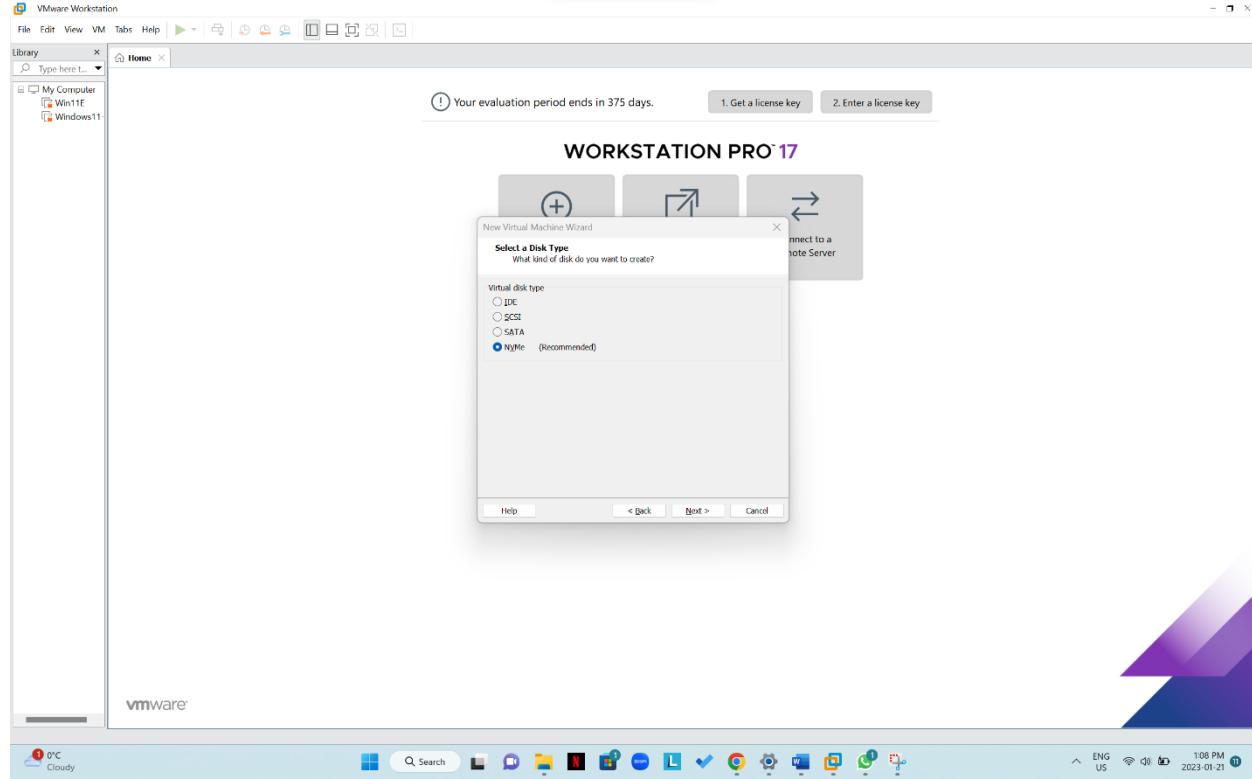
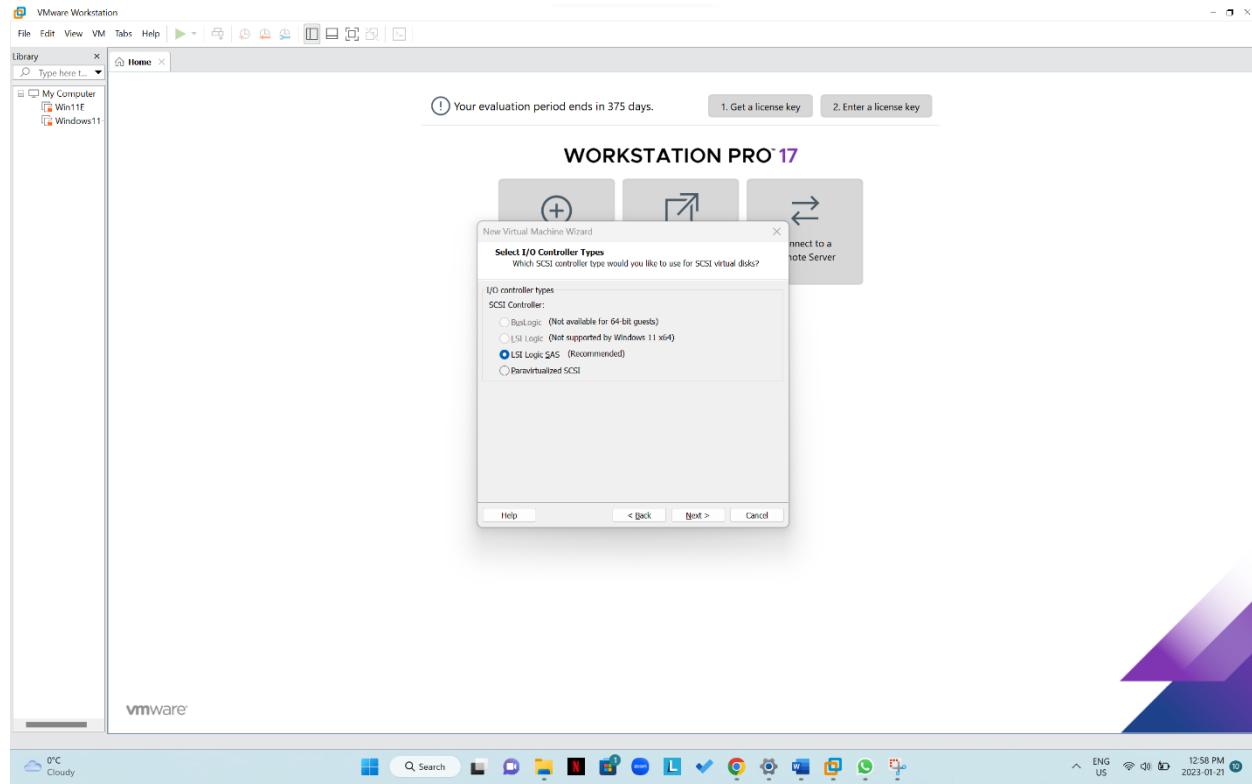


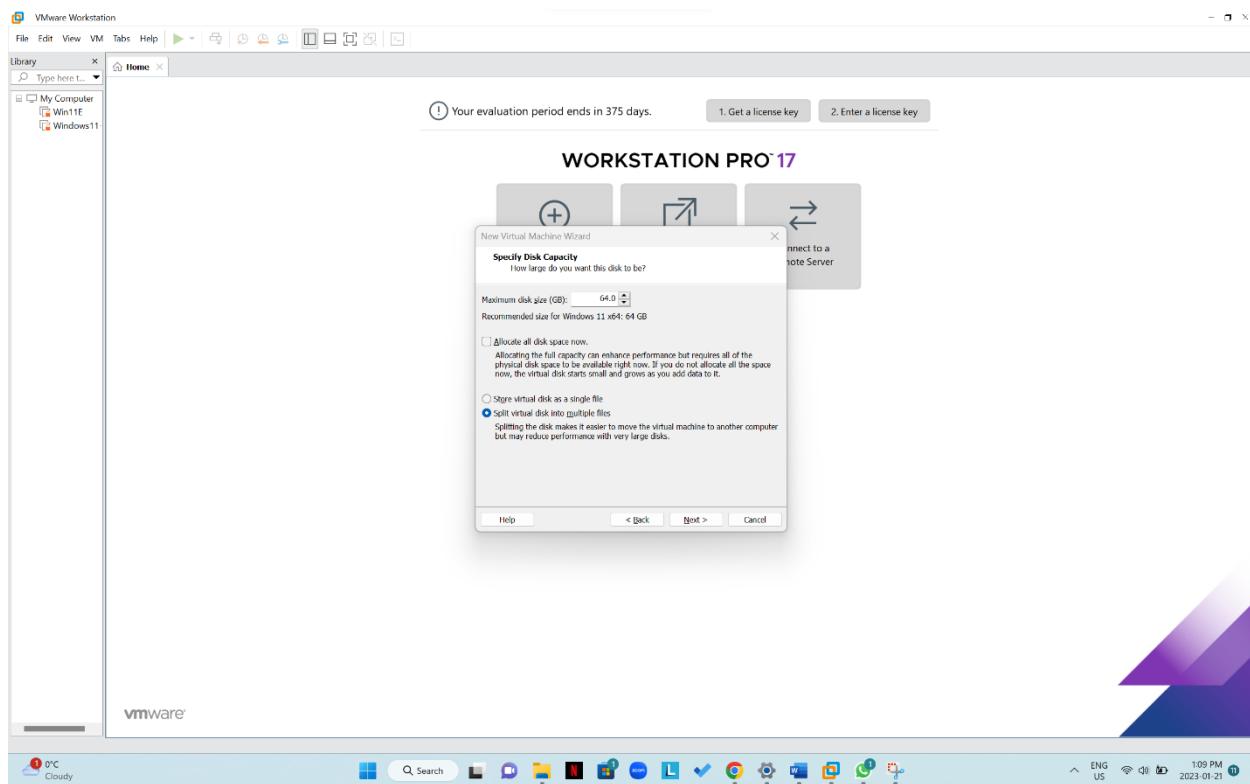
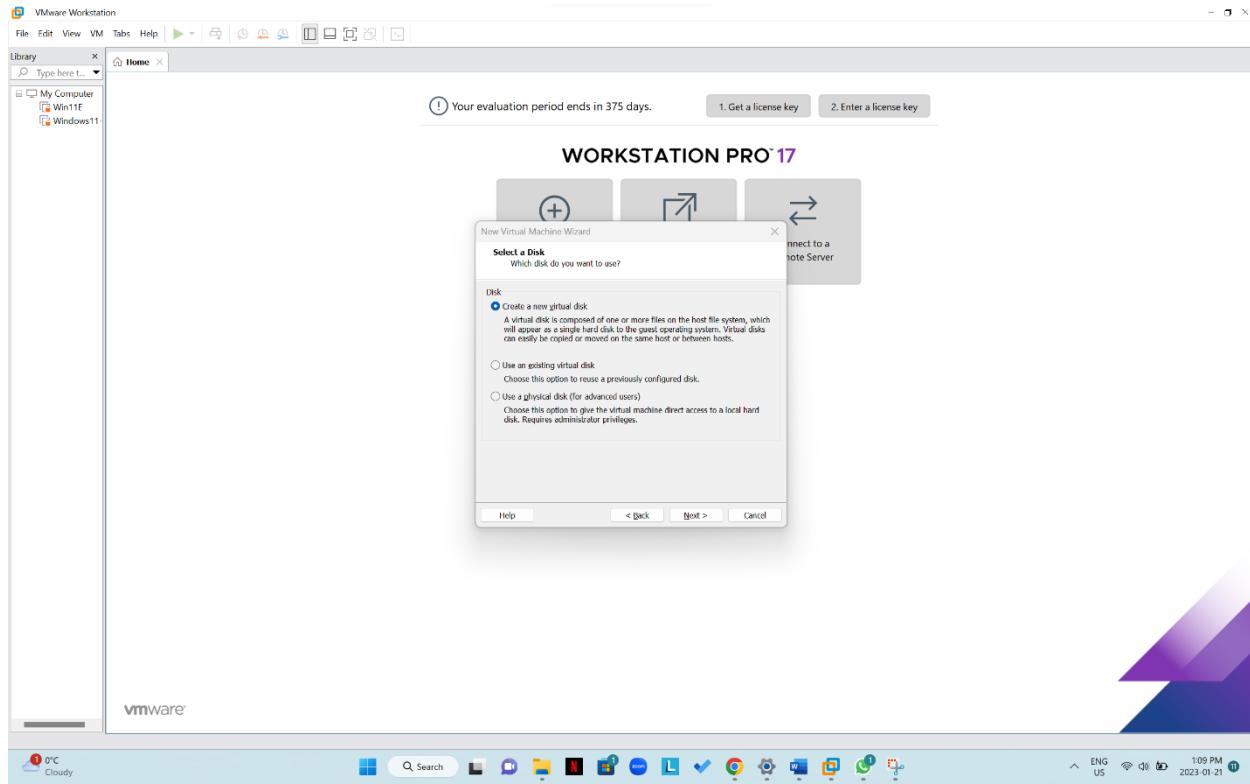


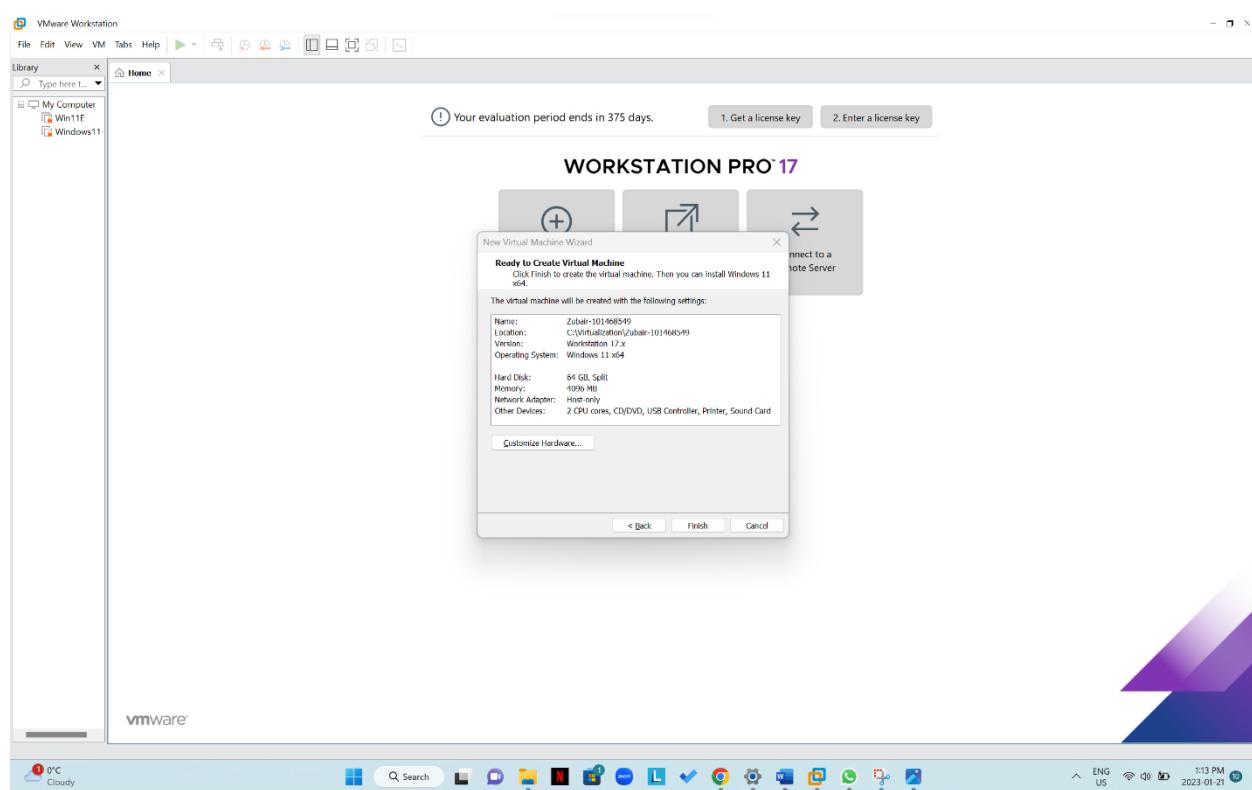
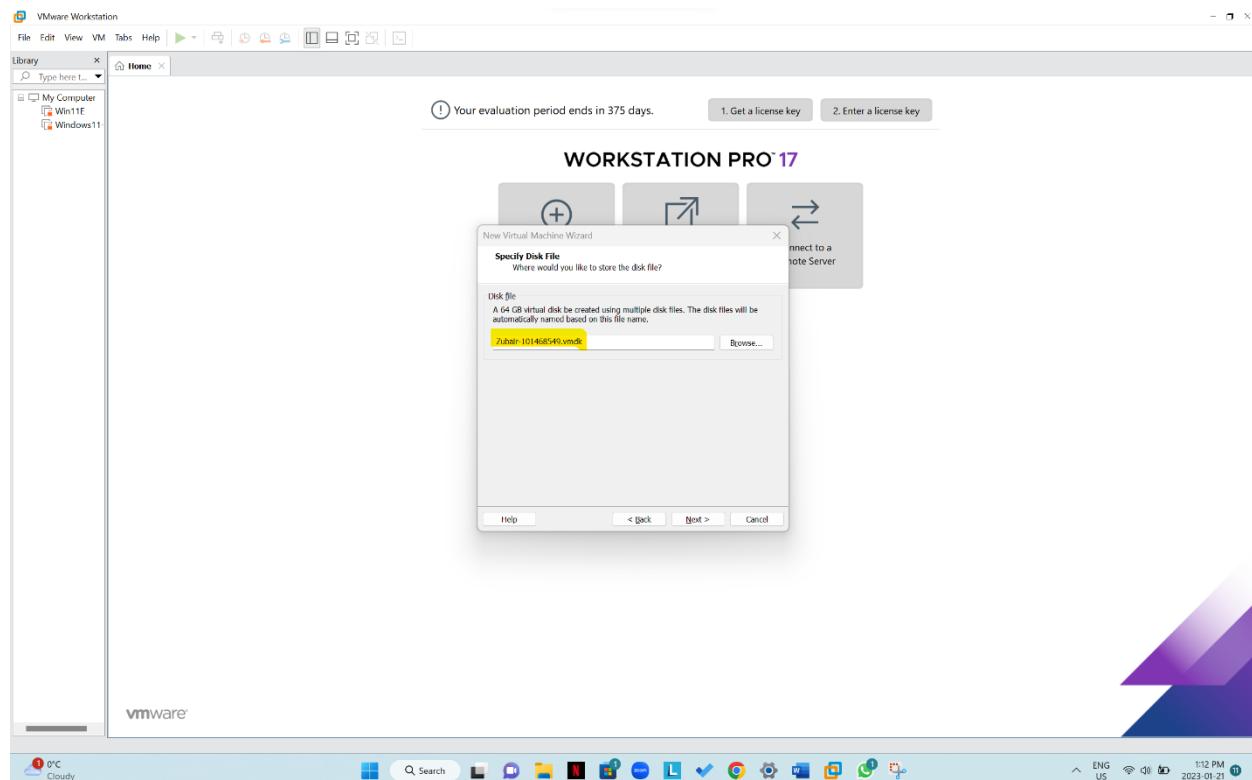




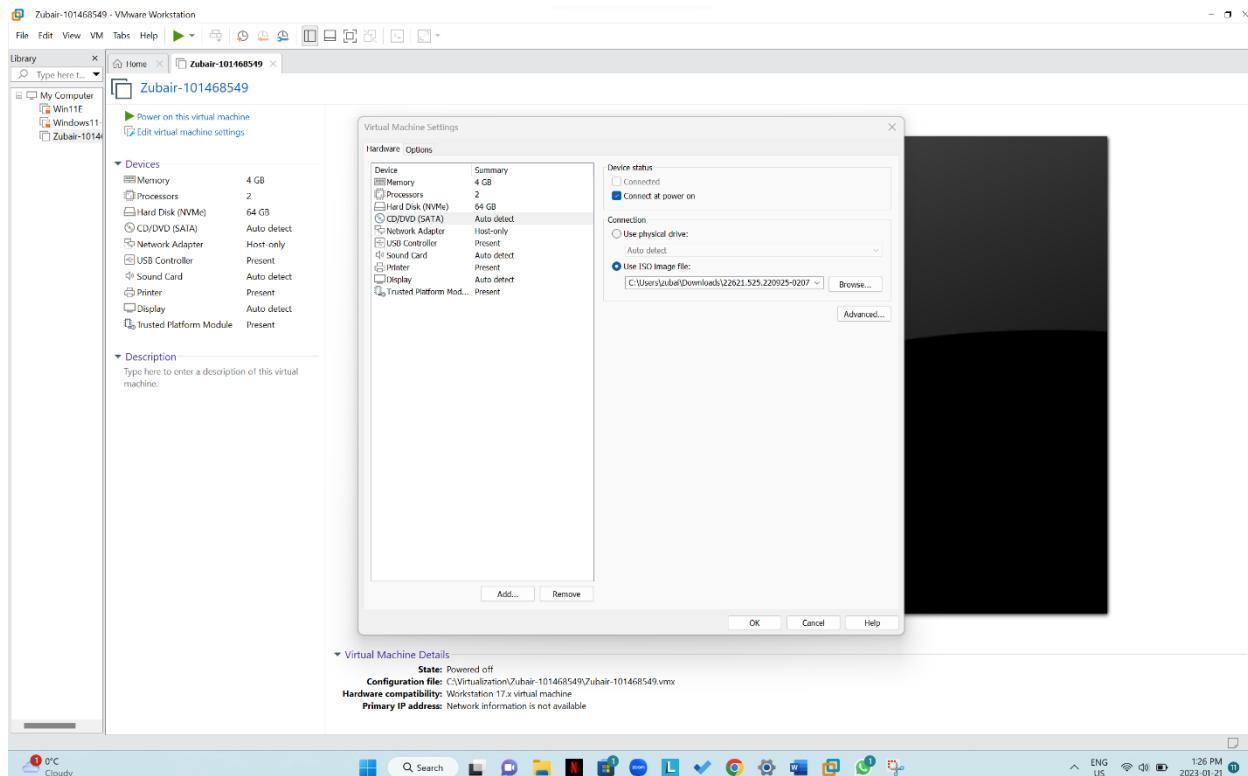




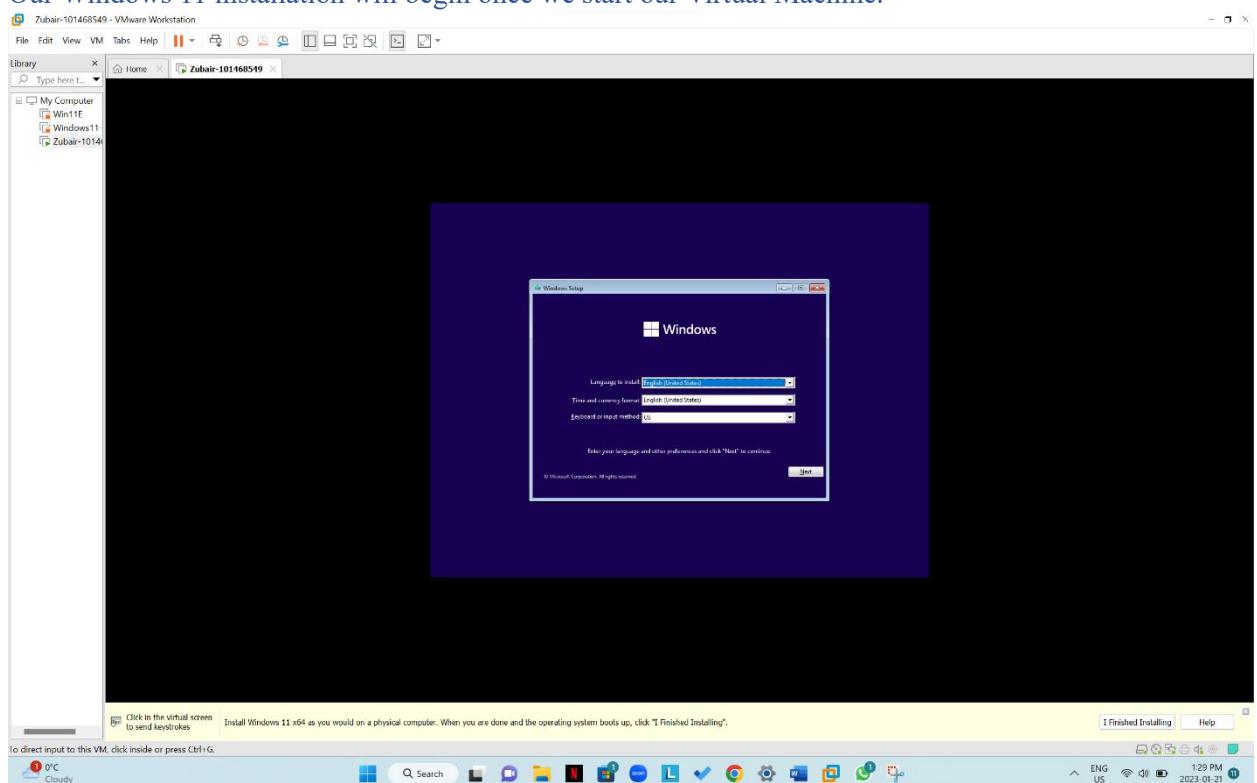


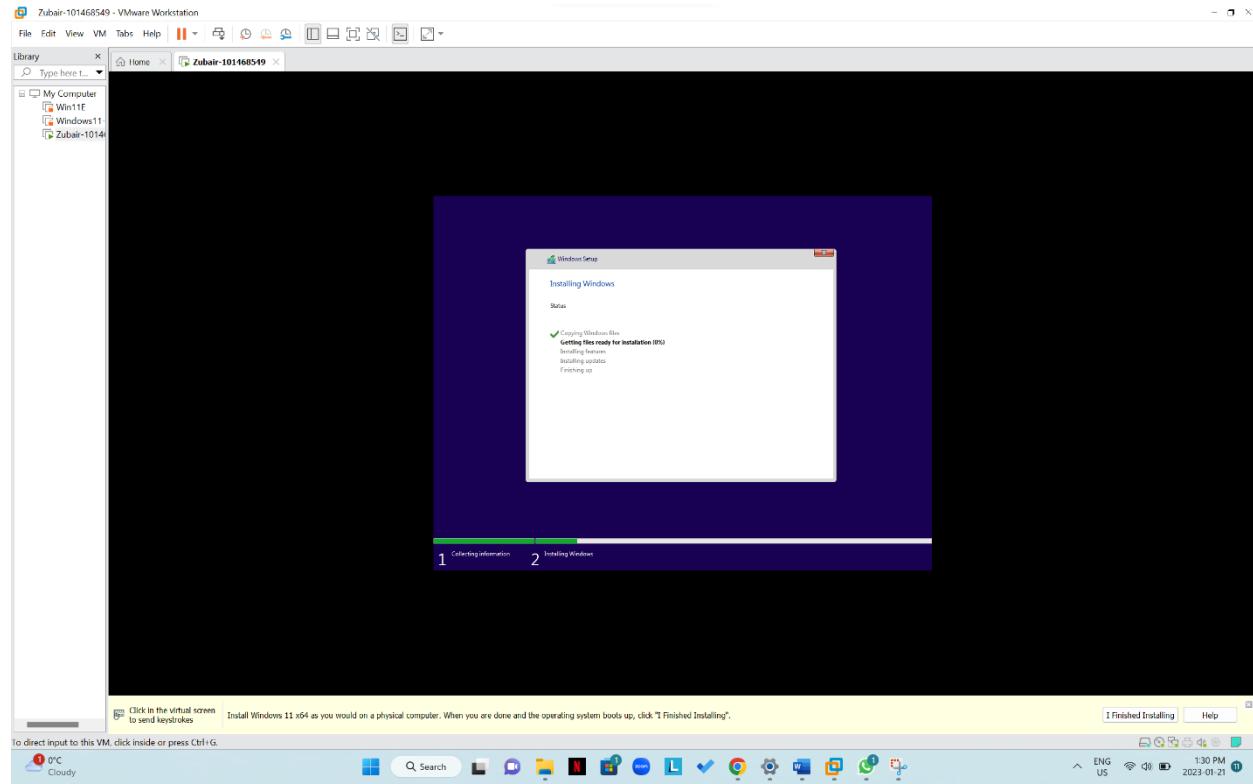


- Once your Virtual Machine is created, we go to edit the virtual file and add the Windows 11 Enterprise ISO file in CD\DVD (SATA) option.

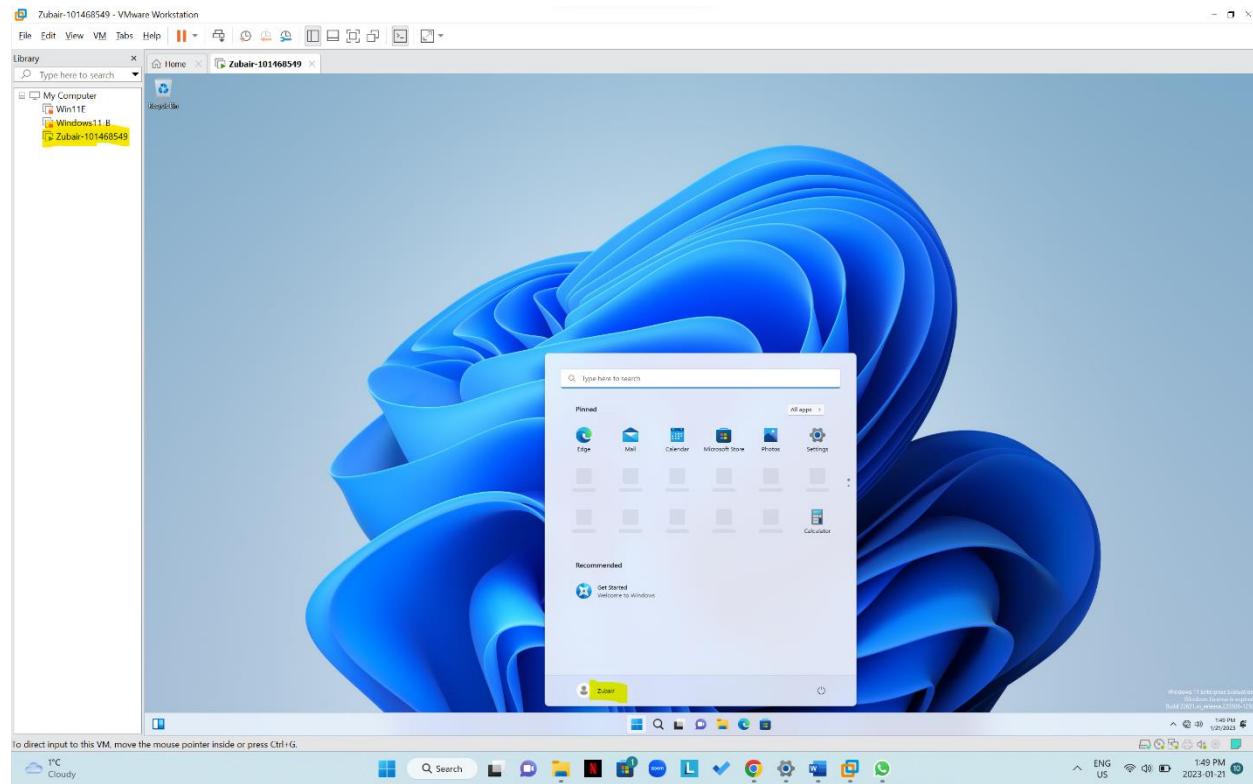


- Our Windows 11 installation will begin once we start our Virtual Machine.



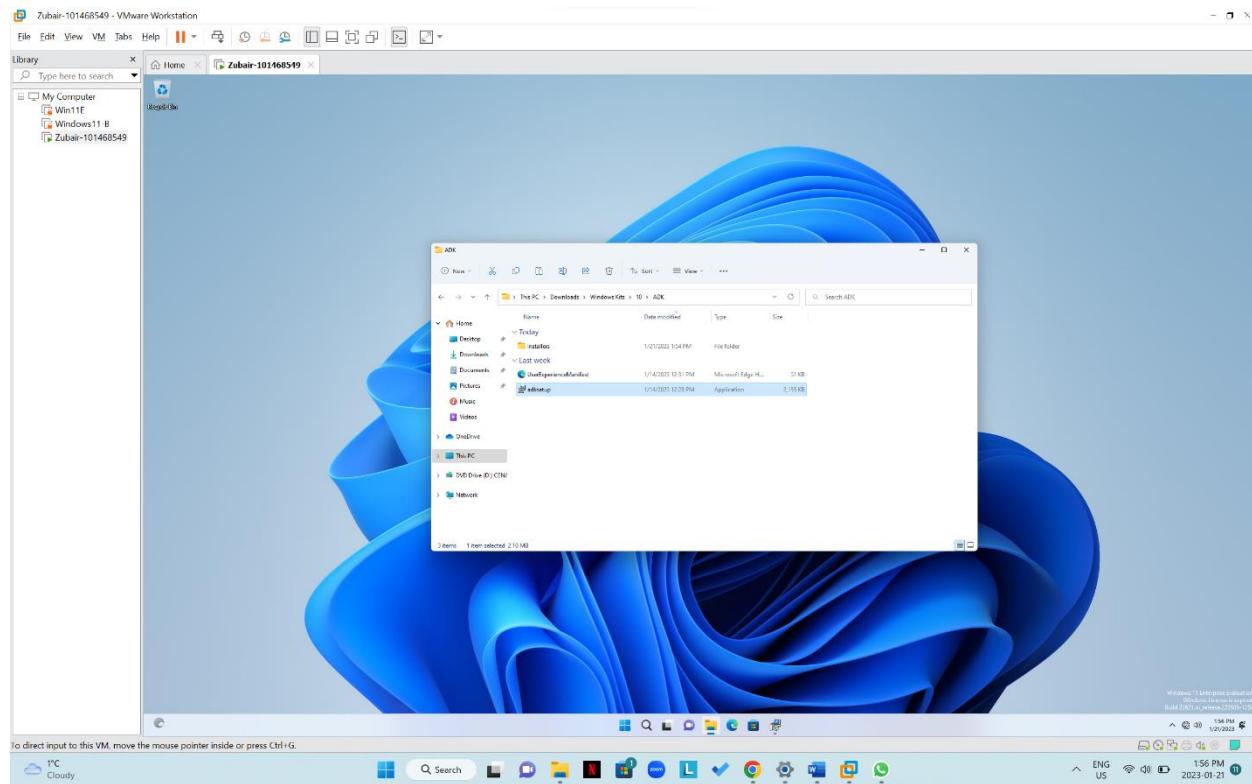


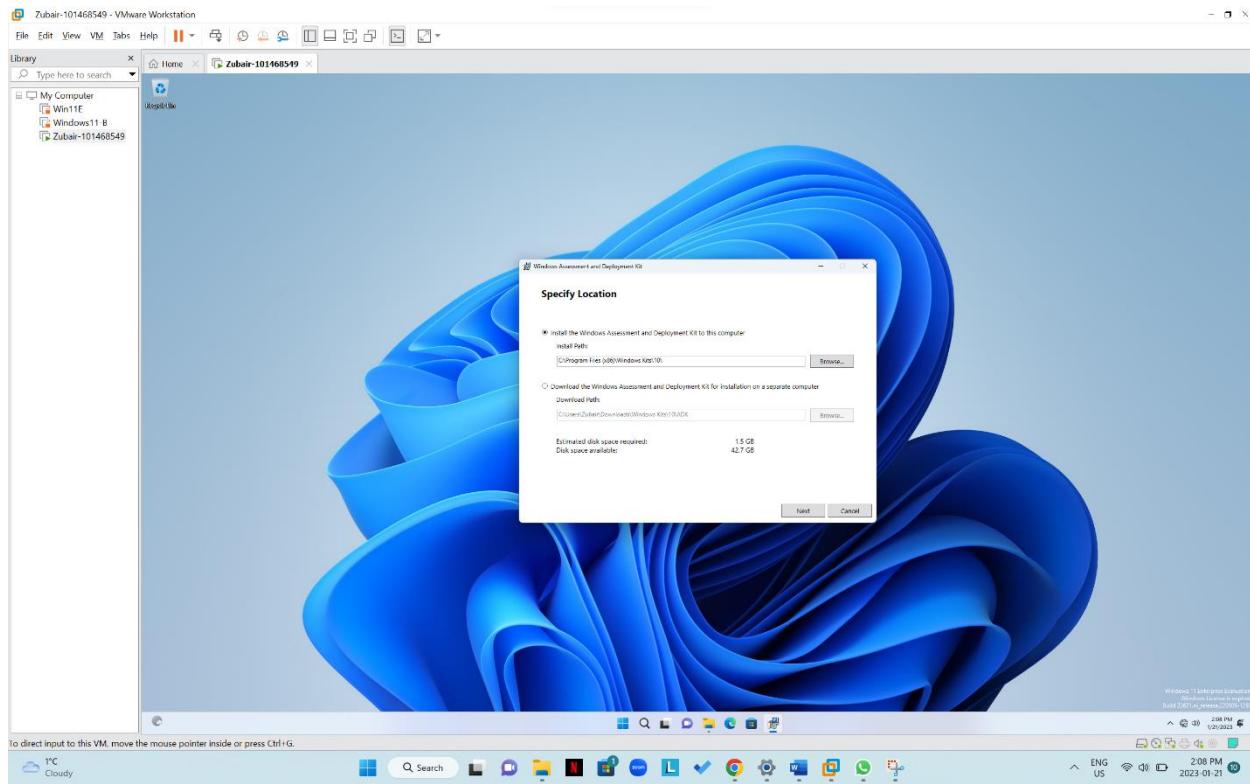
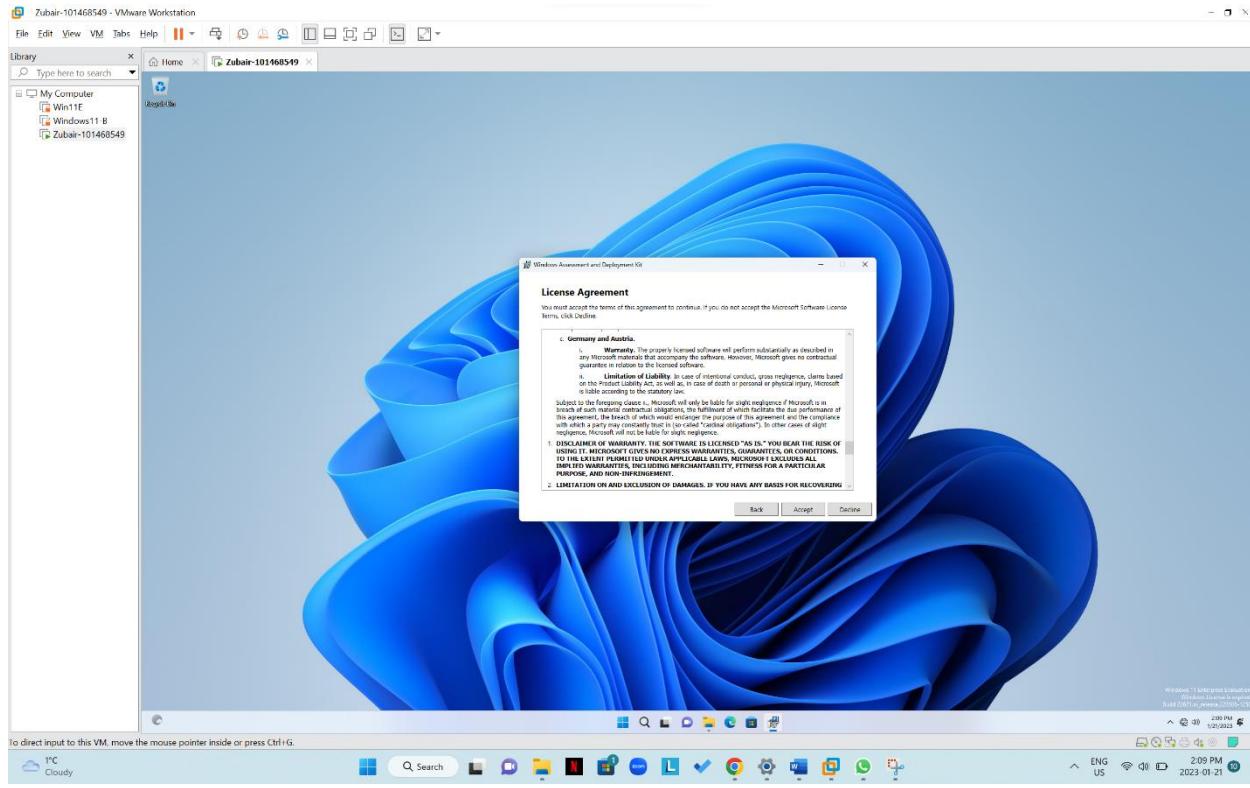
→ Finally our windows 11 is installed on the virtual machine.

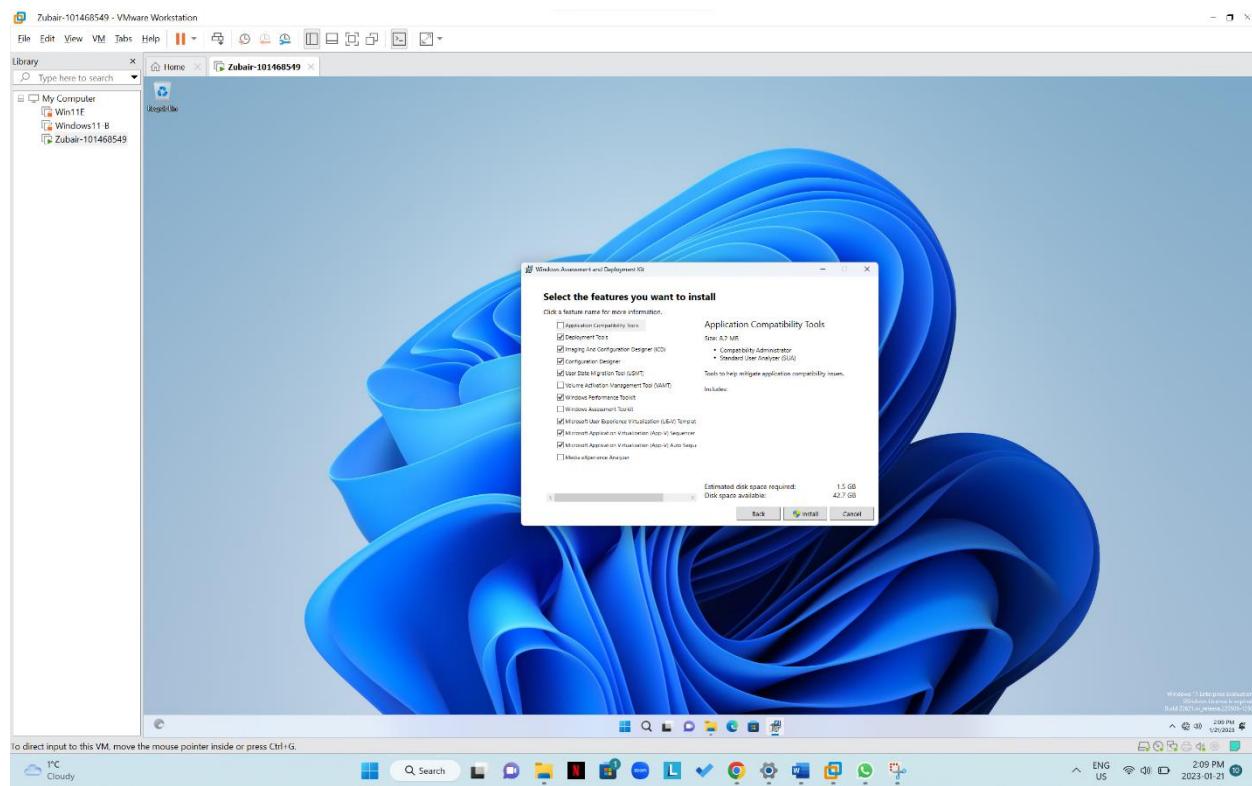
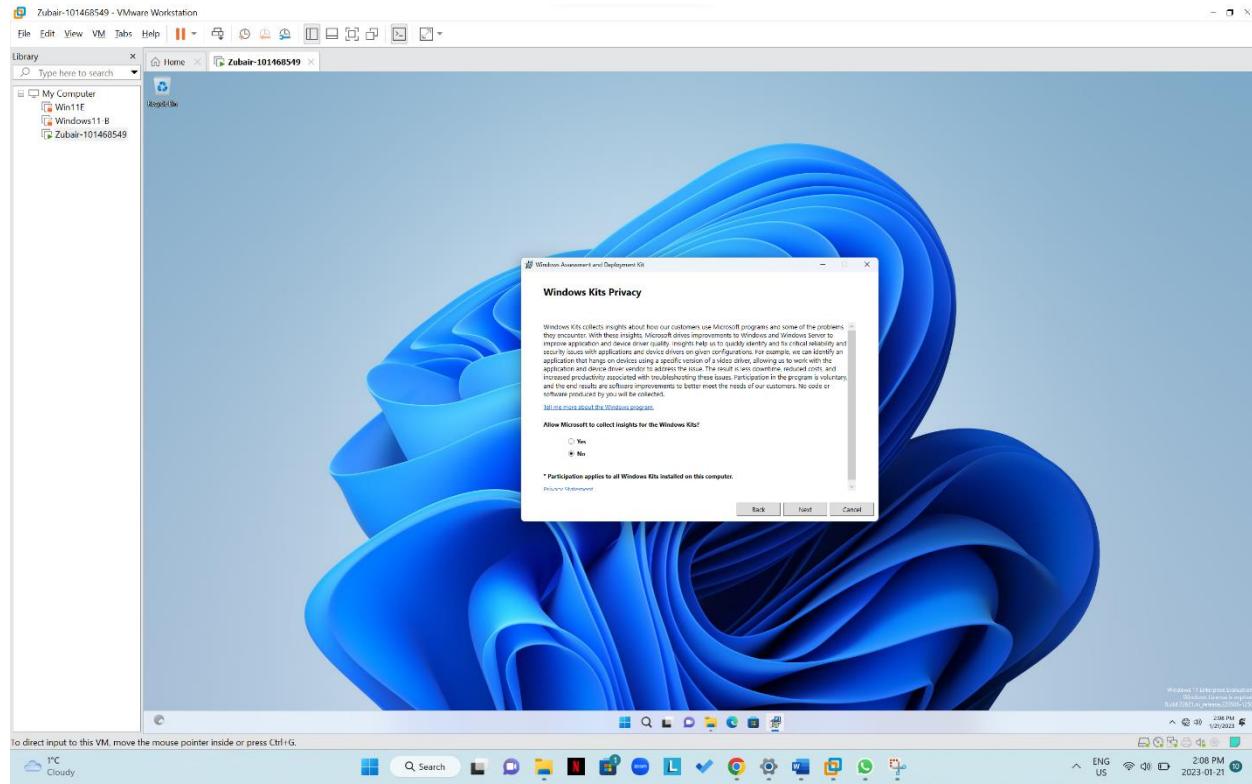


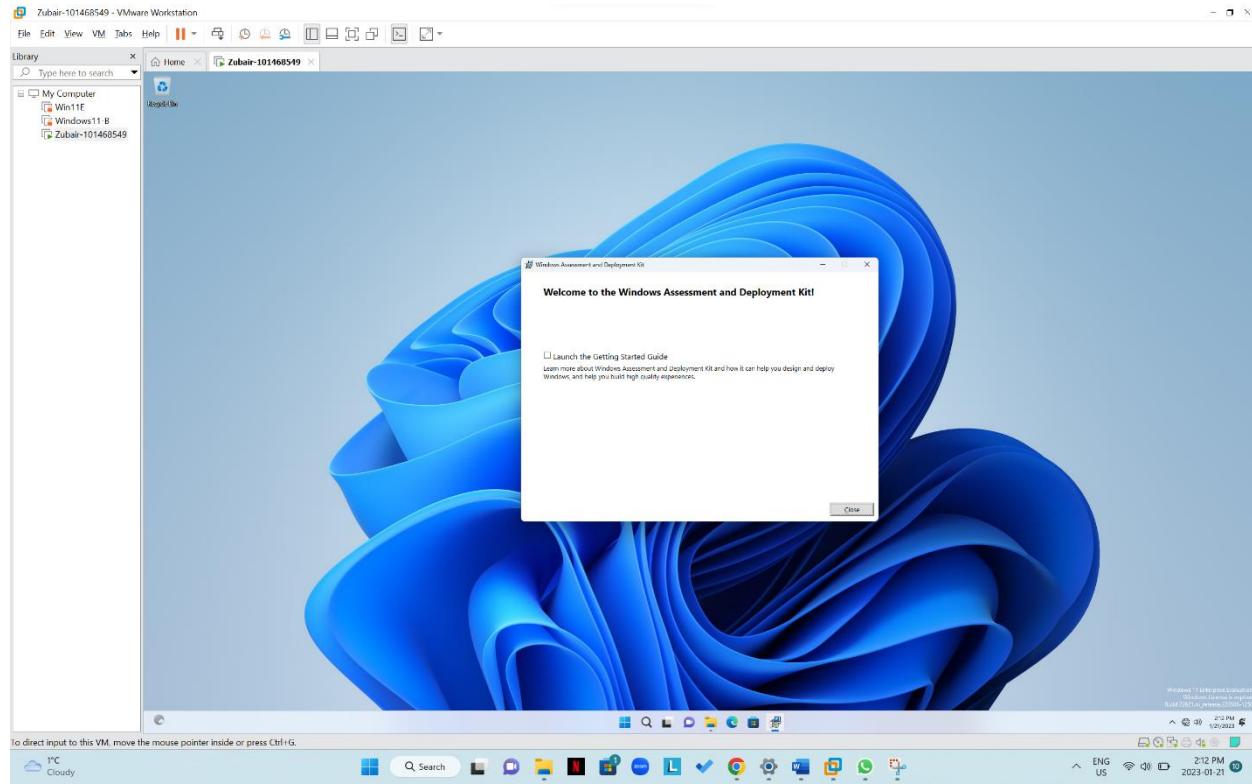
**Task2: Create a provisioning package that creates a local admin account called “yournameAdmin” and set the password to P@ssw0rd. (create and add the package)**

- To create a provisioning package, we first need to install the Windows Deployment Kit. This will install multiple applications.

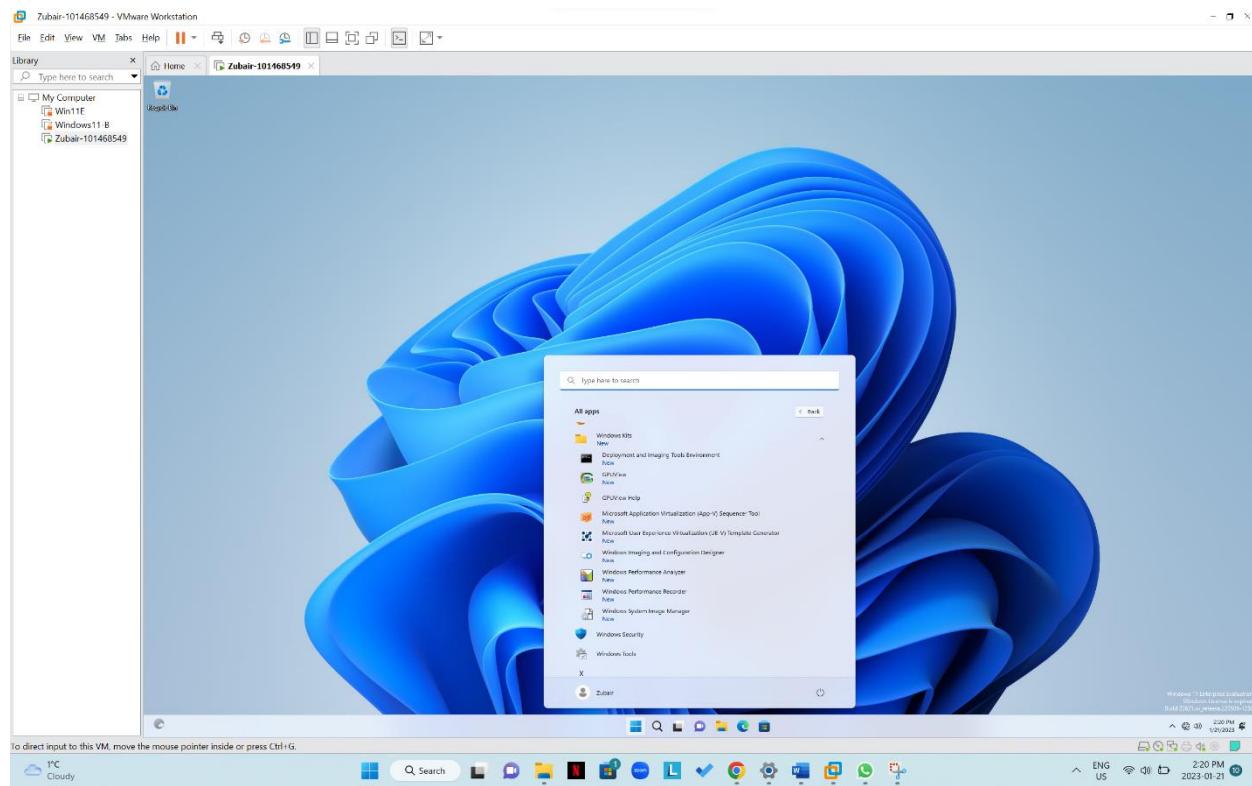




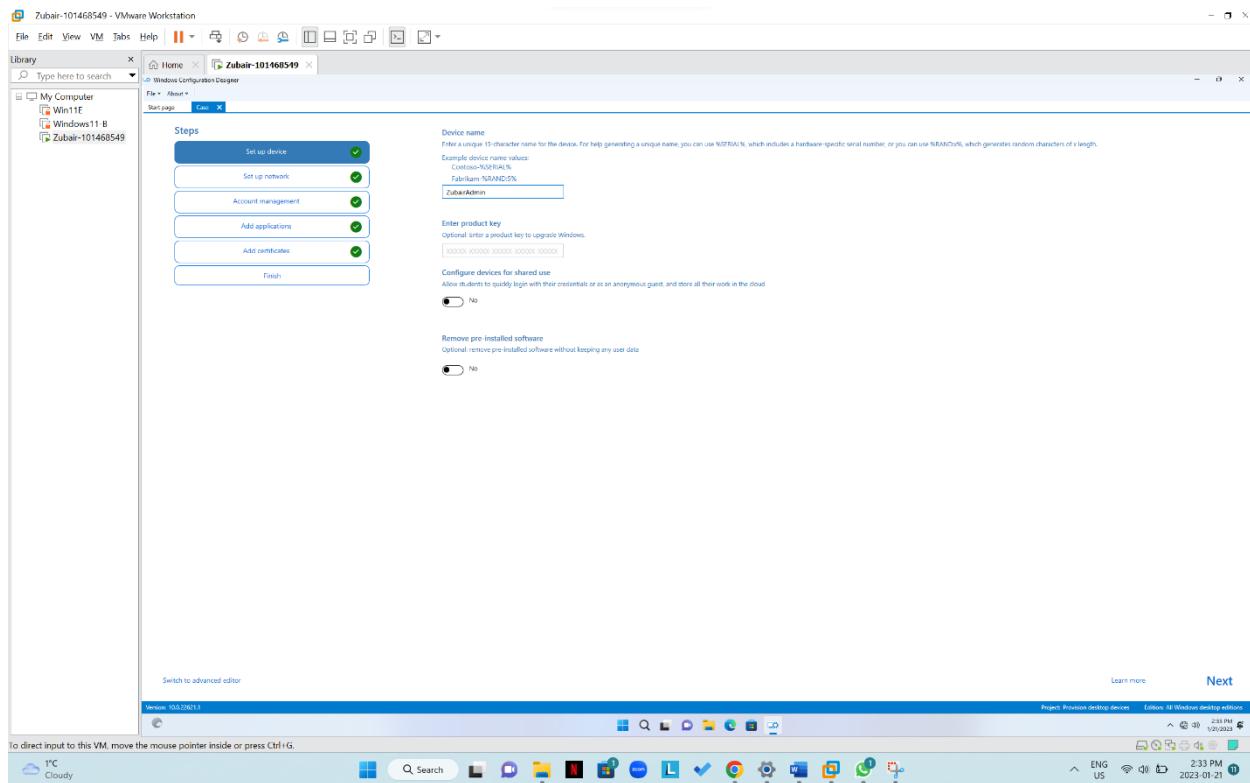


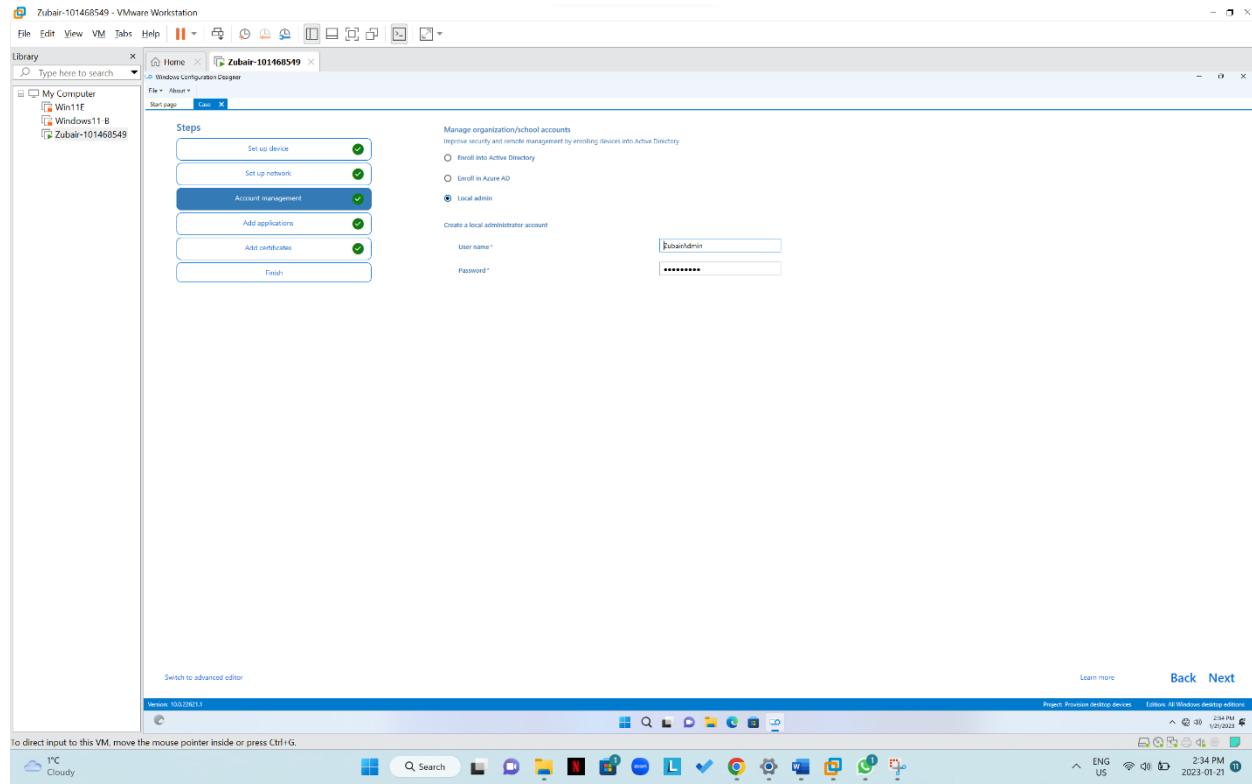


→ Once installed, go to Windows Imaging and Configuration Designer.

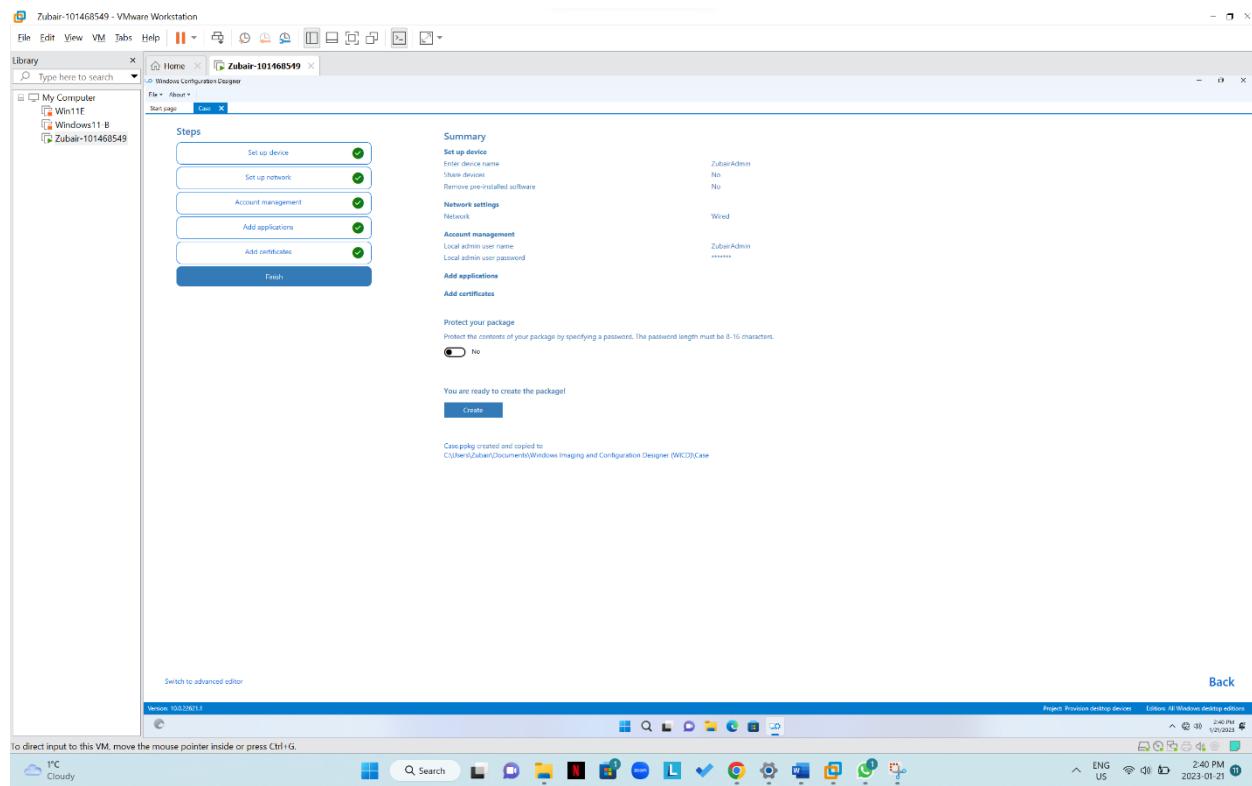


→ Once you open the Imaging and Configuration Designer, you must fill the details such as USERID, Password, Applications etc.

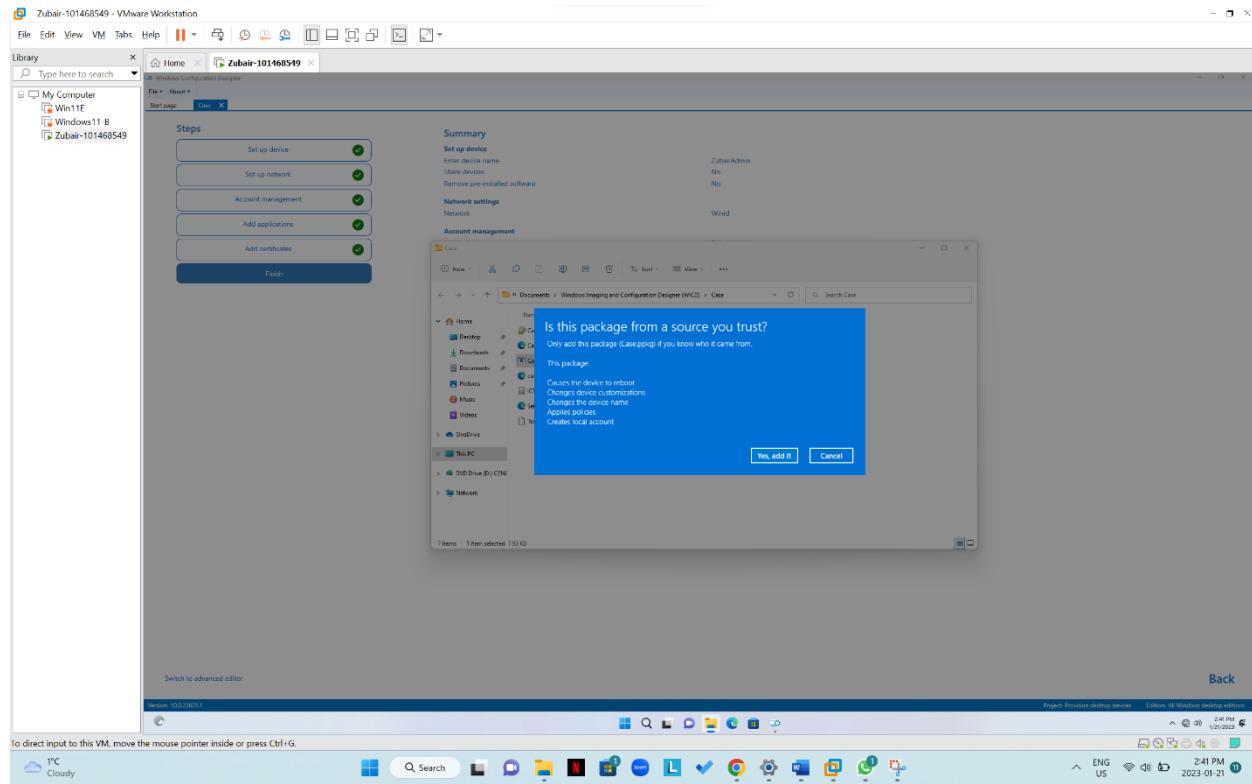




→ Once Provisional package is created, follow the given link to run the .exe file.

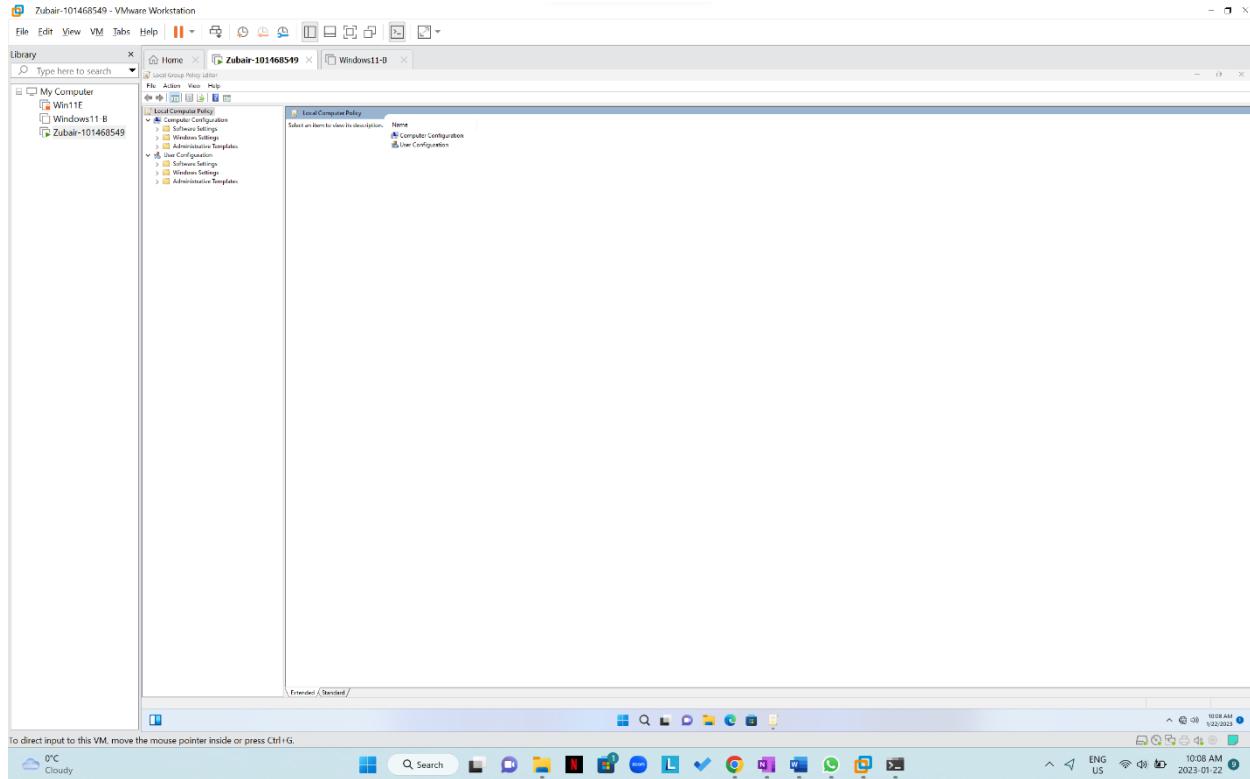


→ This will install a package on the system.

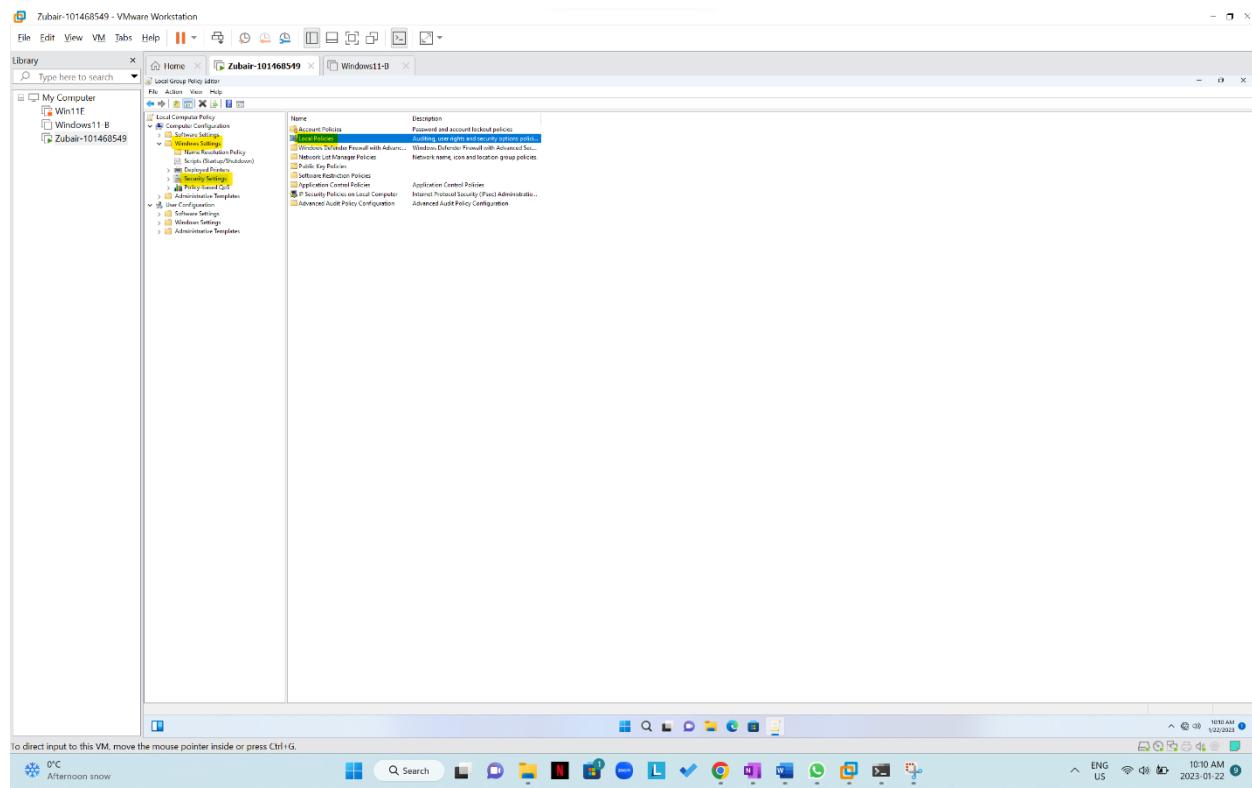


### Task3: Configure Local policies to enforce UAC dialog box and DIM screen.

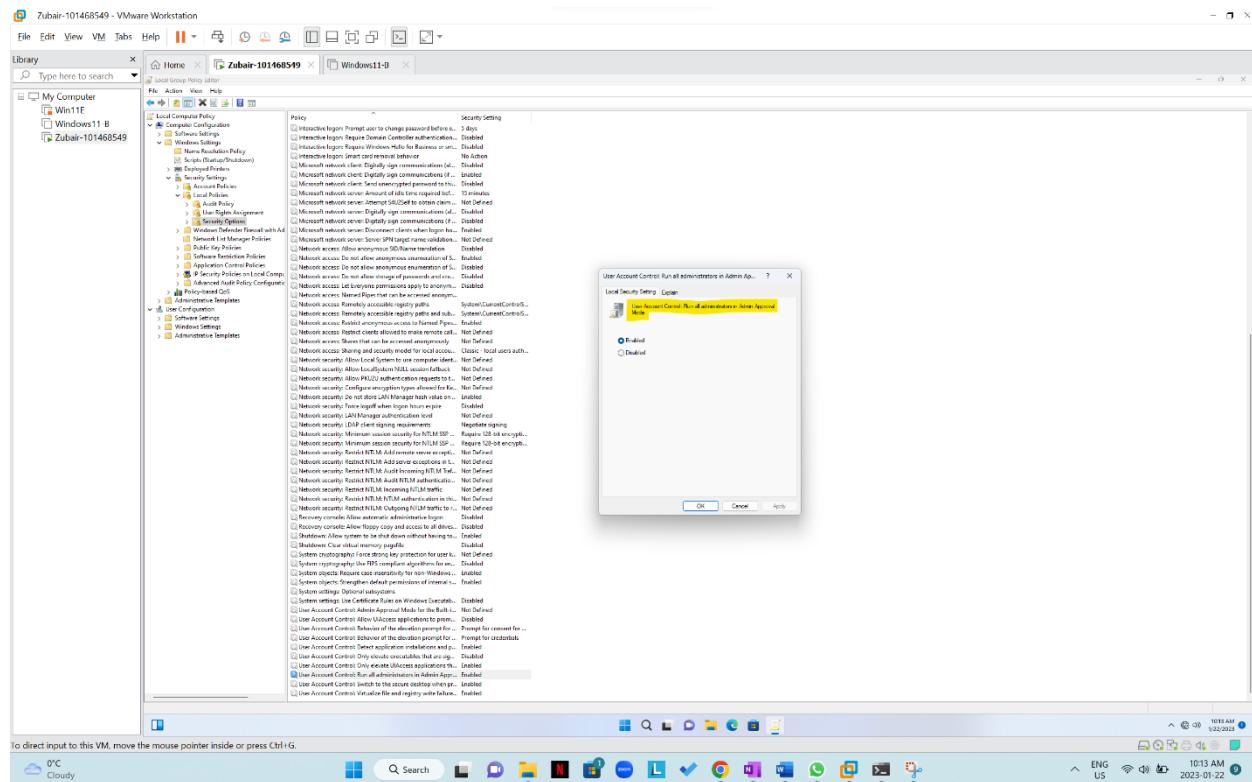
→ To configure the local policies, press Windows + R and type “gpedit.msc”



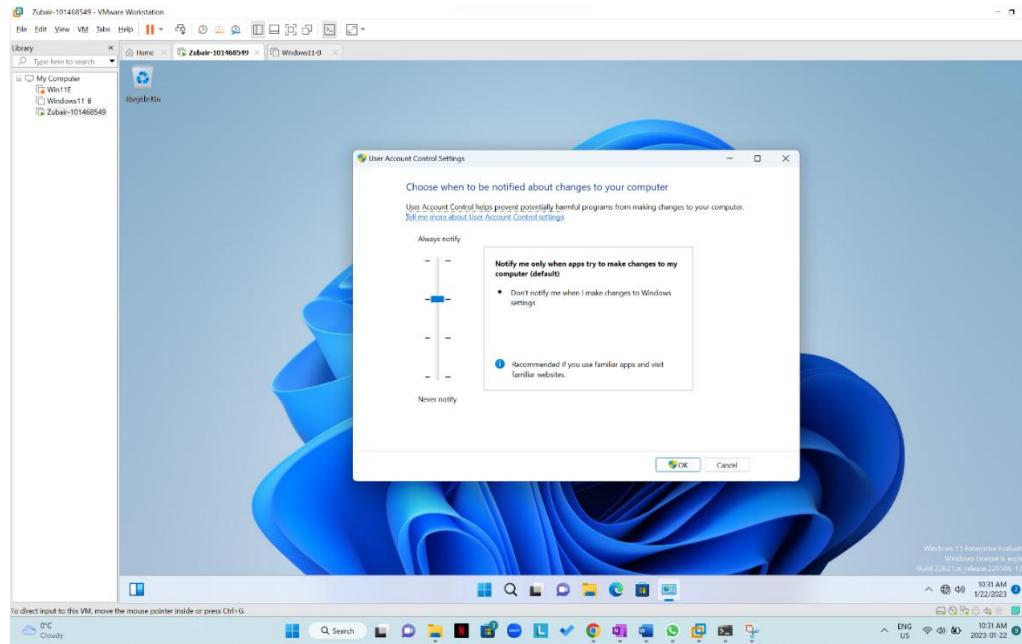
→ Navigate to Windows Setting > Security Setting > Local Policies > “UAC: Run all Administrator files on Admin Approval”.



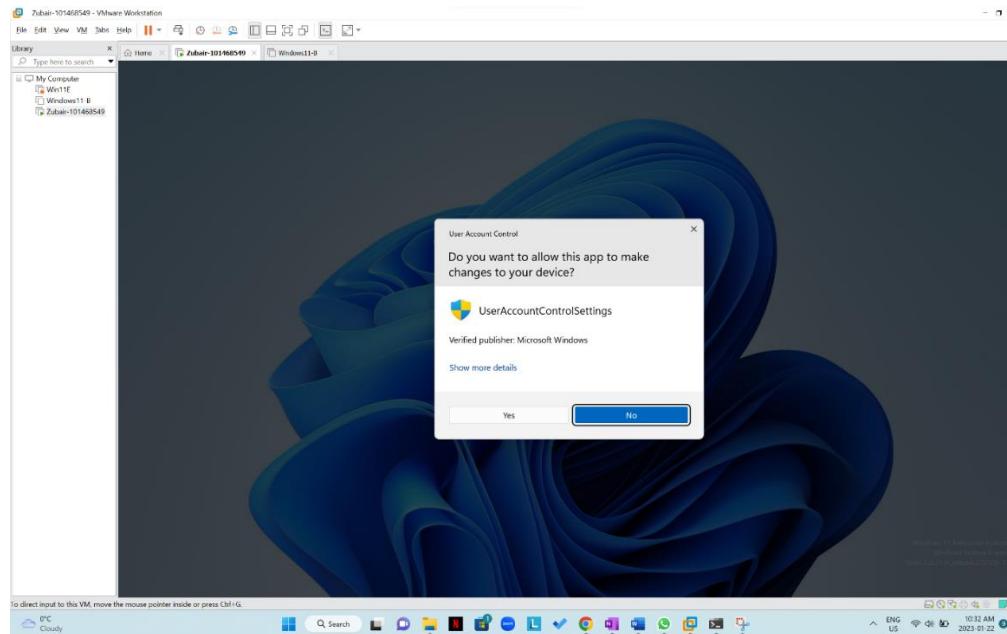
→ Enable the below option.



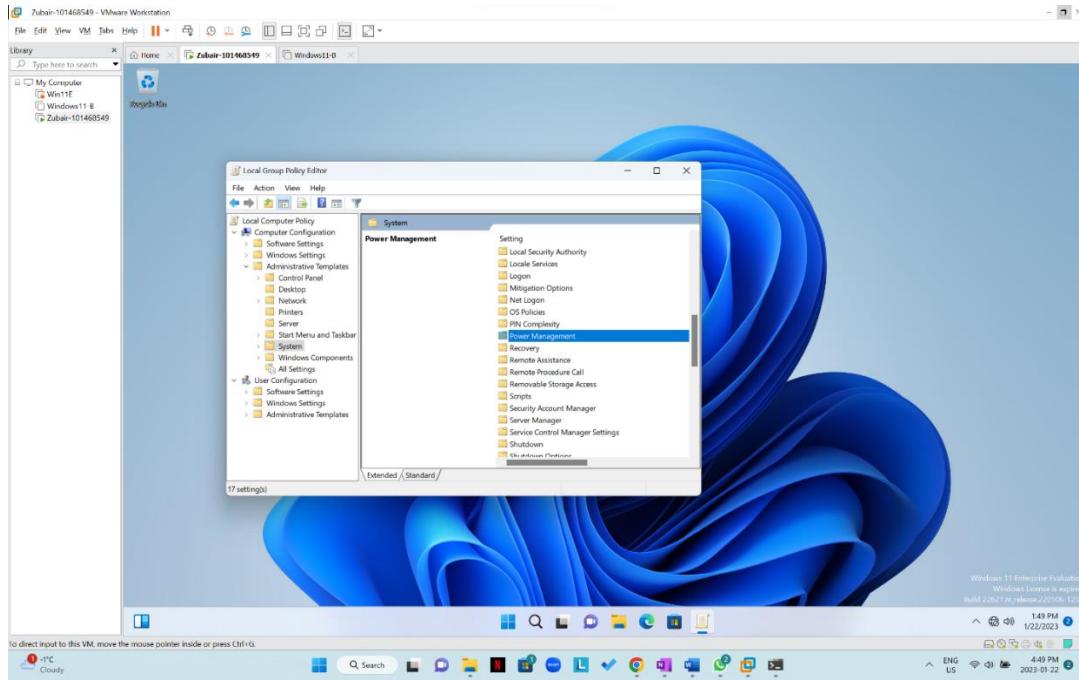
→ Once you complete the above step, go to UAC Settings.



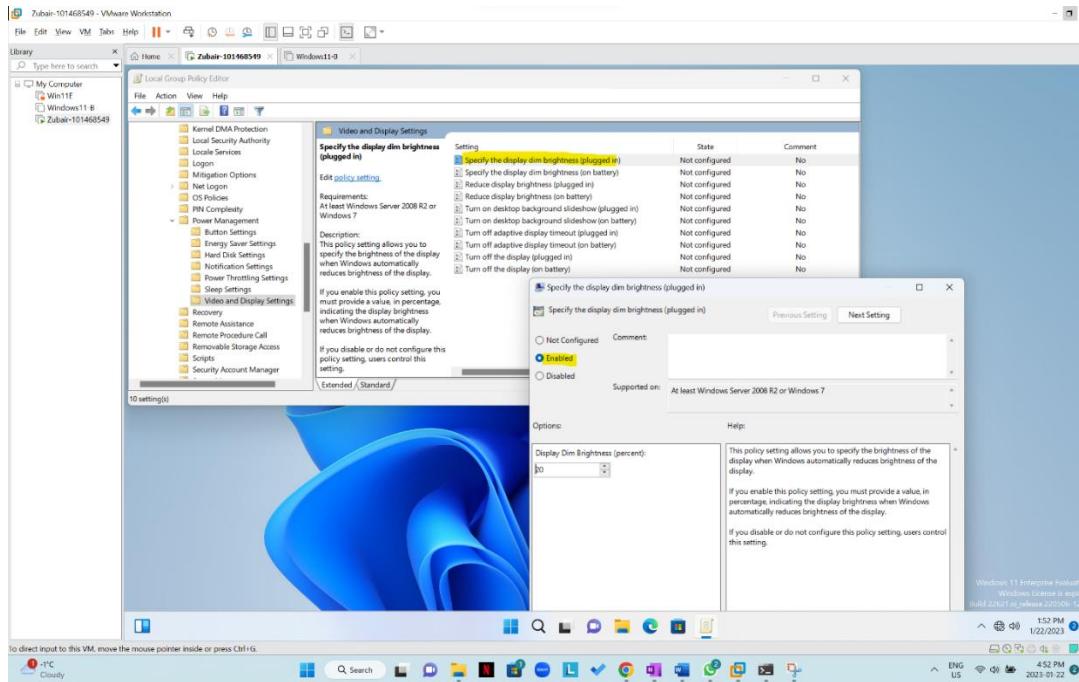
→ Enabling the UAC setting for Admin Approval Mode will pop up a window for confirmation before saving the settings.



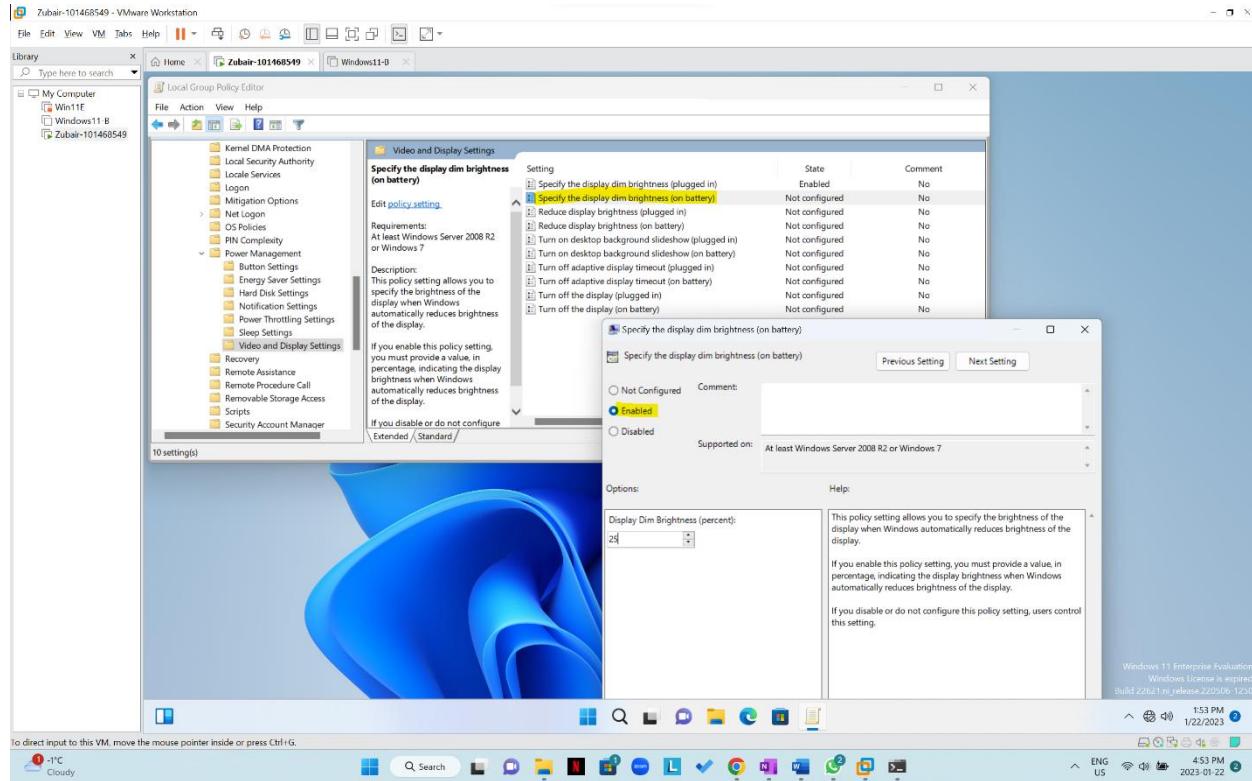
→ Now we make changes to the DIM on Local Group Policy. We navigate to Computer Configuration > Admin Templates > System > Power Management



→ In Power Management, go to Video and Display Settings and enable the “Specify the display dim brightness”.

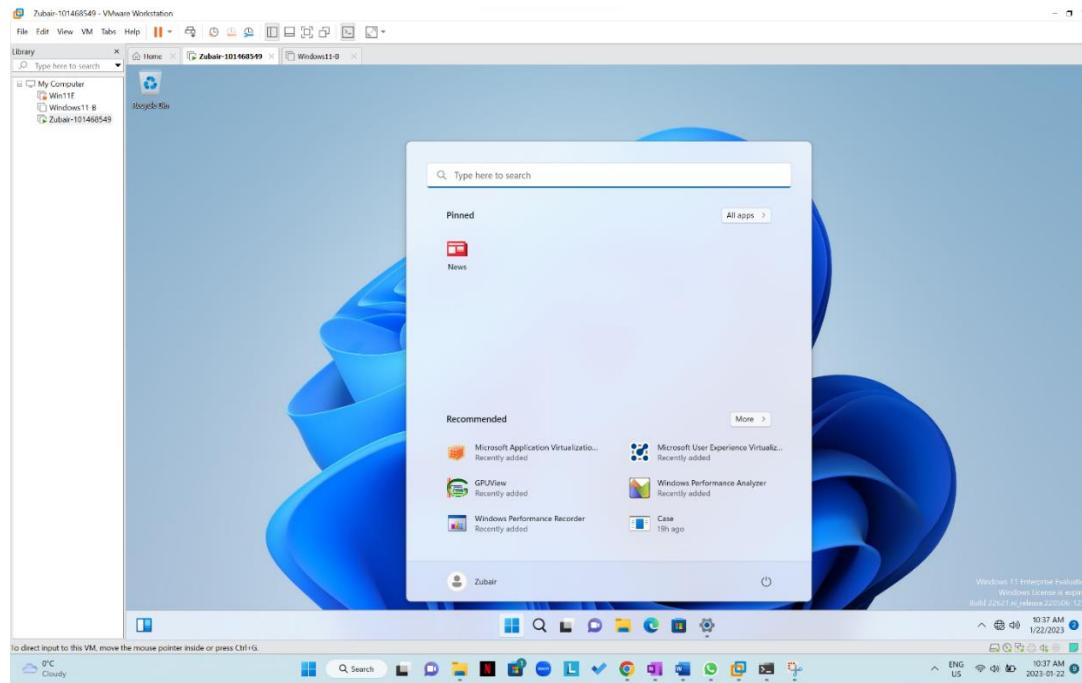


→ Once the display DIM is enabled, it will dim the display as per the specified percentages.

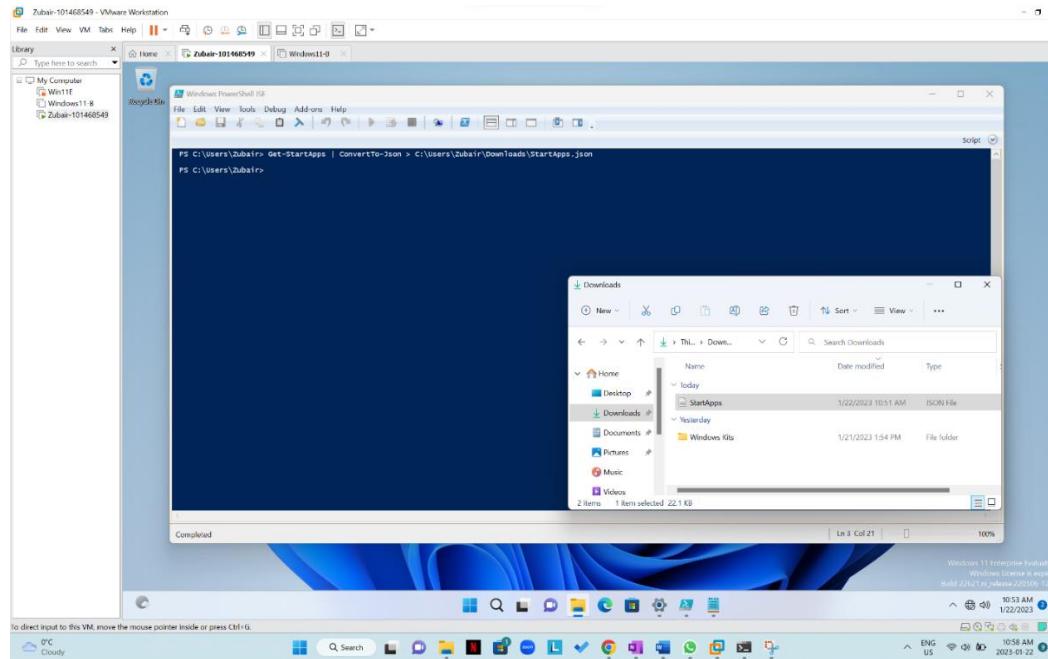


## Task4: Pin Microsoft News app to start menu and export the Taskbar layout.

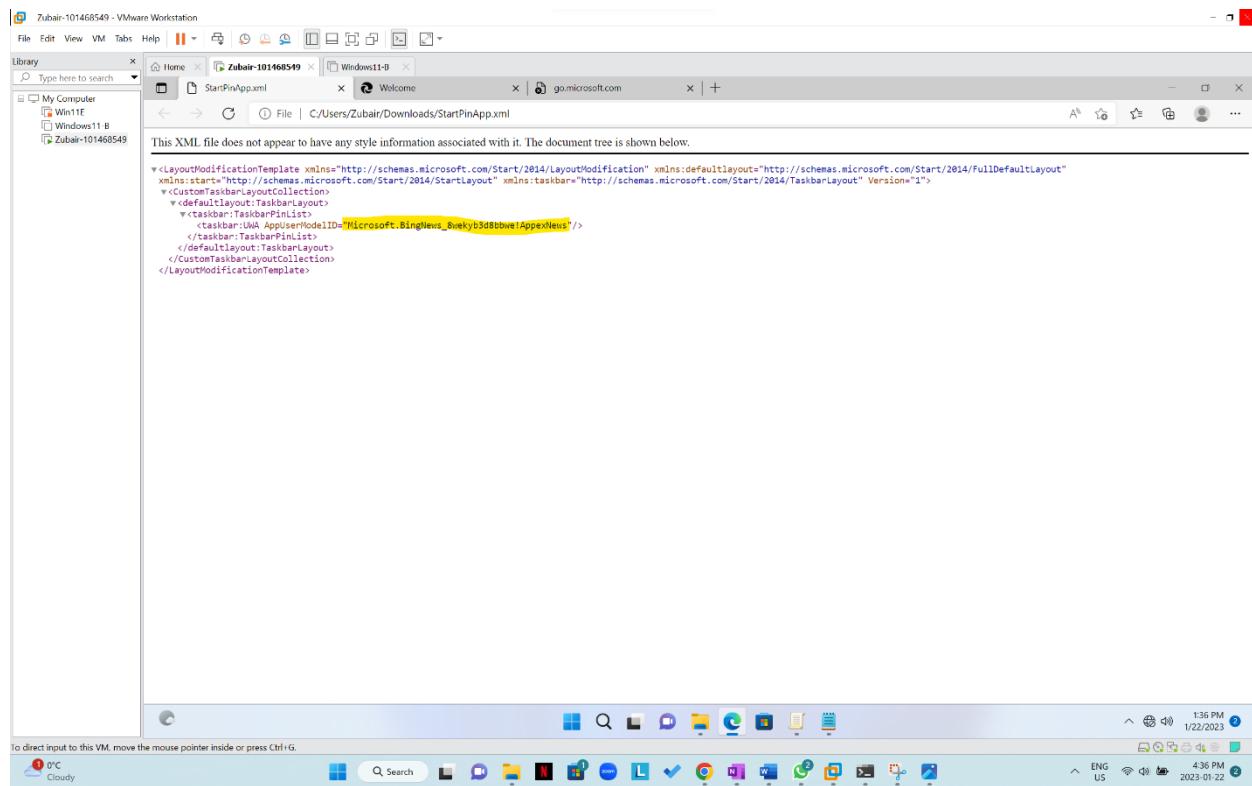
→ Right click on the Microsoft News app and select “Pin to Start”.



→ Using PowerShell, we will export a JSON file which contains the AUMID of Microsoft News.



→ Create an XML file where we enter the app ID on TaskbarPinList.

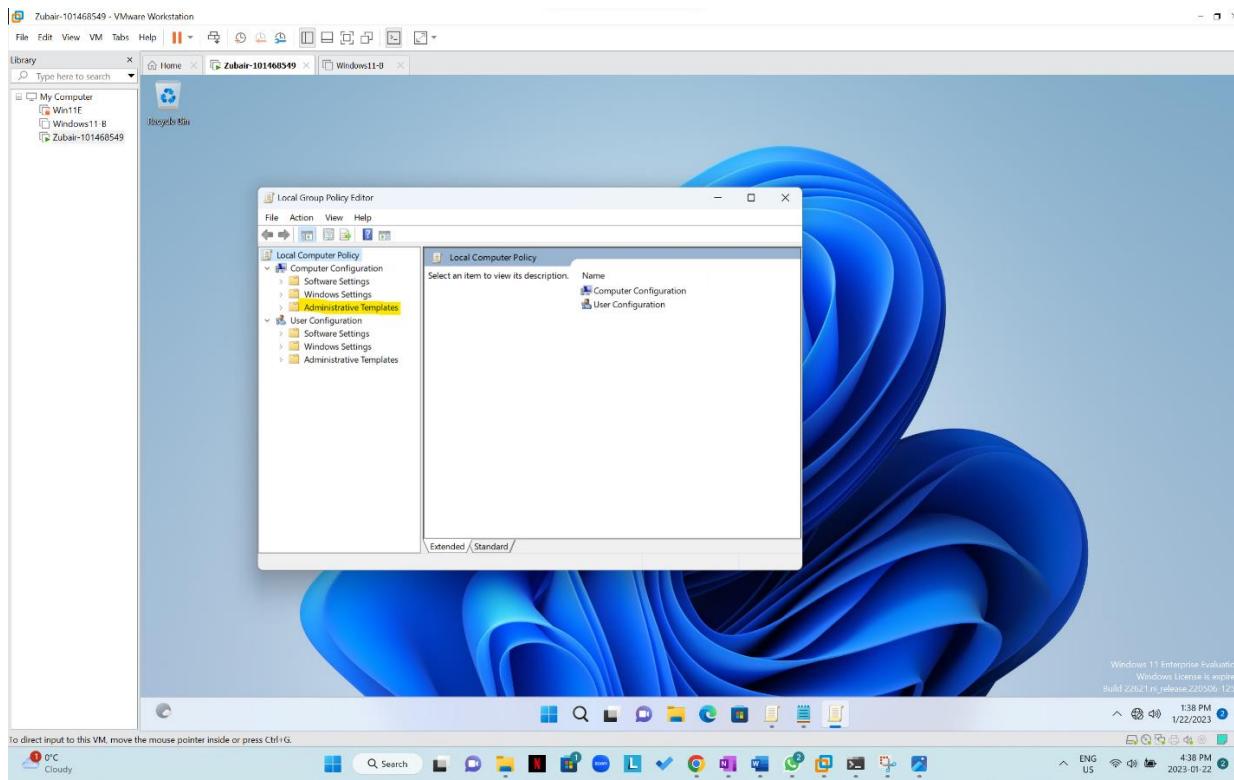


The screenshot shows a Windows 11 desktop environment. In the foreground, a file editor window is open, displaying an XML file named StartPinApp.xml. The XML code is as follows:

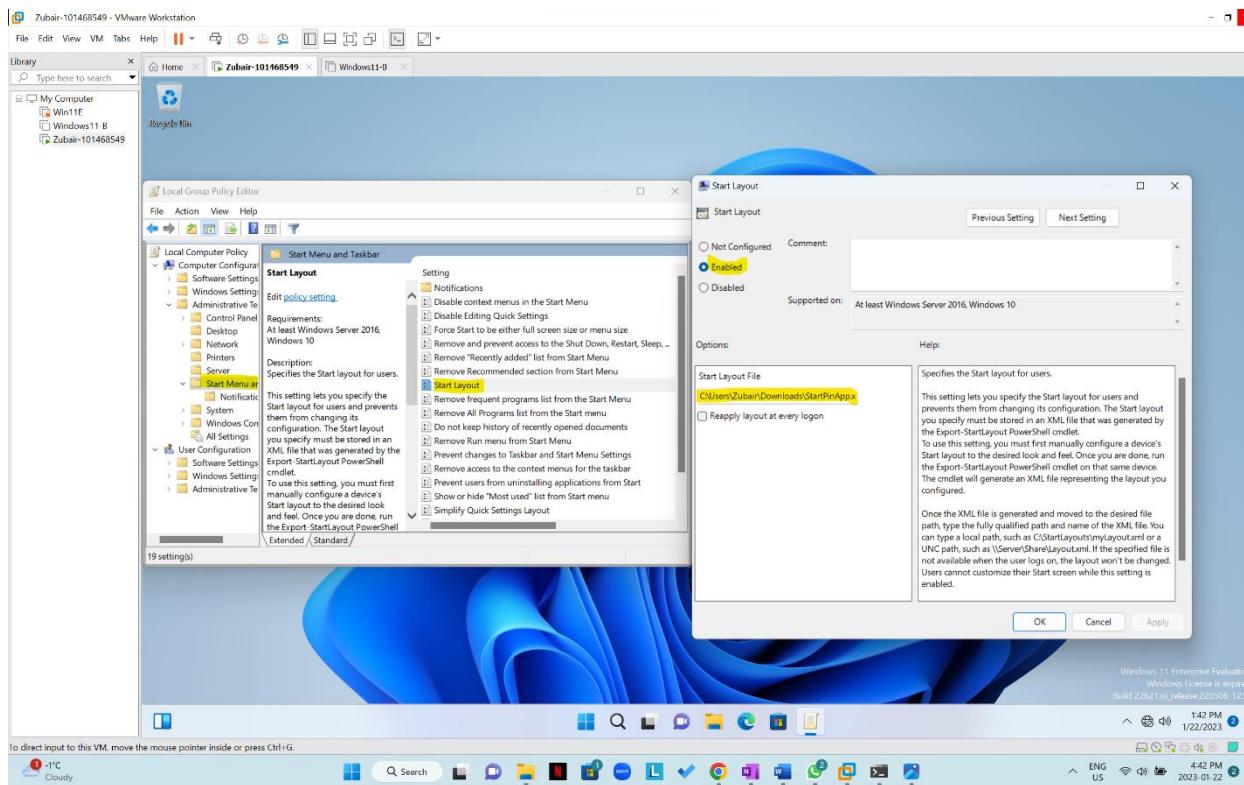
```
<?xml version="1.0" encoding="utf-8"?>
<LayoutModificationTemplate xmlns="http://schemas.microsoft.com/Start/2014/LayoutModification" xmlns:defaultLayout="http://schemas.microsoft.com/Start/2014/FullDefaultLayout"
  xmlns:taskbar="http://schemas.microsoft.com/Start/2014/StartLayout" xmlns:taskbarLayout="http://schemas.microsoft.com/Start/2014/TaskbarLayout" Version="1">
  <CustomTaskbarLayoutCollection>
    <DefaultLayout:TaskbarLayout>
      <taskbar:TaskbarPinList>
        <taskbar:TaskbarPinItem id="Microsoft.BingNews_8wkyb3d8Dbw!AppxManifest"/>
      </taskbar:TaskbarPinList>
    </DefaultLayout:TaskbarLayout>
  </CustomTaskbarLayoutCollection>
</LayoutModificationTemplate>
```

The taskbar pin item ID "Microsoft.BingNews\_8wkyb3d8Dbw!AppxManifest" is highlighted in yellow. The background shows the Windows 11 Start menu, a Microsoft Edge browser window, and a system tray with icons for weather, search, and system status.

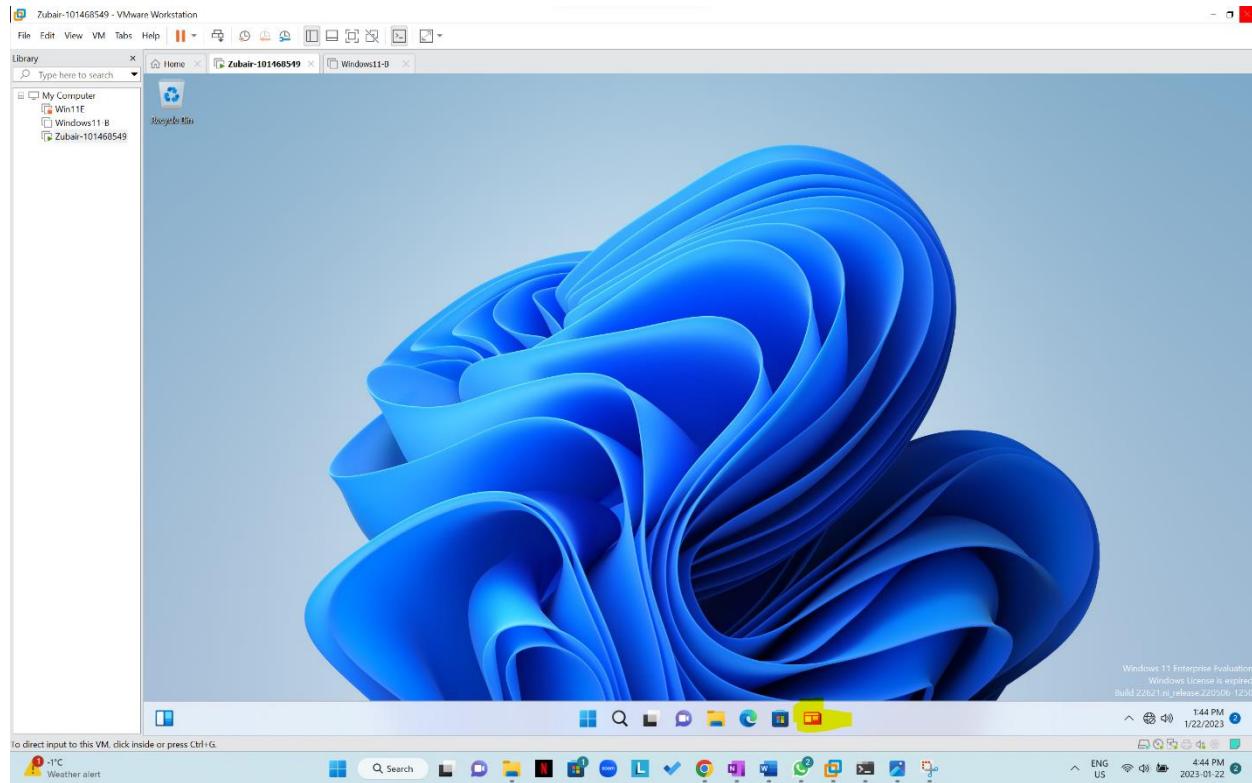
→ Go to Local Group Policy Editor > Administrative Template



→ Start Menu and Taskbar > Start Layout. Enable the start layout and paste the path of your XML file (make sure to remove "").



→ Restart your system for the changes to take place. You see the Microsoft News App pinned on the taskbar.



## Task5: Use PowerShell to set Static IP address “192.168.168.101/24”

- First, we check the current IP address which shows- 190.168.37.132. Now we search for our NetAdapter on our virtual machine which says “Ethernet0”. Using the command NETSH, we set the IP address to 192.168.168.101 and the Subnet Mask as 255.255.255.0.
- We verify our changes using ipconfig.

```
Zubair-101468549 - VMware Workstation
File Edit View VM Help
Administrator: Windows PowerShell (d66)
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Windows\system32> ipconfig

Windows IP Configuration

Ethernet adapter Ethernet0:

  Connection-specific DNS Suffix . : localdomain
  Link-local IPv6 Address . . . . . : fe80::4cfc:3b54:12c4:32e7%8
  IPv4 Address . . . . . : 192.168.37.132
  Subnet Mask . . . . . : 255.255.255.0
  Default Gateway . . . . . :
  PS C:\Windows\system32> Get-NetAdapter

Name           InterfaceDescription      ifIndex Status      MacAddress      LinkSpeed
----           ----
Ethernet0       Intel(R) 82574L Gigabit Network Conn...     8 Up          00-0C-29-09-68-28      1 Gbps

PS C:\Windows\system32> netsh interface ip set address "Ethernet0" static 192.168.168.101 255.255.255.0
PS C:\Windows\system32> ipconfig

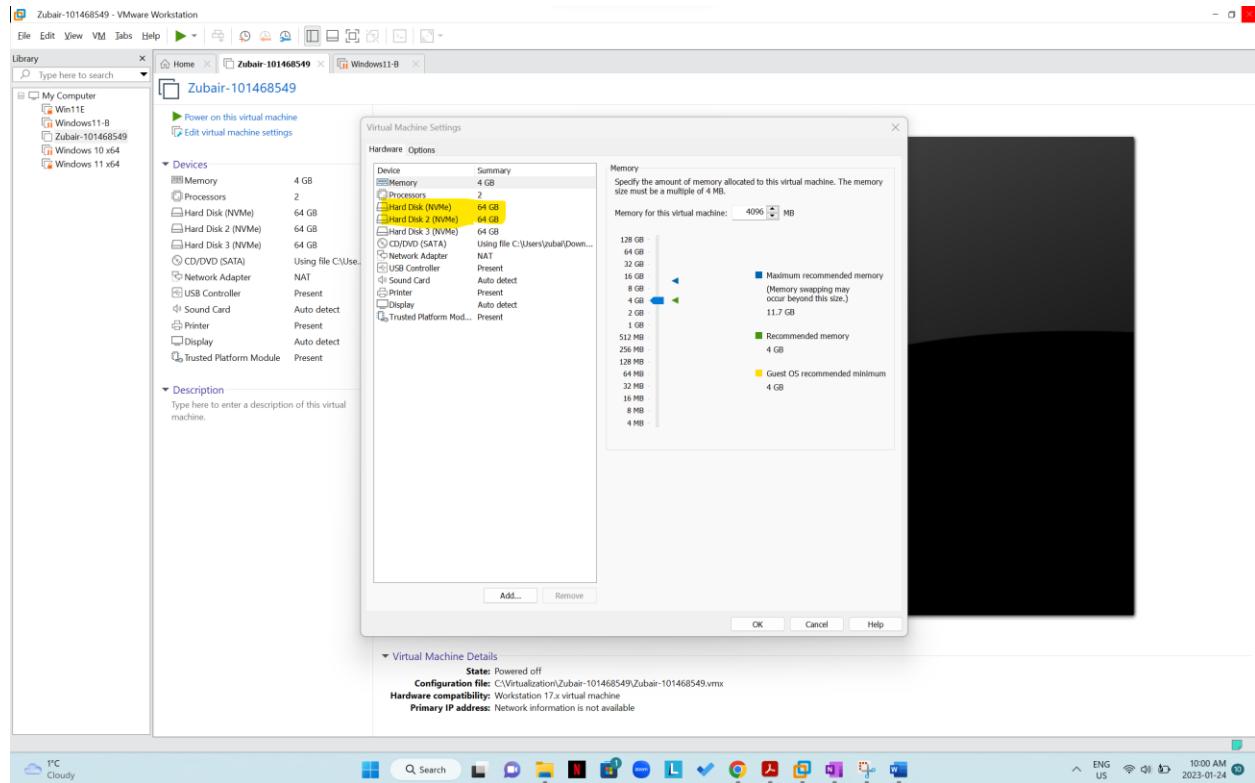
Windows IP Configuration

Ethernet adapter Ethernet0:

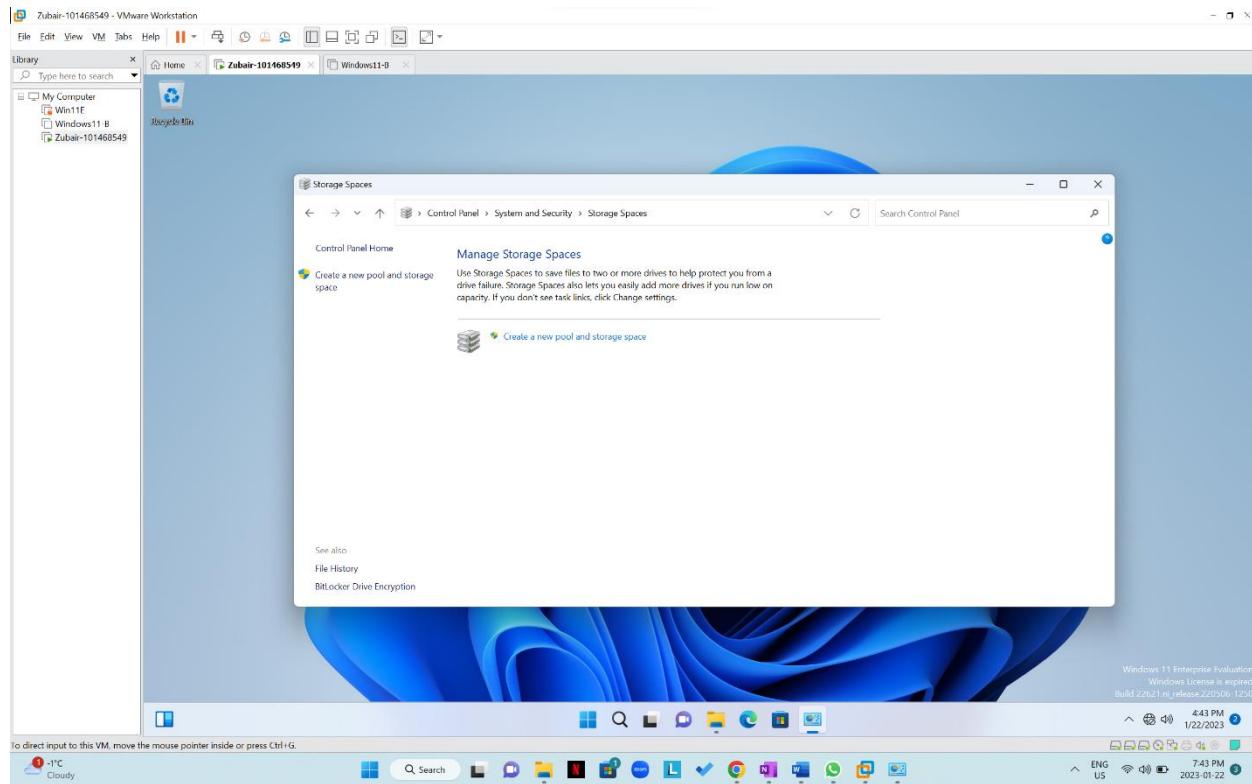
  Connection-specific DNS Suffix . :
  Link-local IPv6 Address . . . . . : fe80::4cfc:3b54:12c4:32e7%8
  IPv4 Address . . . . . : 192.168.168.101
  Subnet Mask . . . . . : 255.255.255.0
  Default Gateway . . . . . :
  PS C:\Windows\system32> netsh interface ip set address "Ethernet0" static 192.168.168.101/24 255.255.255.0
PS C:\Windows\system32> ipconfig
```

## Task6: Create a storage space with 2-way mirror (size is not important)

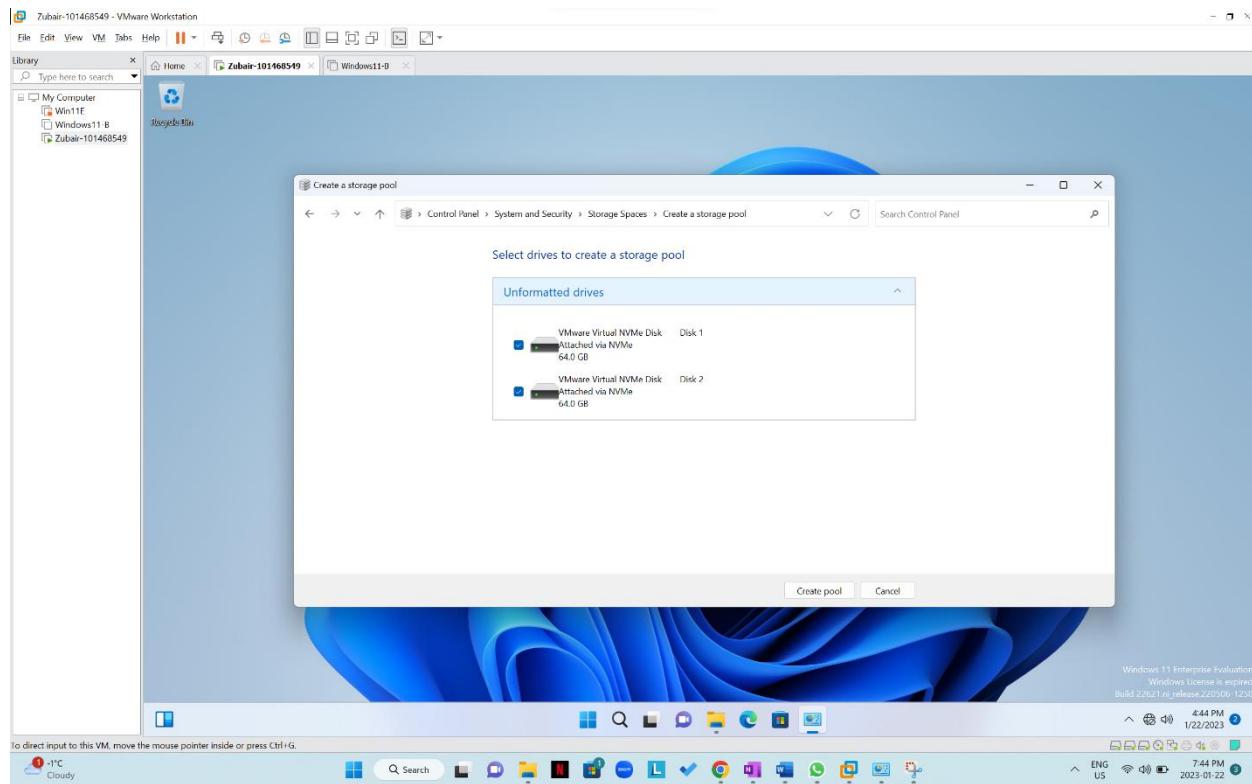
→ To start with this, we will create two new HardDisks on our virtual machine.



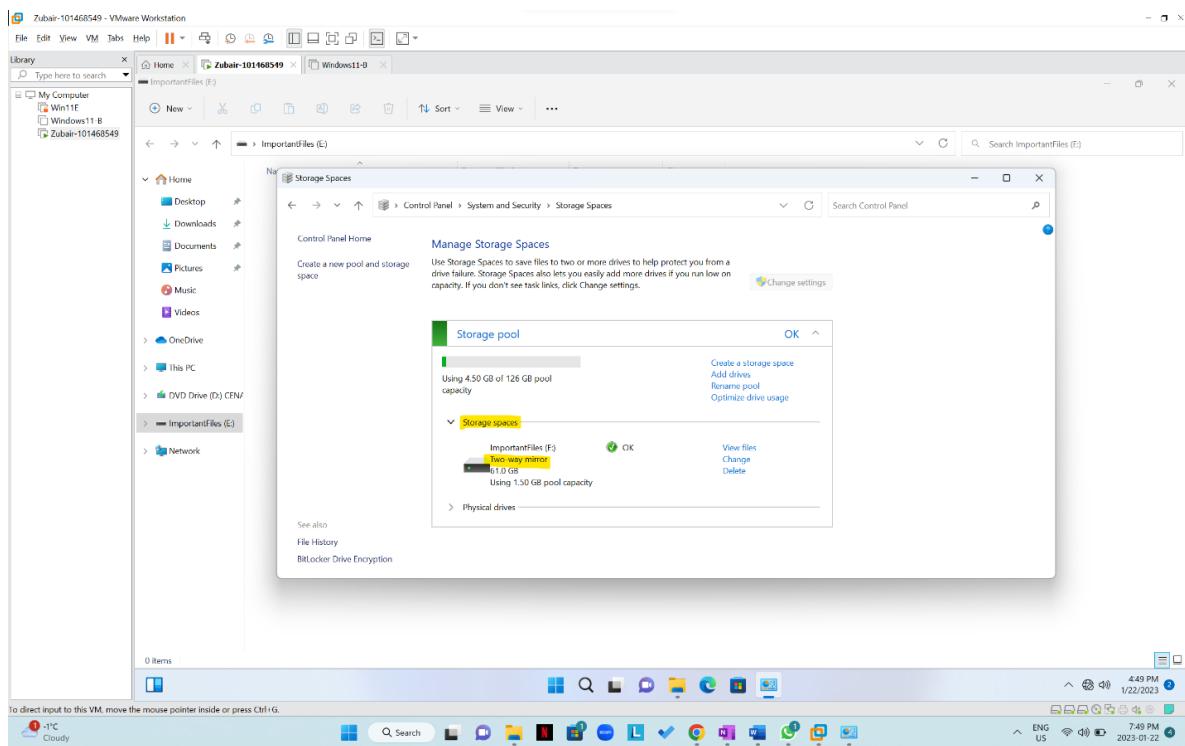
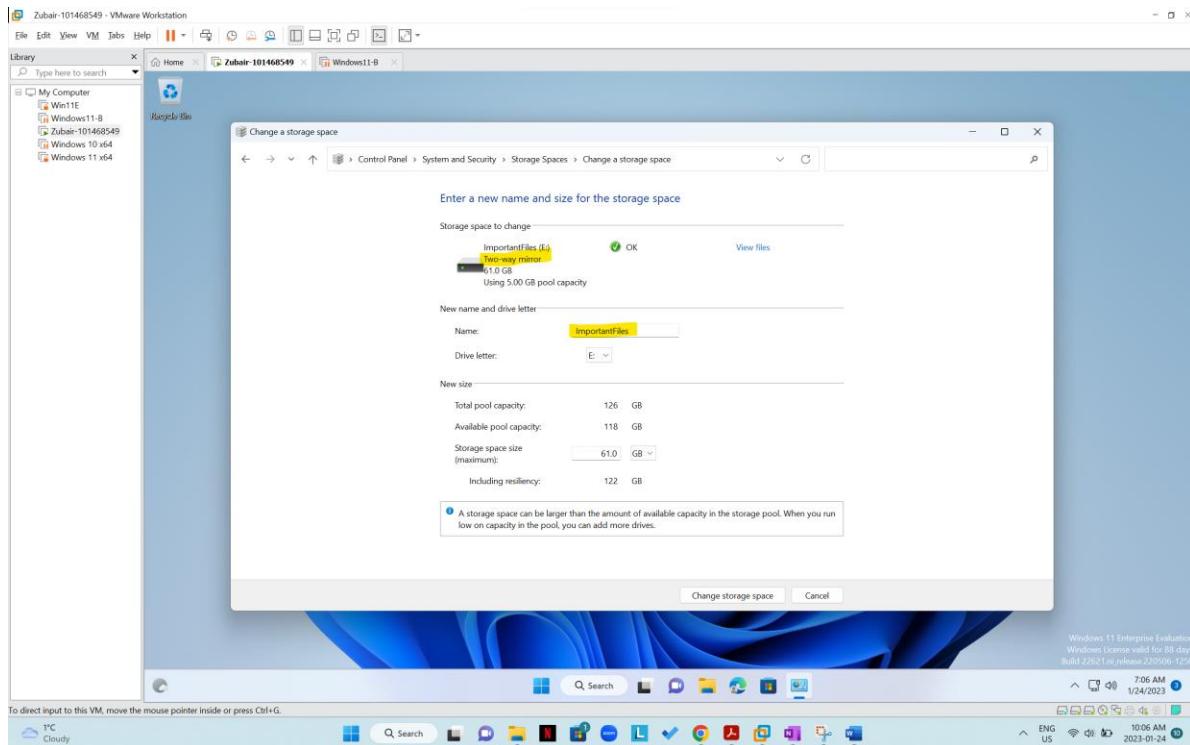
→ Go to Manage Storage and click on Create a new pool and Storage Space

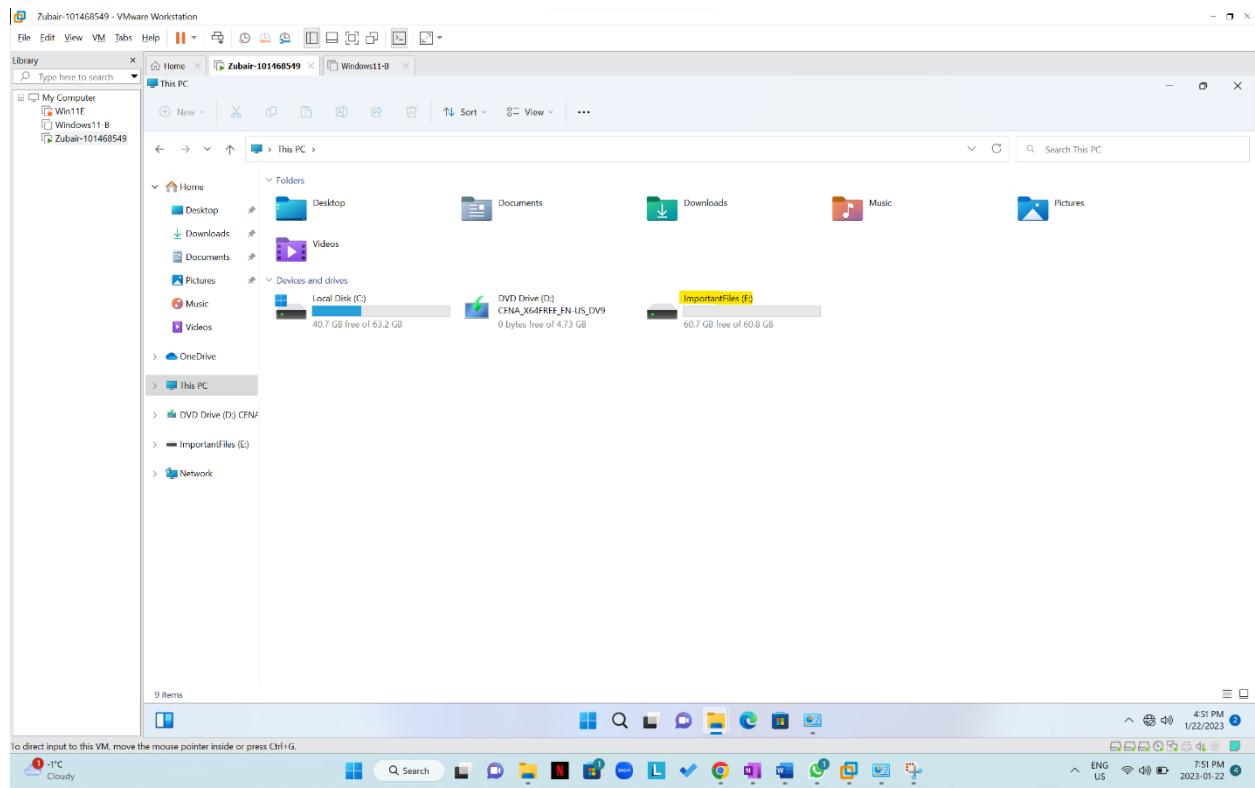


→ Select the available disk that we created before.



→ We create the storage pool and then create a storage space as a Two-way Mirror. We name it ImportantFiles and check the allocated space.

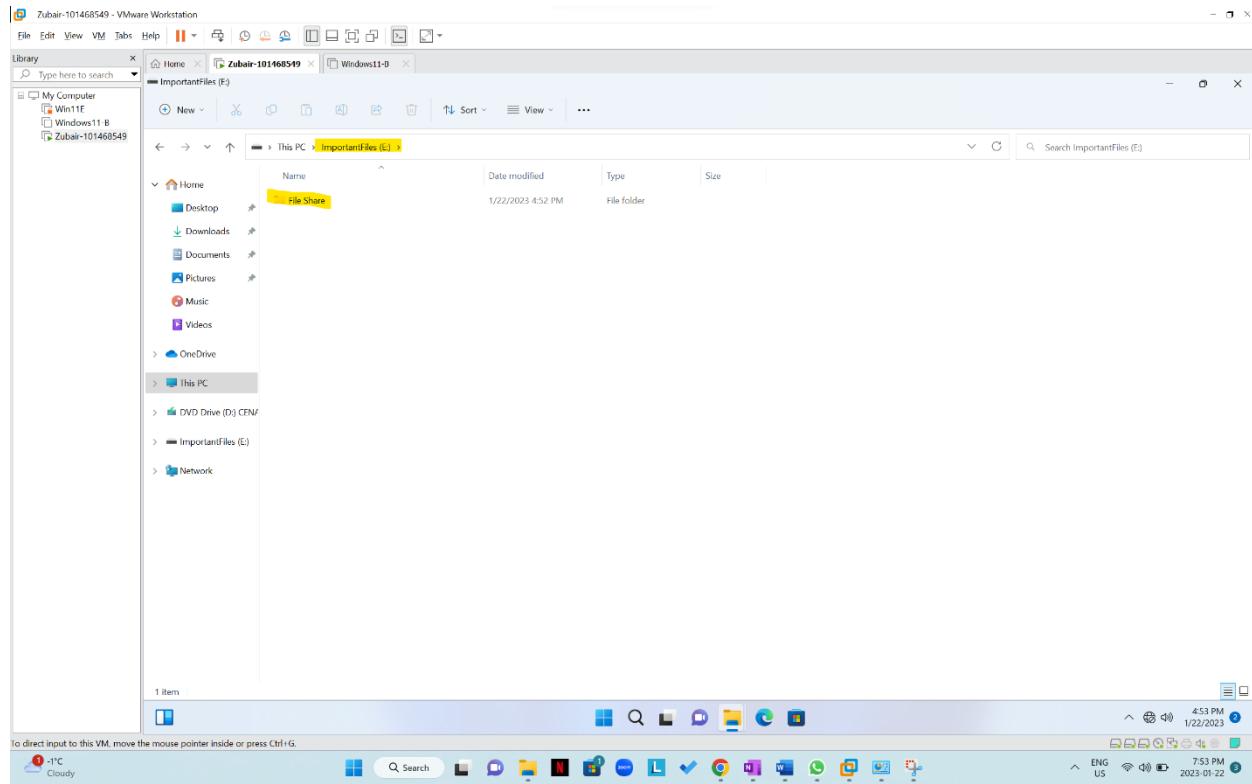




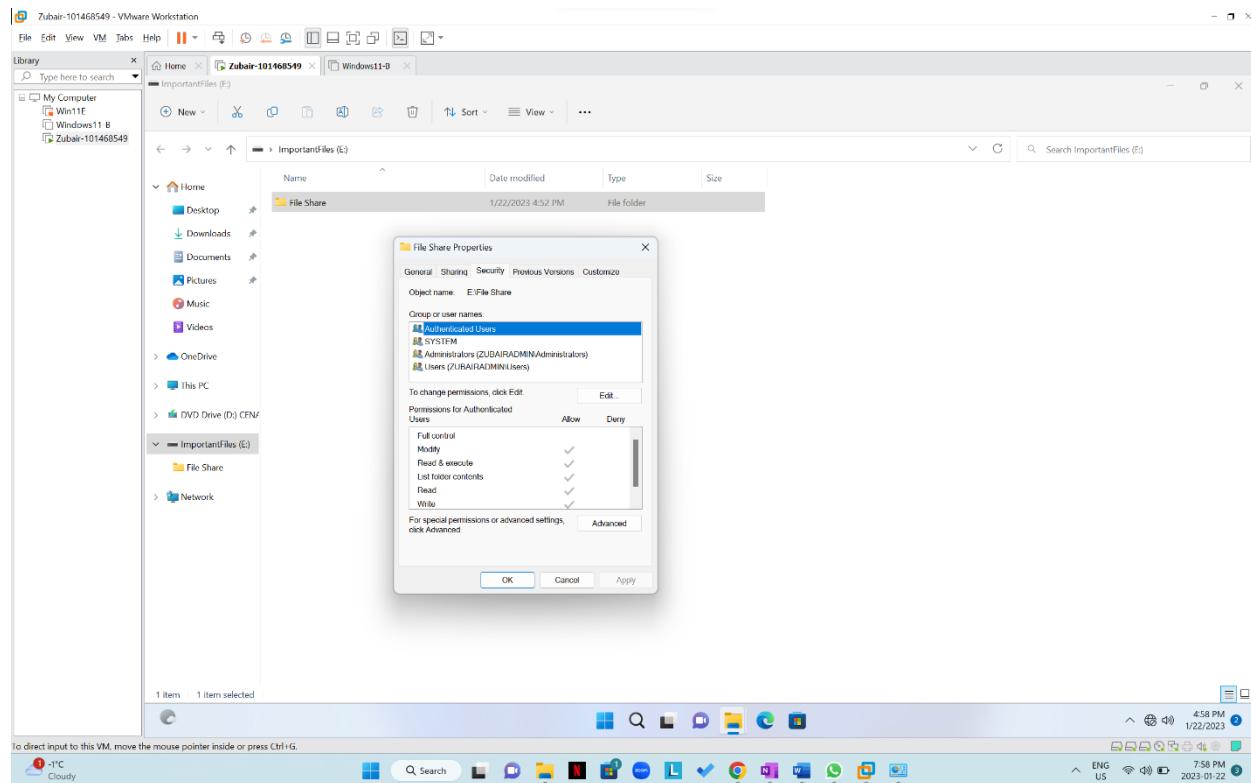
**Task7: On the storage space created on the previous task, create a new folder called “File Share” and change the permissions as below:**

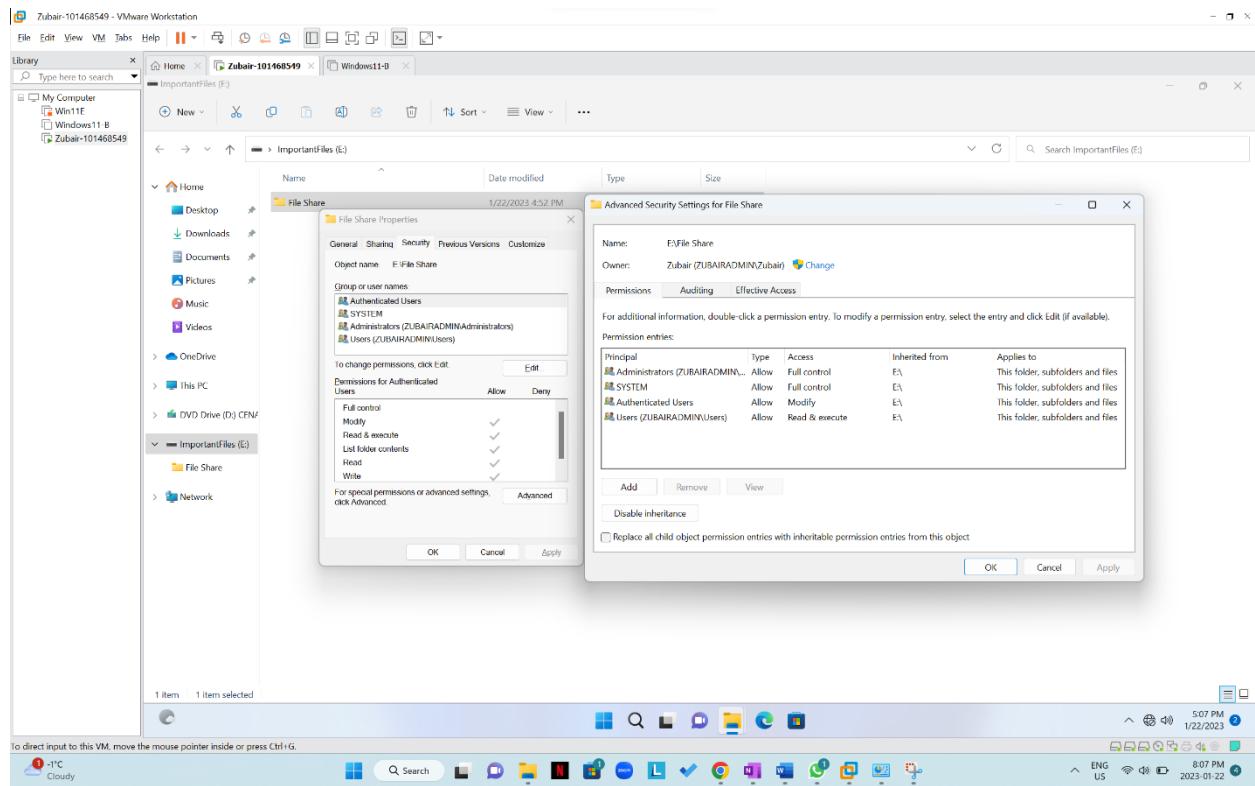
- a. Authenticated users -> read only
  - b. Administrators -> Full Control

→ On the drive **ImportantFiles**, we create a folder named, **File Share**

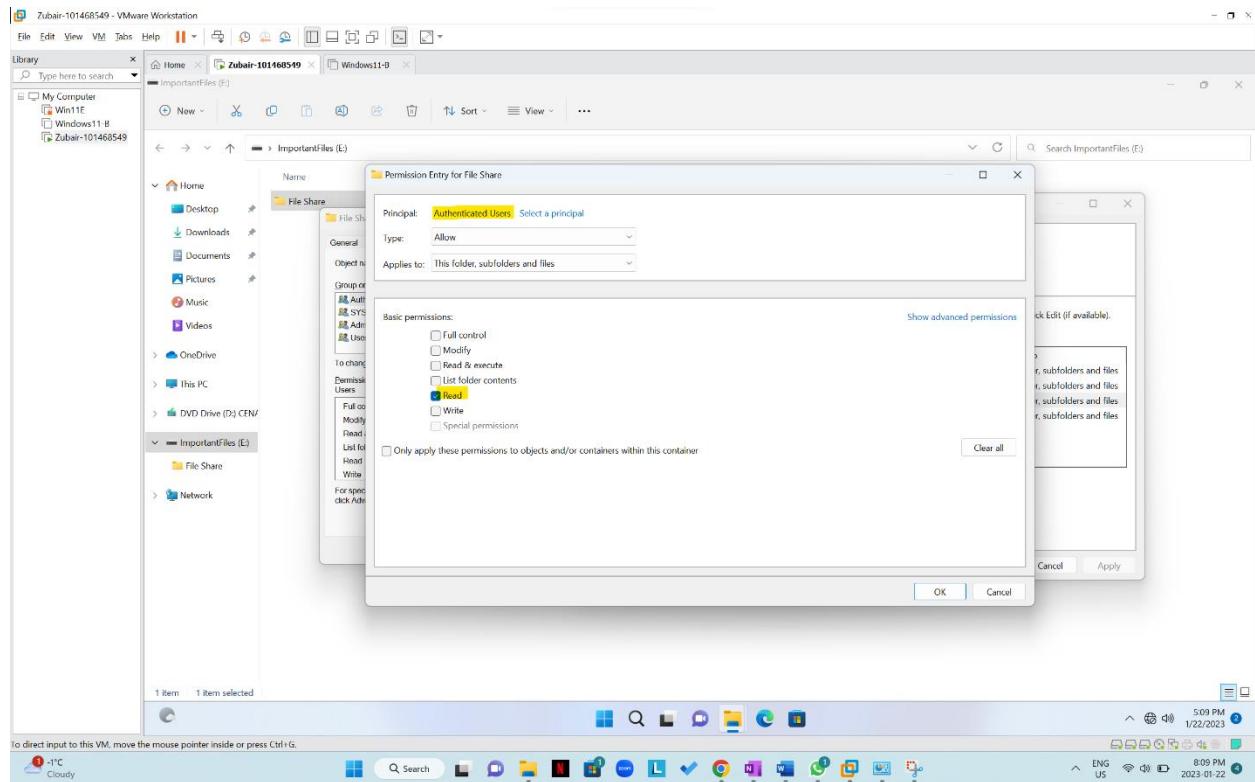


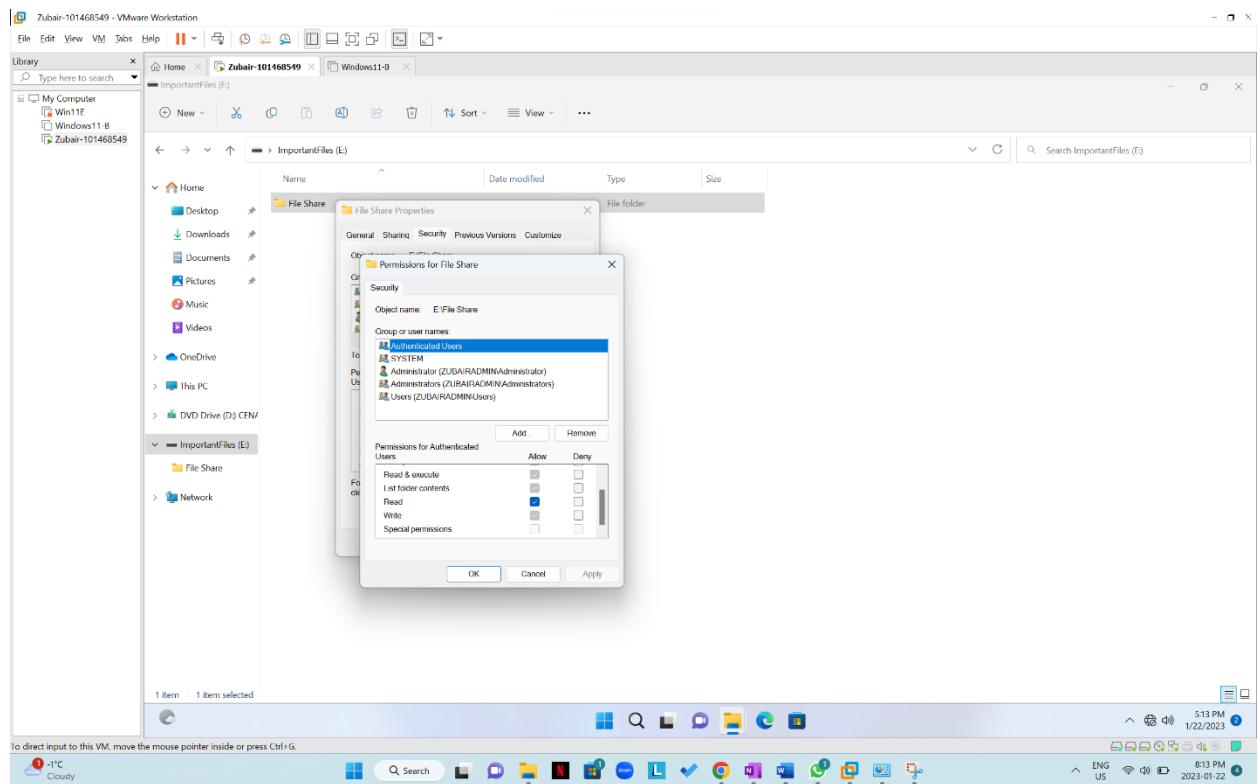
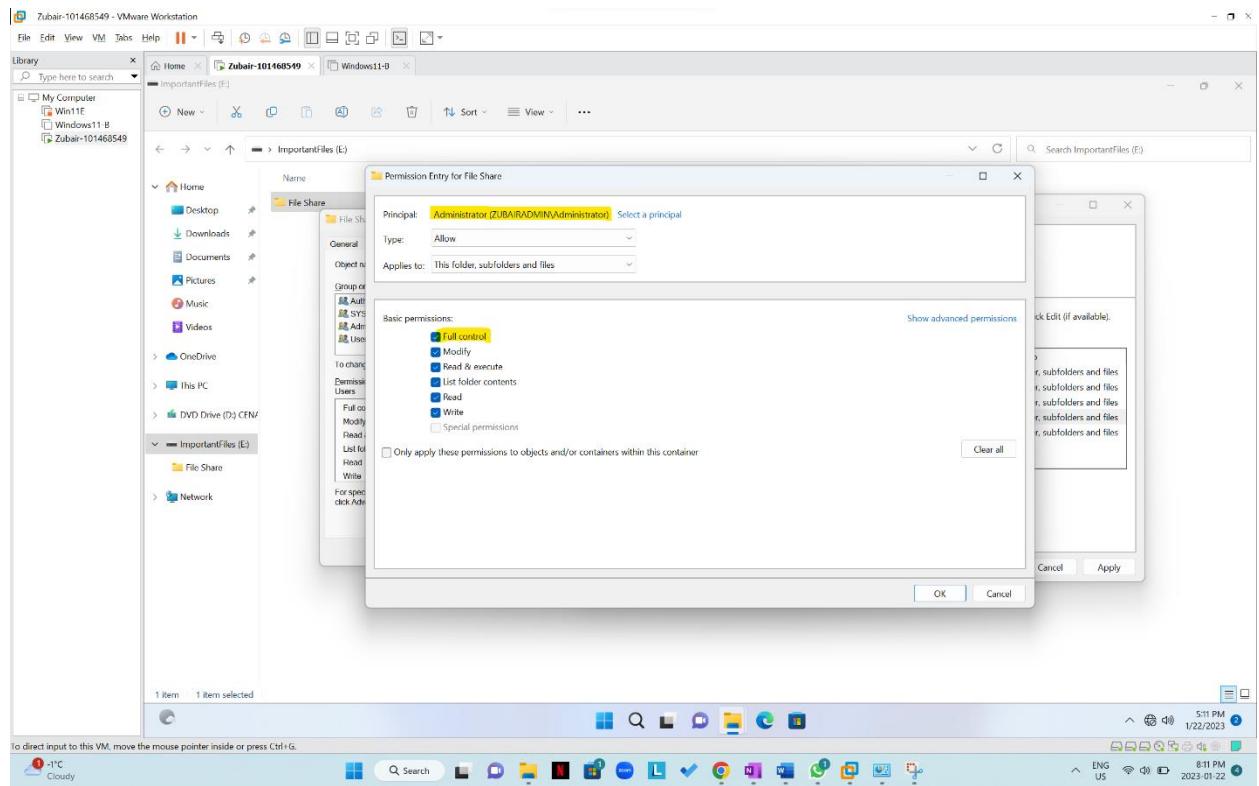
→ To give read only access to Authenticated Users and full control to the Administrator, we go to Properties > Security > Advanced

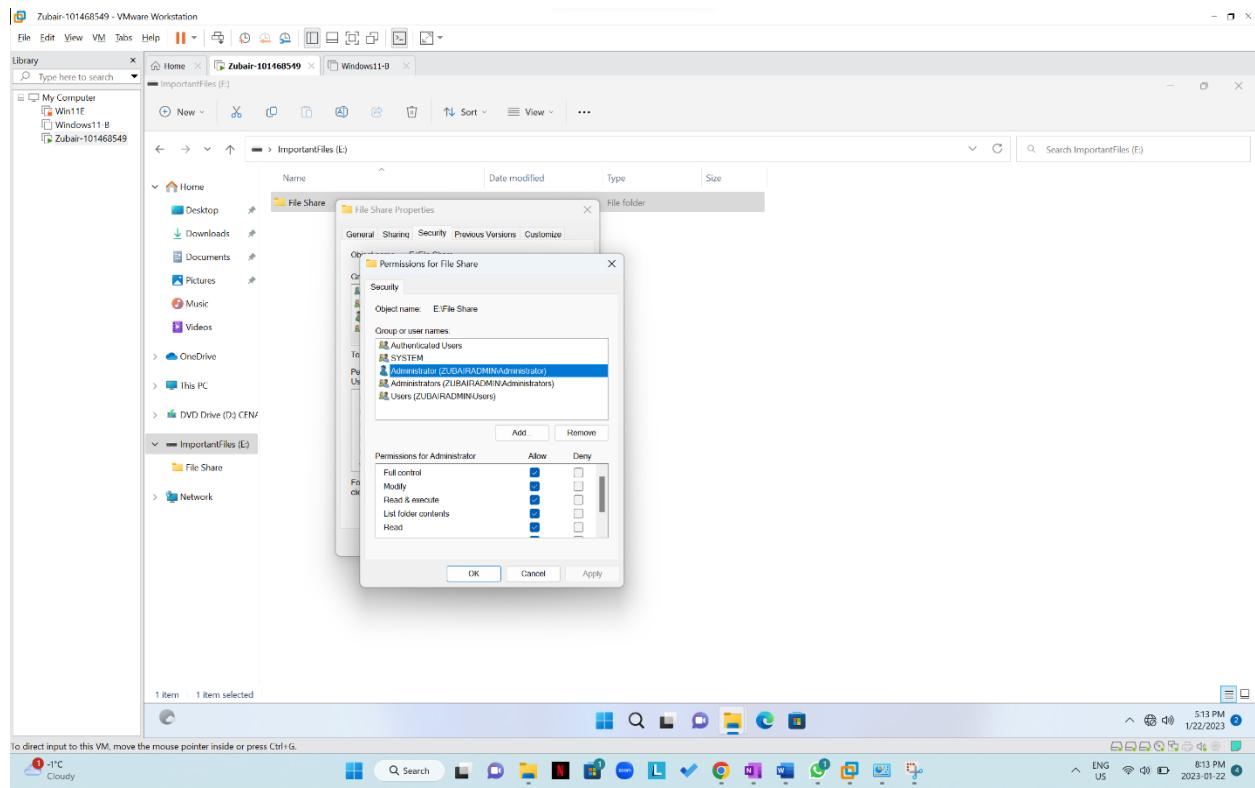




→ We click on “Add” and select the Principal as Authenticated Users, Type as Allow



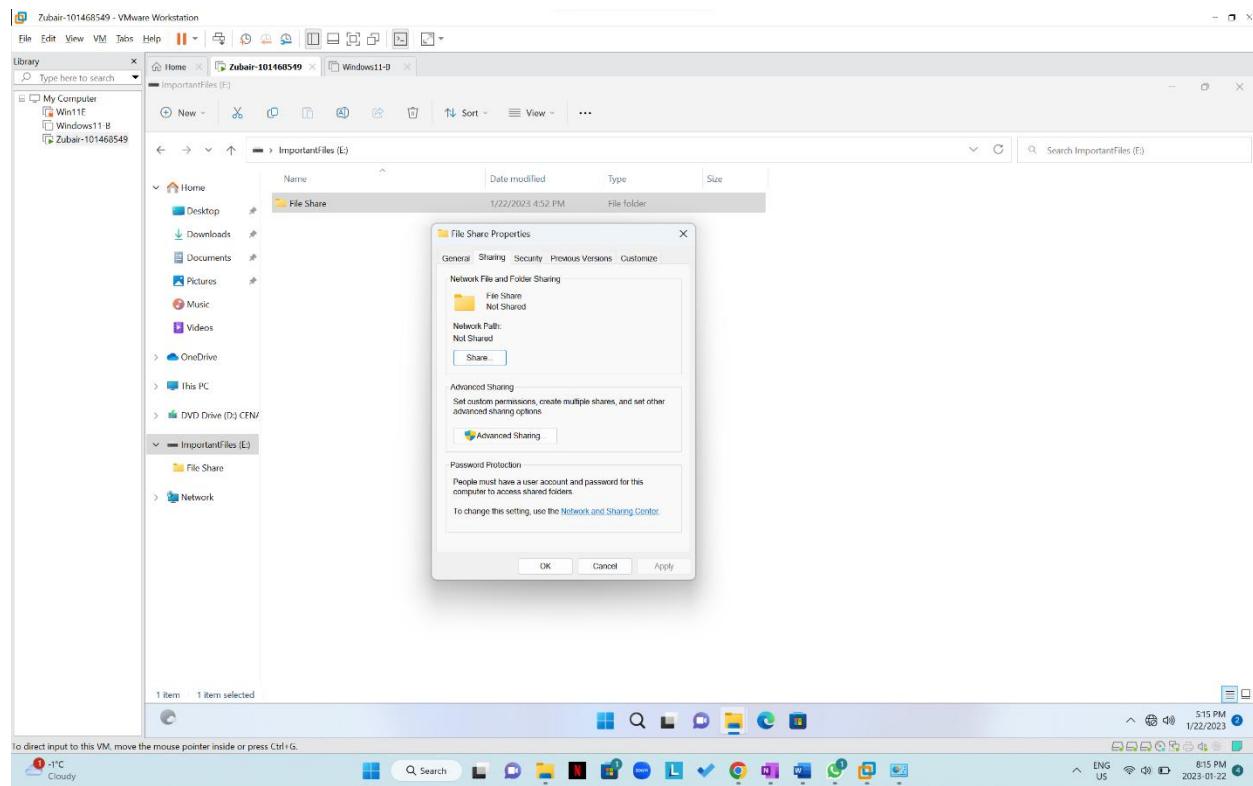


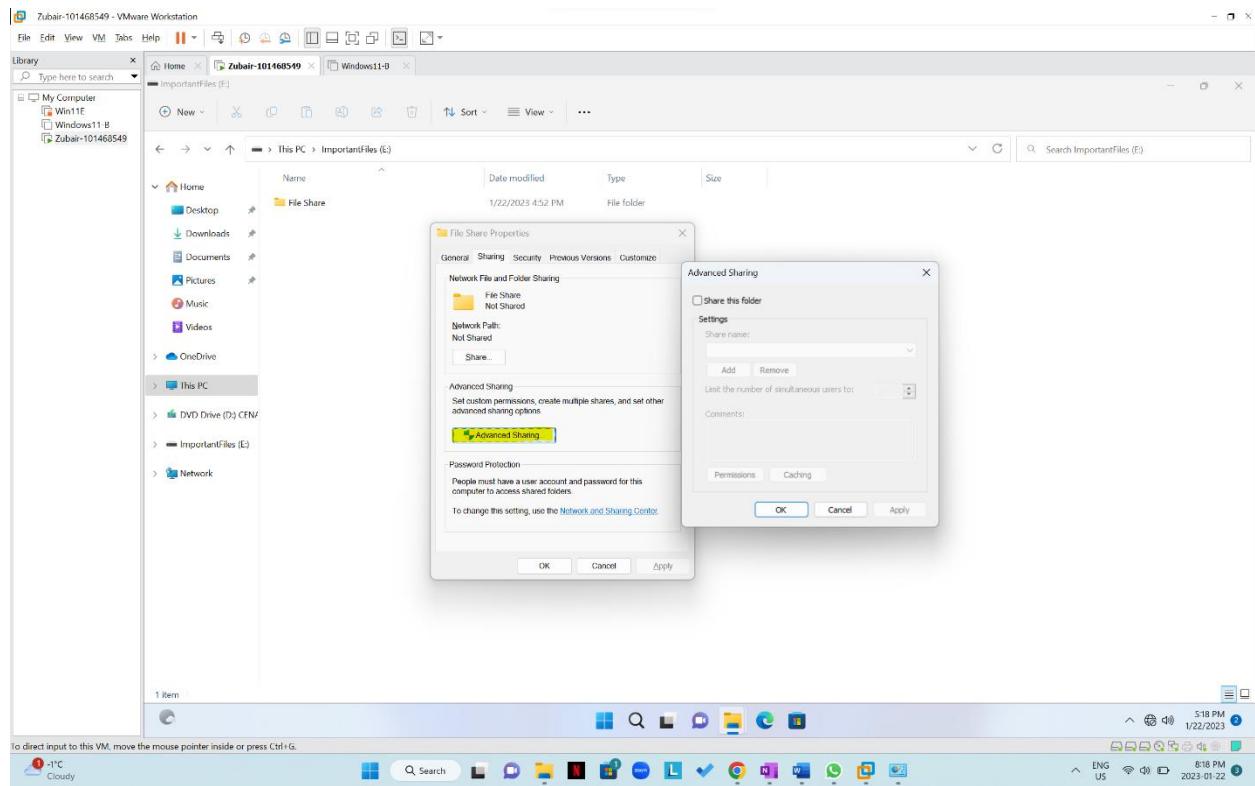


**Task8: Share the folder created above with permissions as below:**

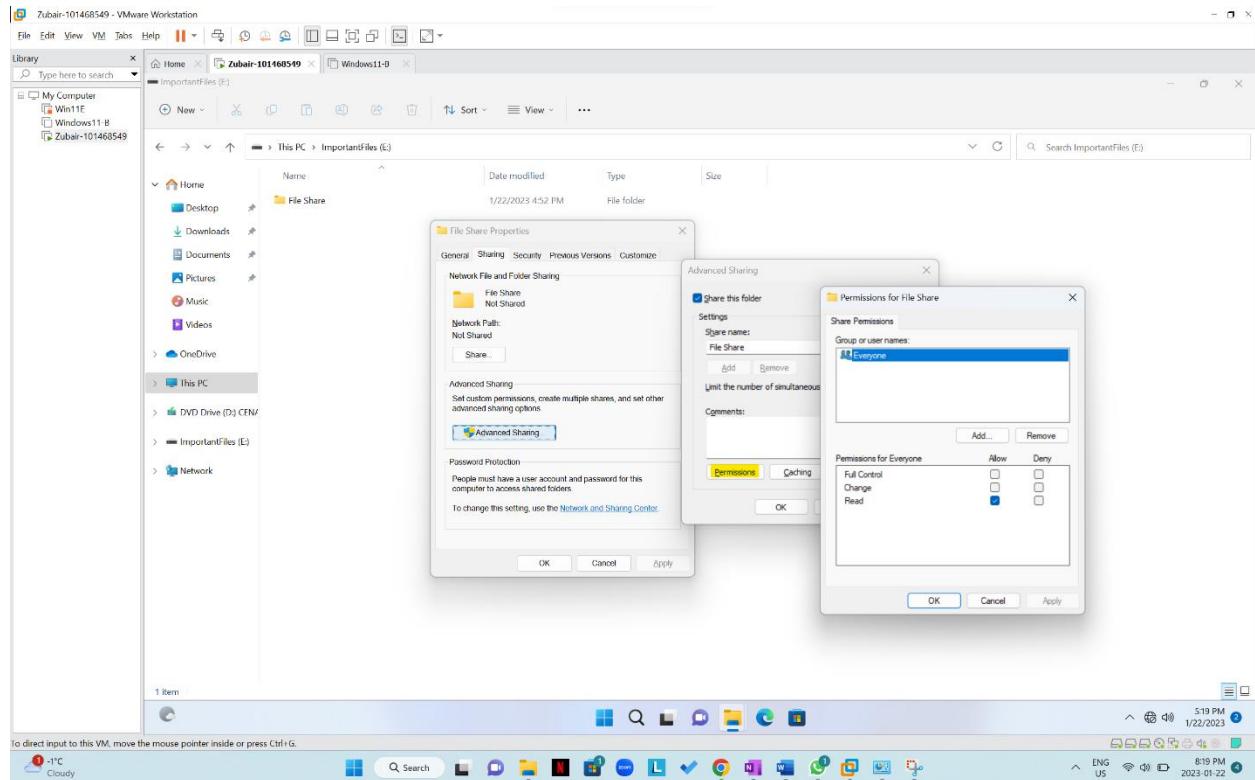
- a. Everyone -> Read
- b. Administrators -> Full Control

→ Now we will restrict the Sharing capabilities of Everyone to read. Go to Properties > Sharing > Advance Sharing

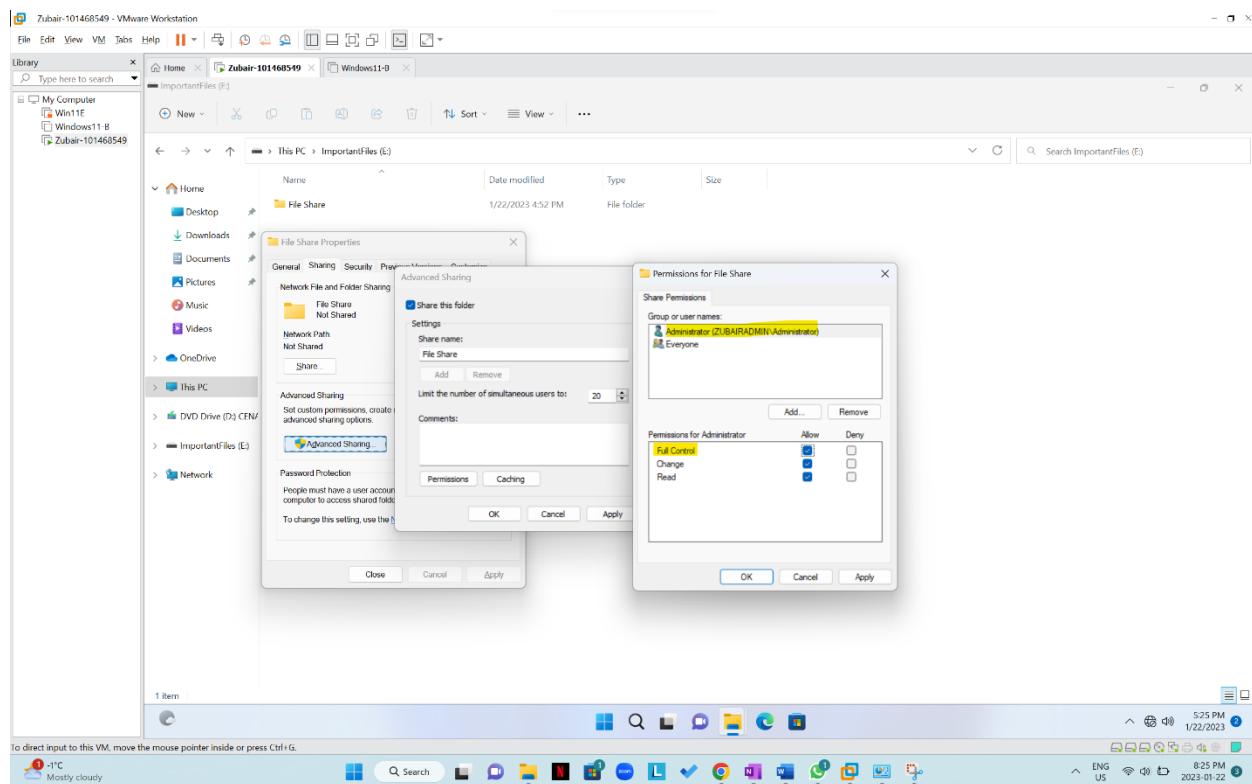
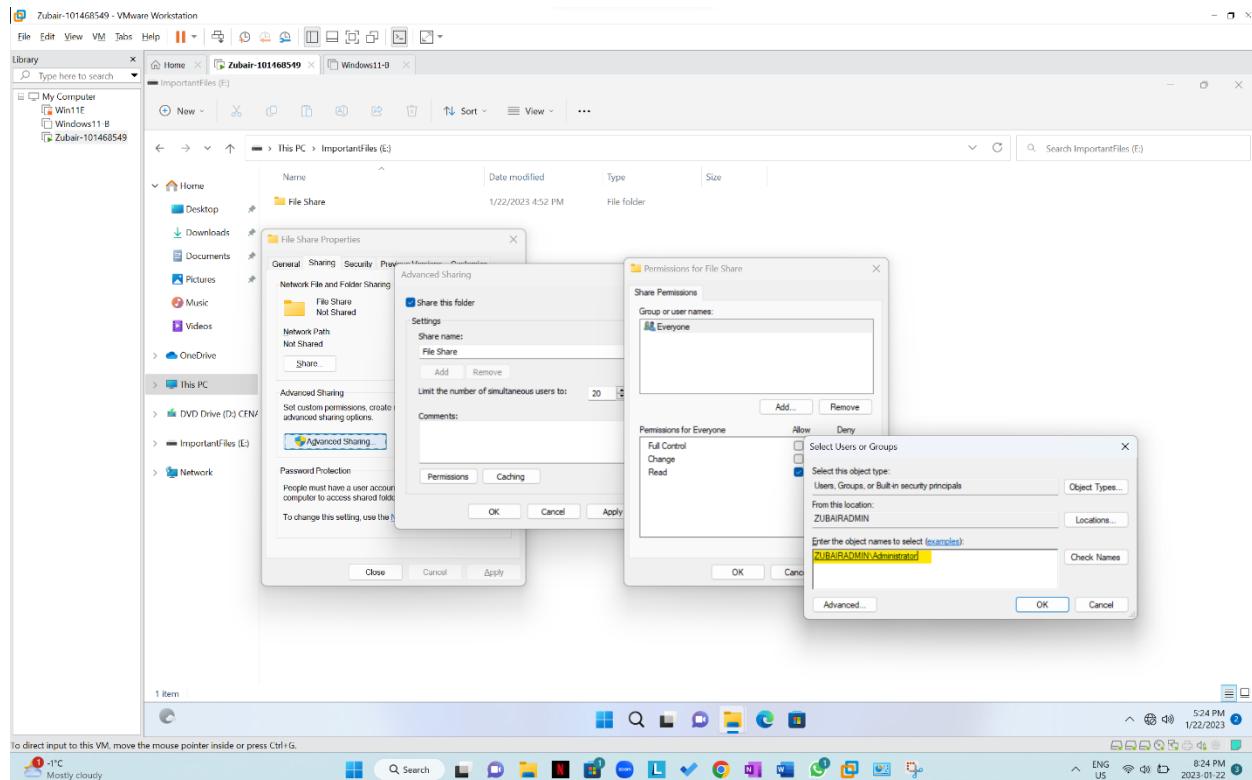




→ Click on Permissions > Everyone and select “Read”.

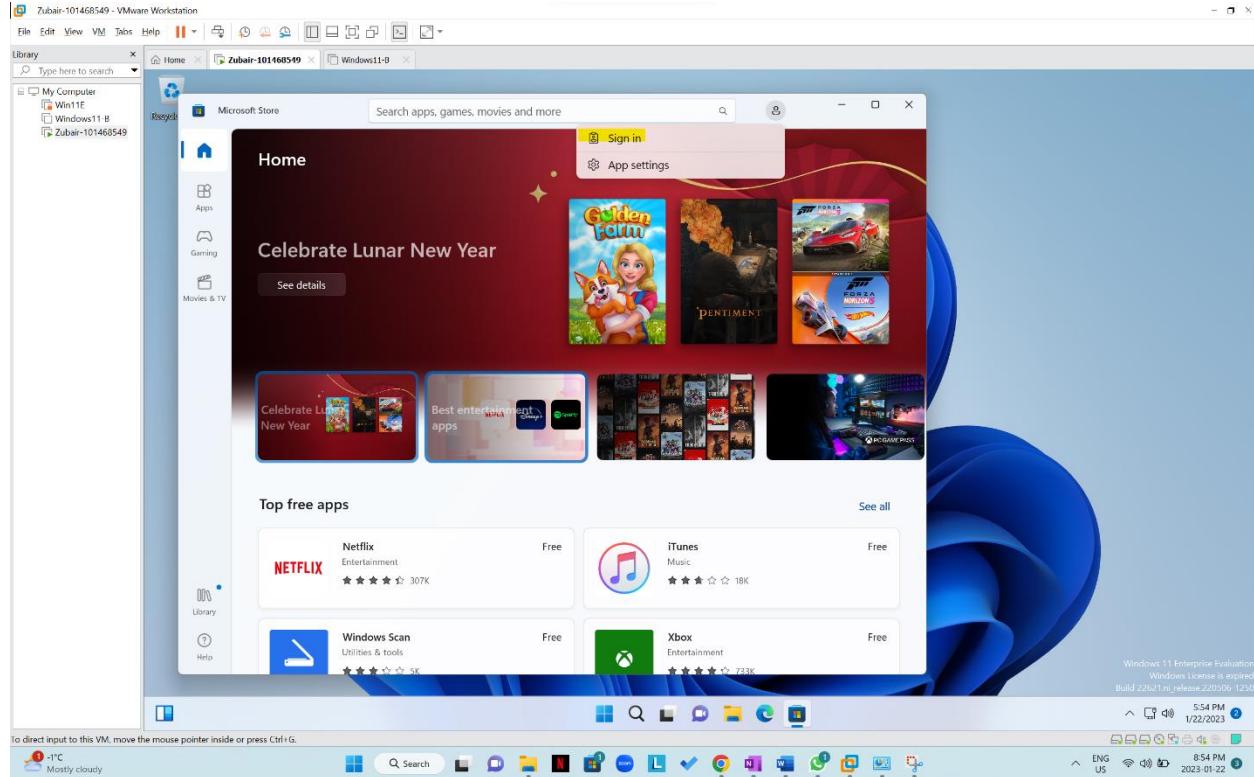


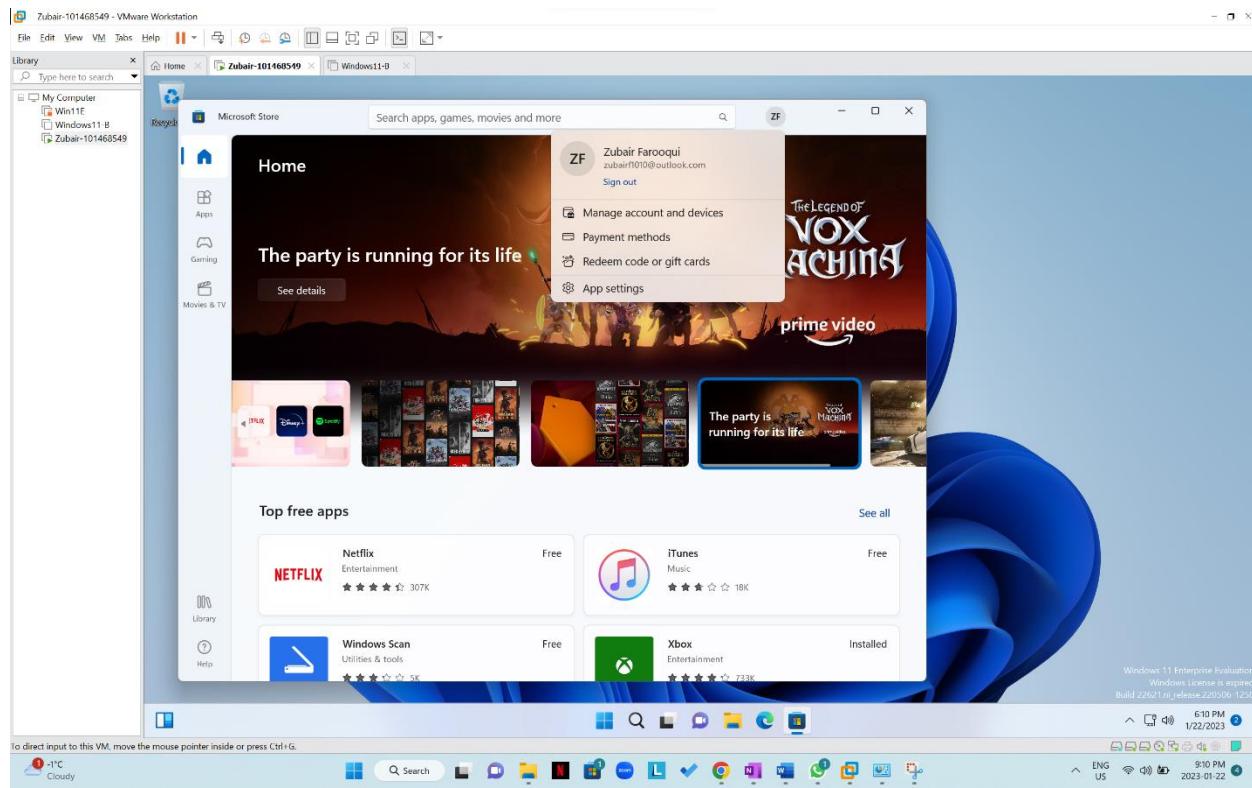
→ Next, we give Full Control to Administrator by following the similar steps as above.



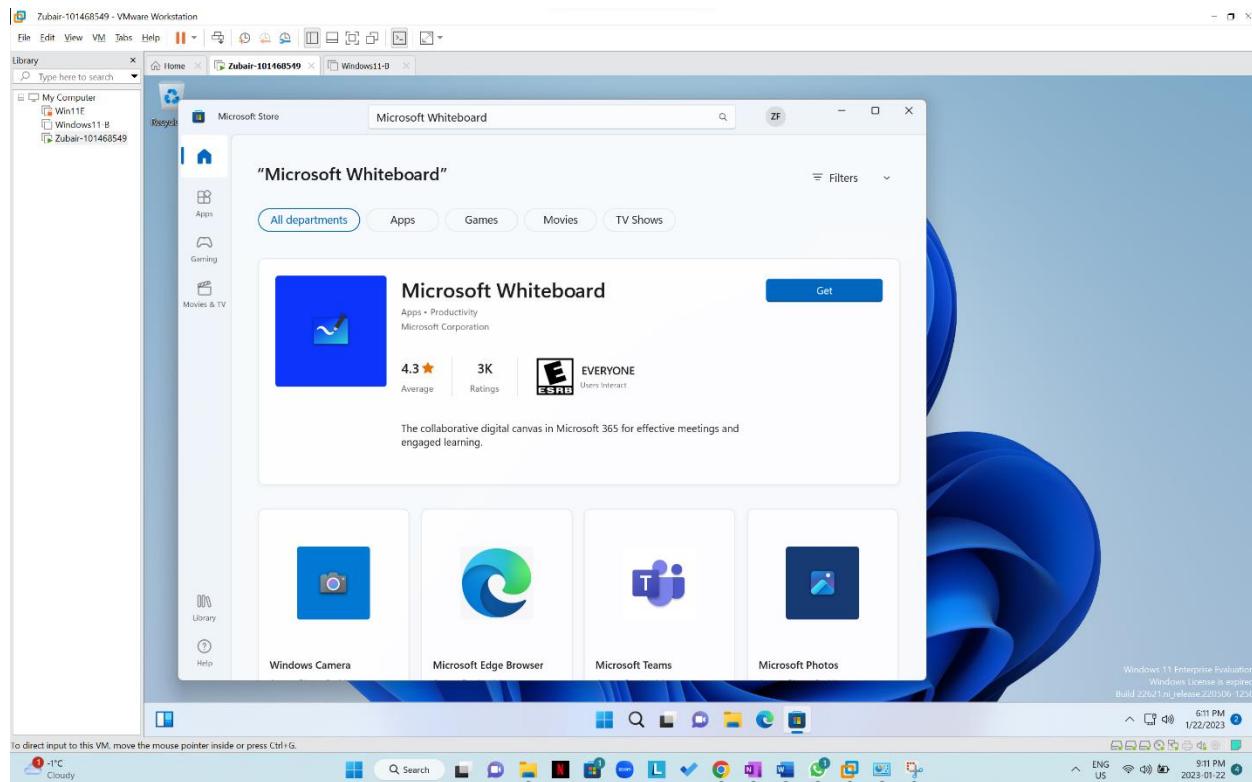
## Task9: Install Microsoft “Whiteboard” from Microsoft Store

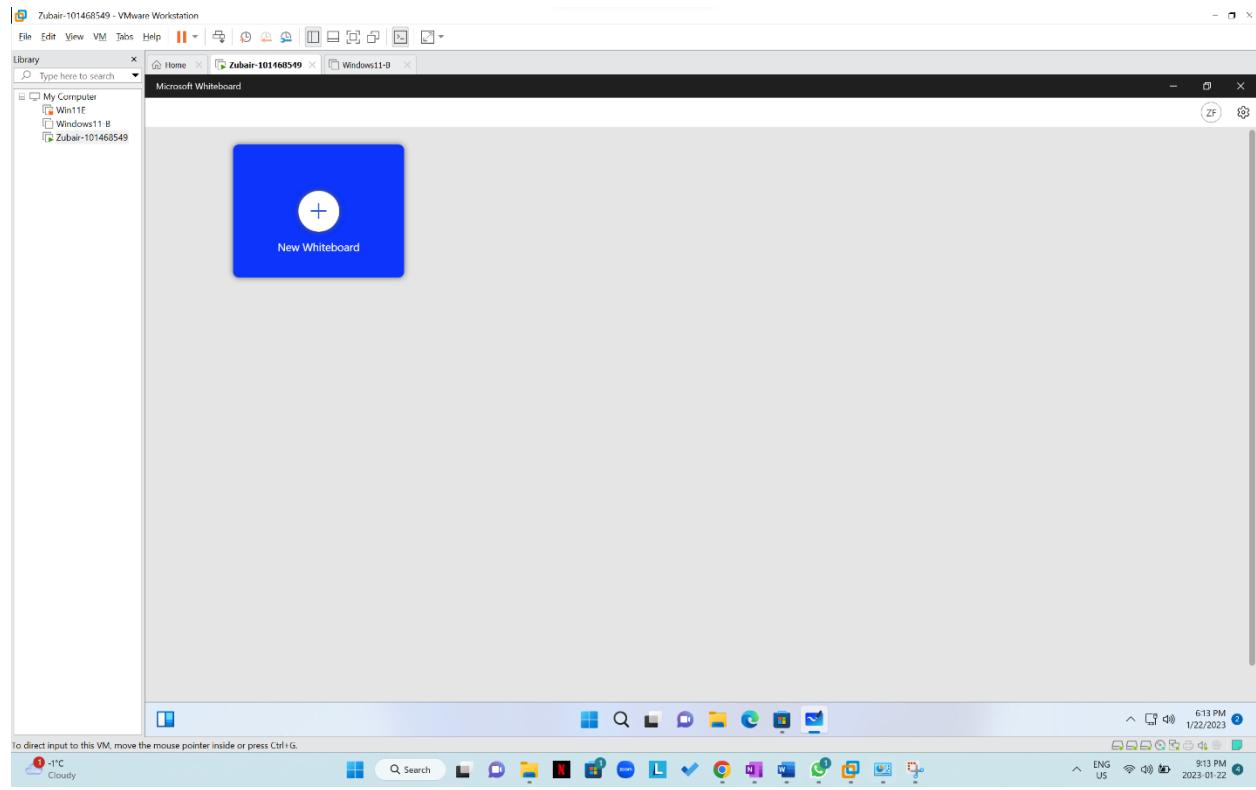
- To install Microsoft Whiteboard from Microsoft Store, you first need to login with your Microsoft account.





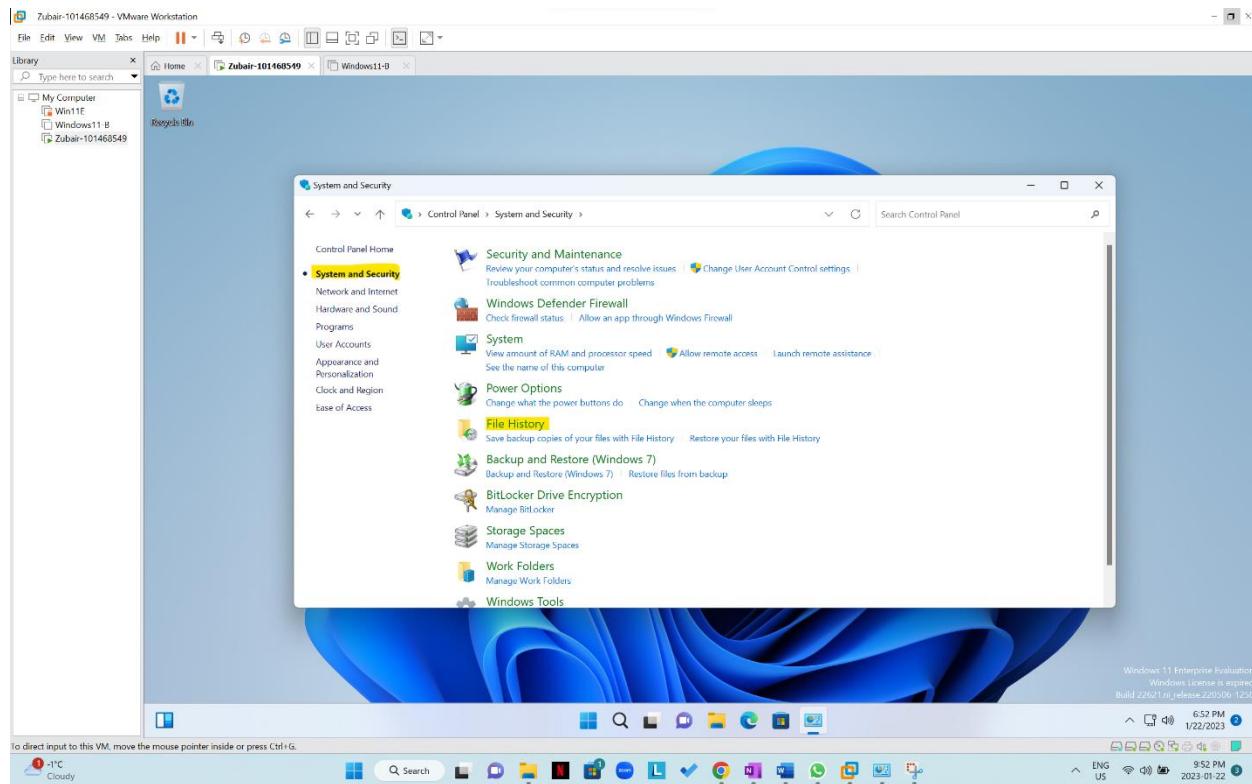
→ Search for Microsoft Whiteboard and Click on “Get”.

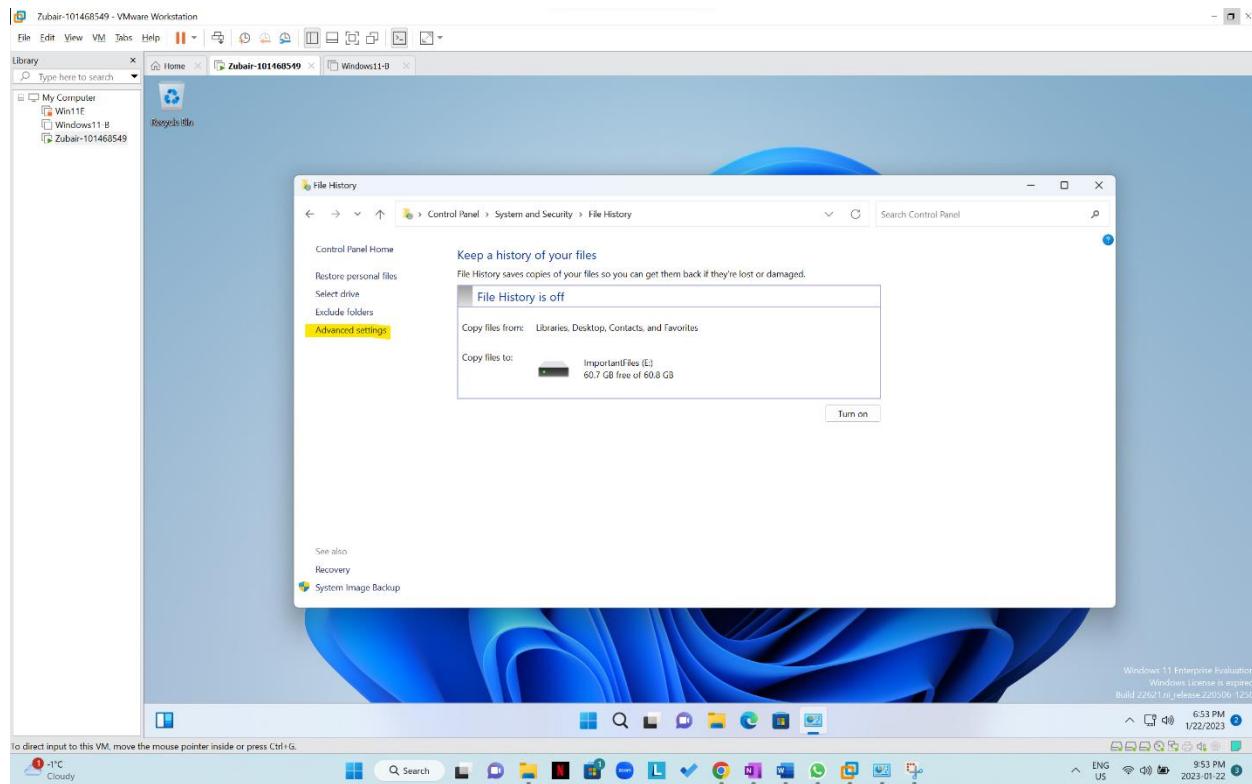




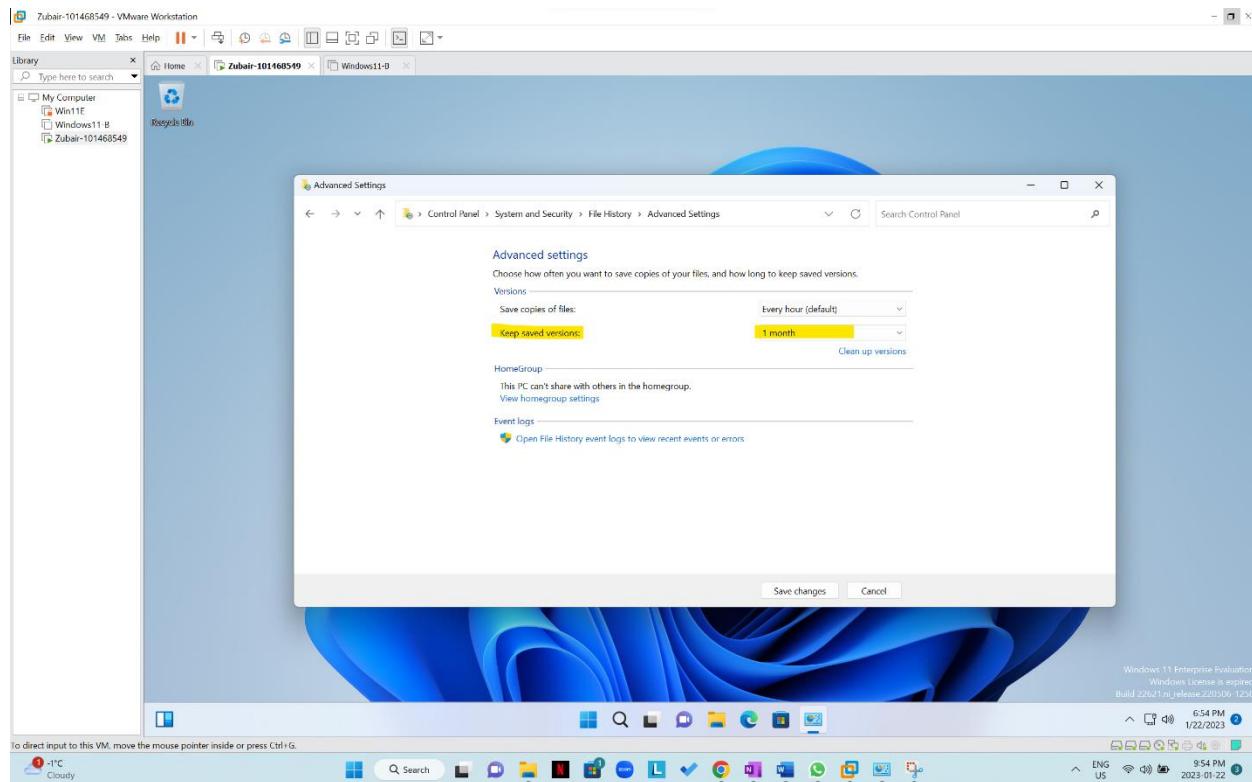
## Task10: Configure file history on your storage space to keep the data for the past 30 days.

→ Go to System and Security > File History > Advanced Setting





→ Click on the drop down for “Keep Saved Version” and select 1 month.



→ Your file history will turn on and files will be saved for the past 30 days.

