Windows 10 VM installation in Hyper-V

- **Download the ISO file**
1. Go to https://www.microsoft.com/en-au/software-download/windows10iso
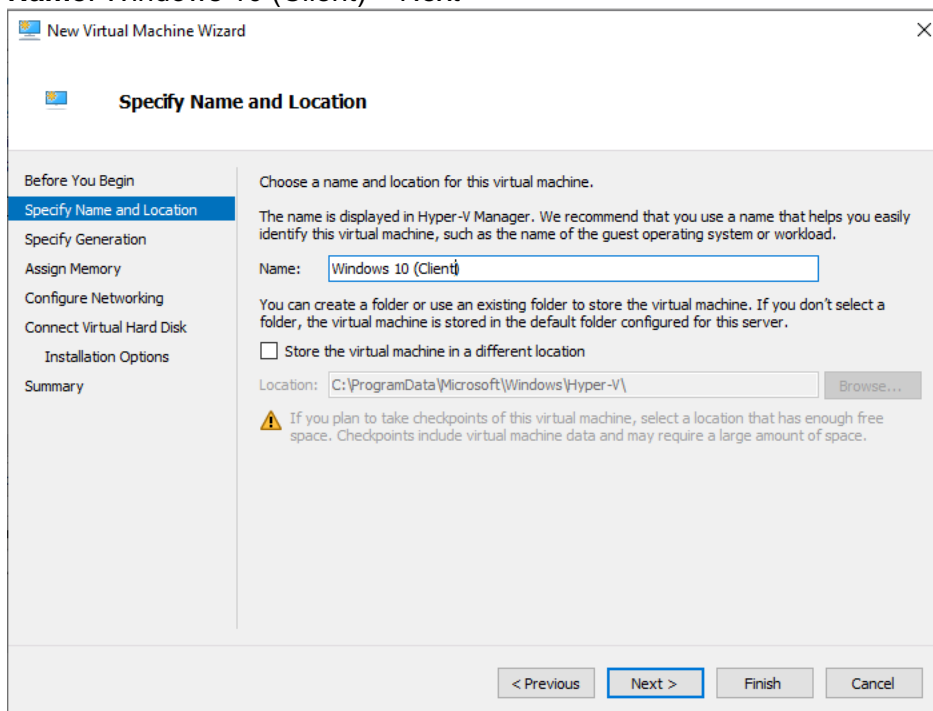2. Download the ISO image file.

- **Create Windows 10 Virtual Machine in Hyper-V**
1. Open Hyper-V,
   Go to New > Virtual Machines > Next
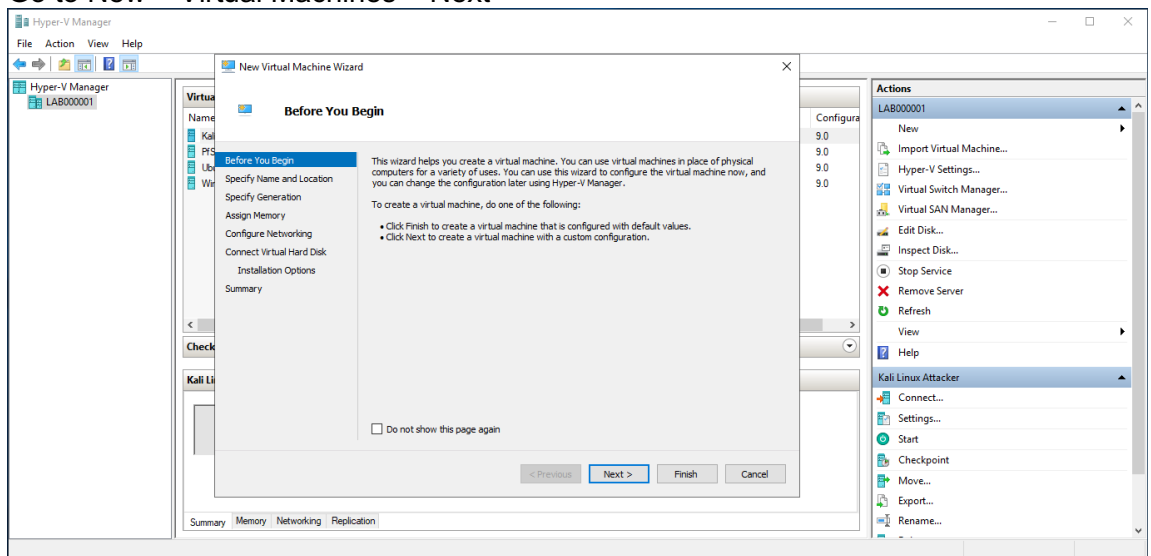
2. **Specify Name and Location**
   Name: Windows 10 (Client) > Next

3. **Specify Generation**: Select **Generation 2** > Next

New Virtual Machine Wizard   ✕

    Specify Generation

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

Choose the generation of this virtual machine.

○ Generation 1

This virtual machine generation supports 32-bit and 64-bit guest operating systems and provides virtual hardware which has been available in all previous versions of Hyper-V.

◉ Generation 2

This virtual machine generation provides support for newer virtualization features, has UEFI-based firmware, and requires a supported 64-bit guest operating system.

⚠ Once a virtual machine has been created, you cannot change its generation.

More about virtual machine generation support

    < Previous   Next >   Finish   Cancel

4. **Assign Memory**
Startup memory: 4 GB (dynamic) > Next

New Virtual Machine Wizard   ✕

    Assign Memory

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

Specify the amount of memory to allocate to this virtual machine. You can specify an amount from 32 MB through 12582912 MB. To improve performance, specify more than the minimum amount recommended for the operating system.

Startup memory: 4096 MB

☐ Use Dynamic Memory for this virtual machine.

ℹ 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.

    < Previous   Next >   Finish   Cancel

5. **Configure Networking**
   Connection: <YourExternalVSwitch> > Next

6. **Connect Virtual Hard Disk**
   Size: 50 GB > Next

7. **Installation Options**
   Select **Install an operating system from a bootable image file**
   Image file: <path/to/*.iso> > Next

Summary:

- **Disable Secure Boot before booting the VM**
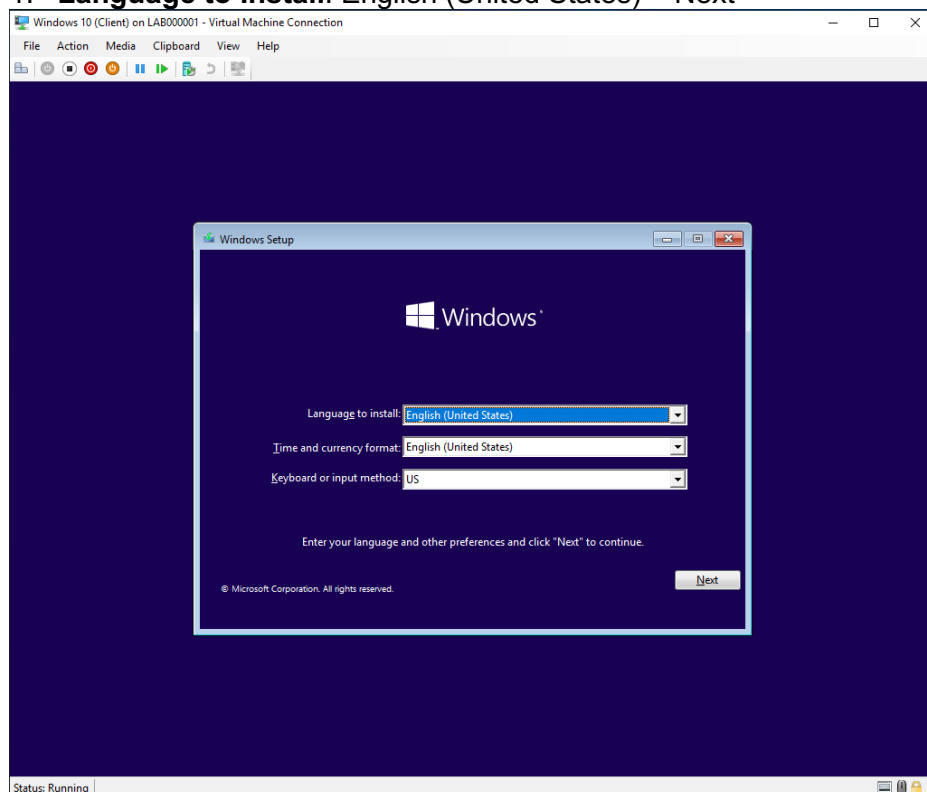 In Hyper-V,
  Right-click Windows 10 VM > Settings… > Security > Uncheck Enable Secure Boot > Apply > OK
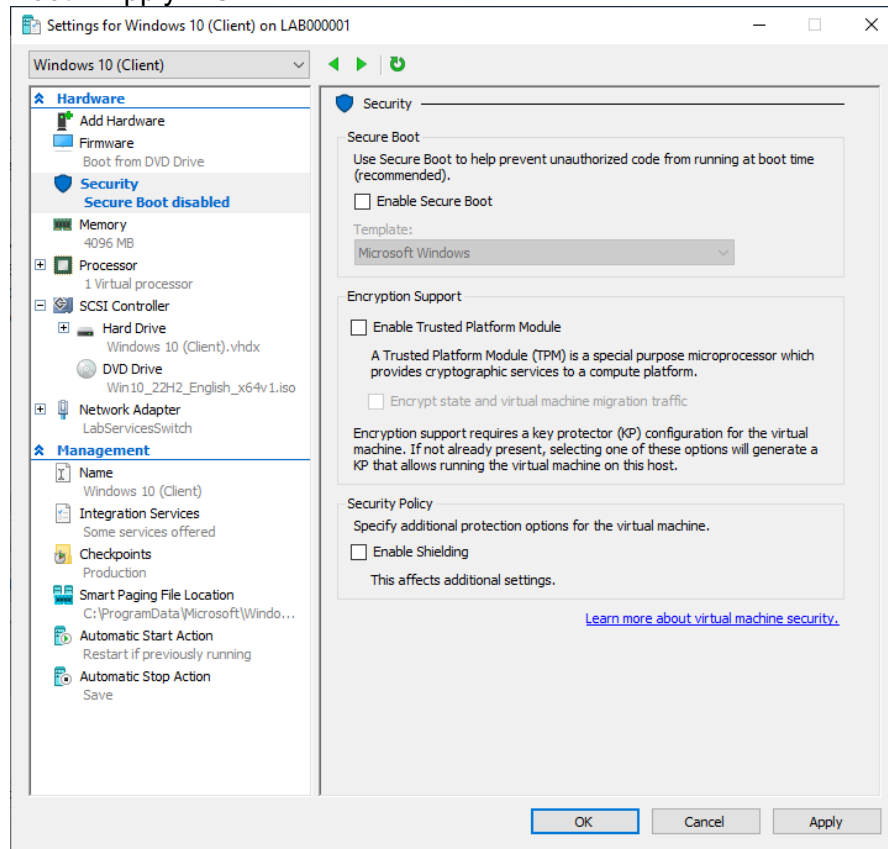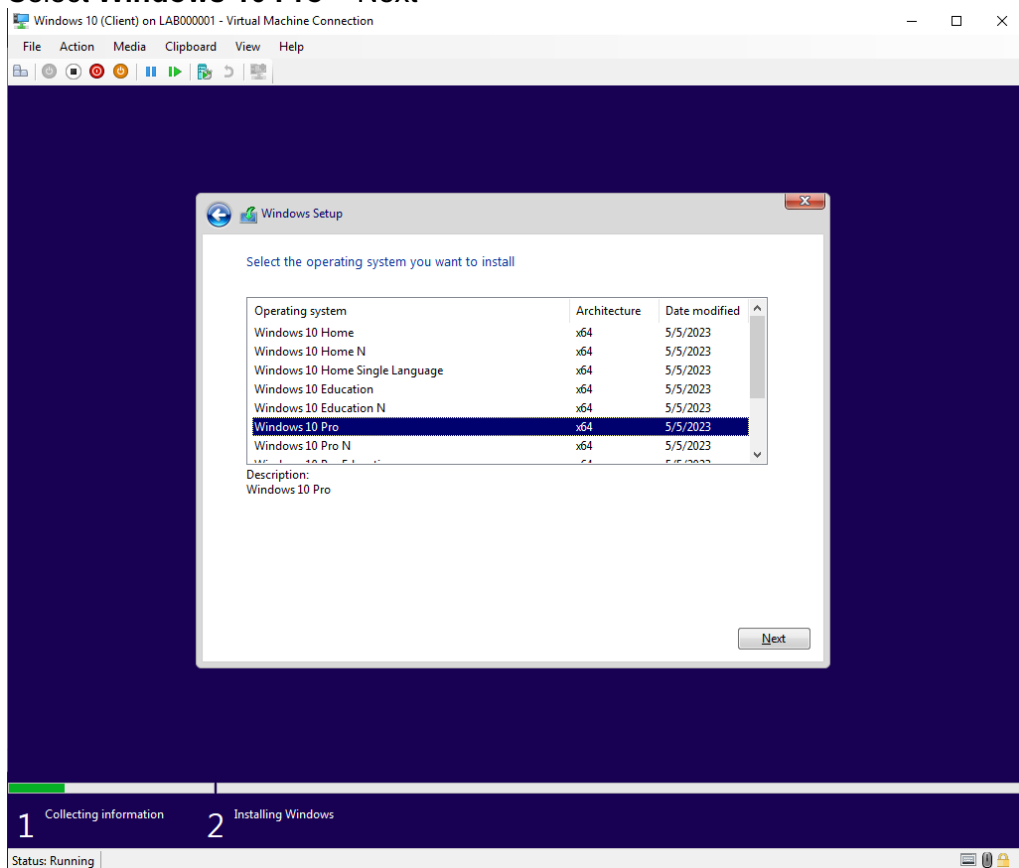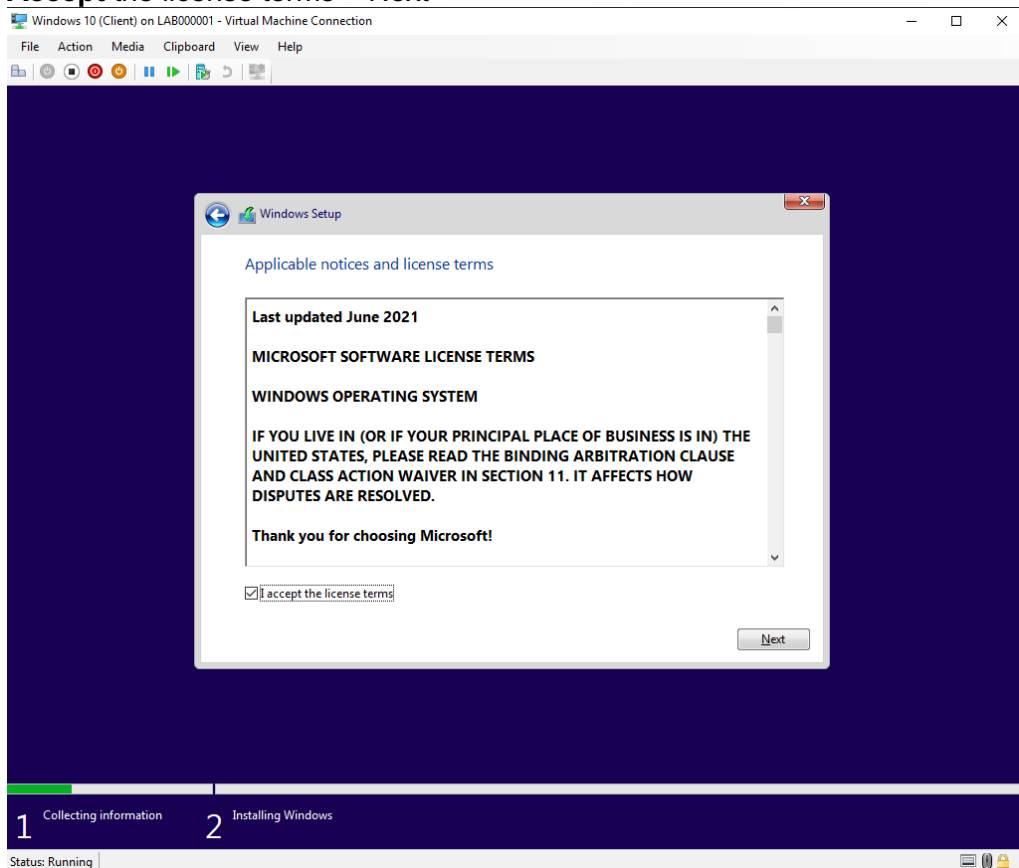

- **Install the Windows 10 VM**
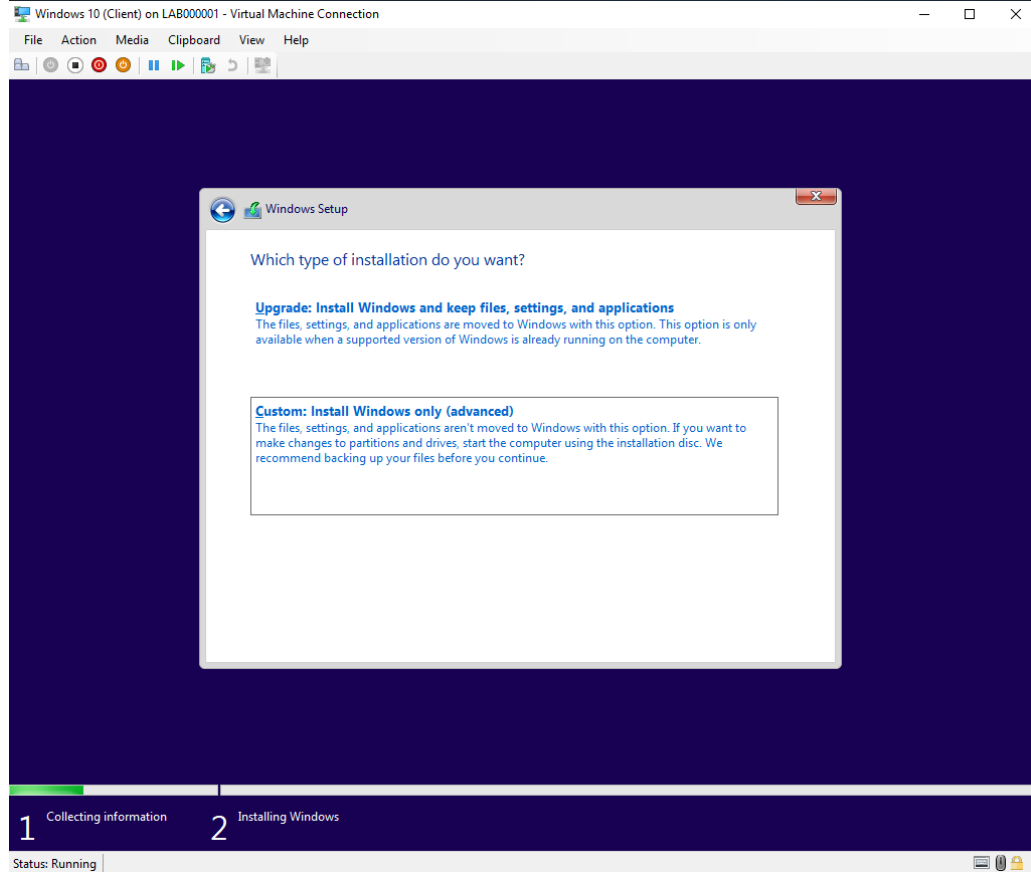1. **Language to Install**: English (United States) > Next

2. Select the operating system you want to install
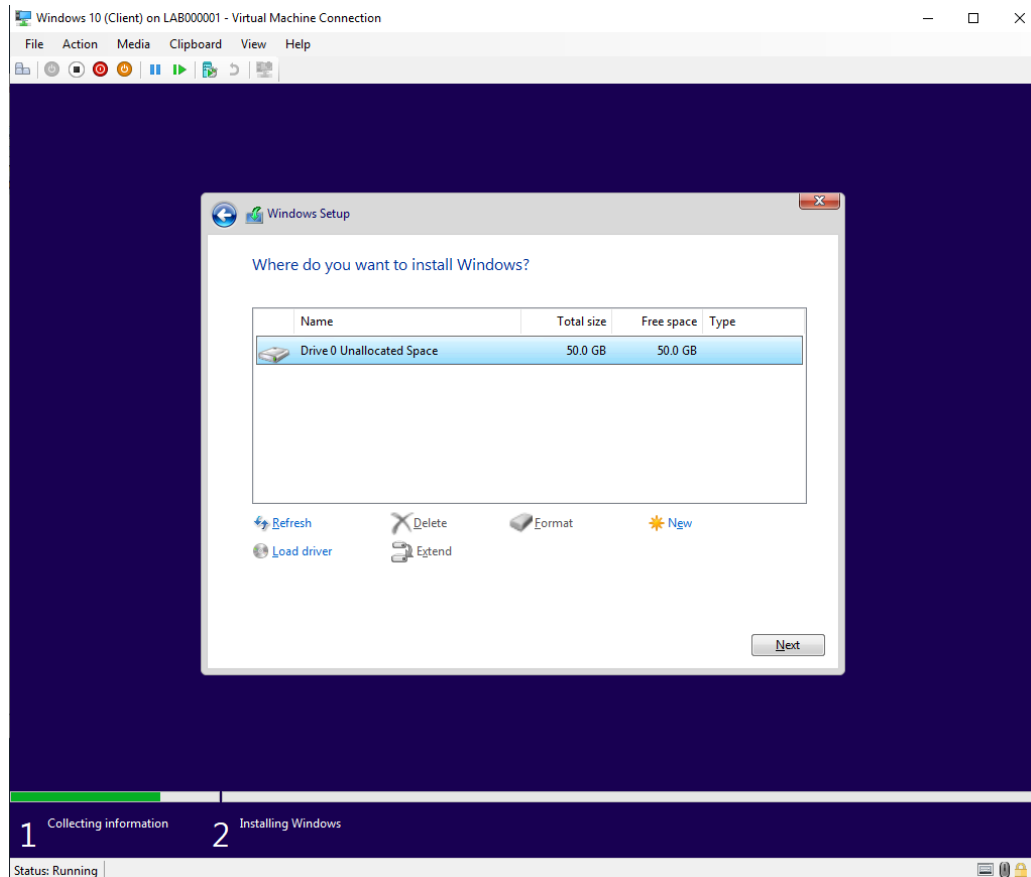   Select **Windows 10 Pro** > Next
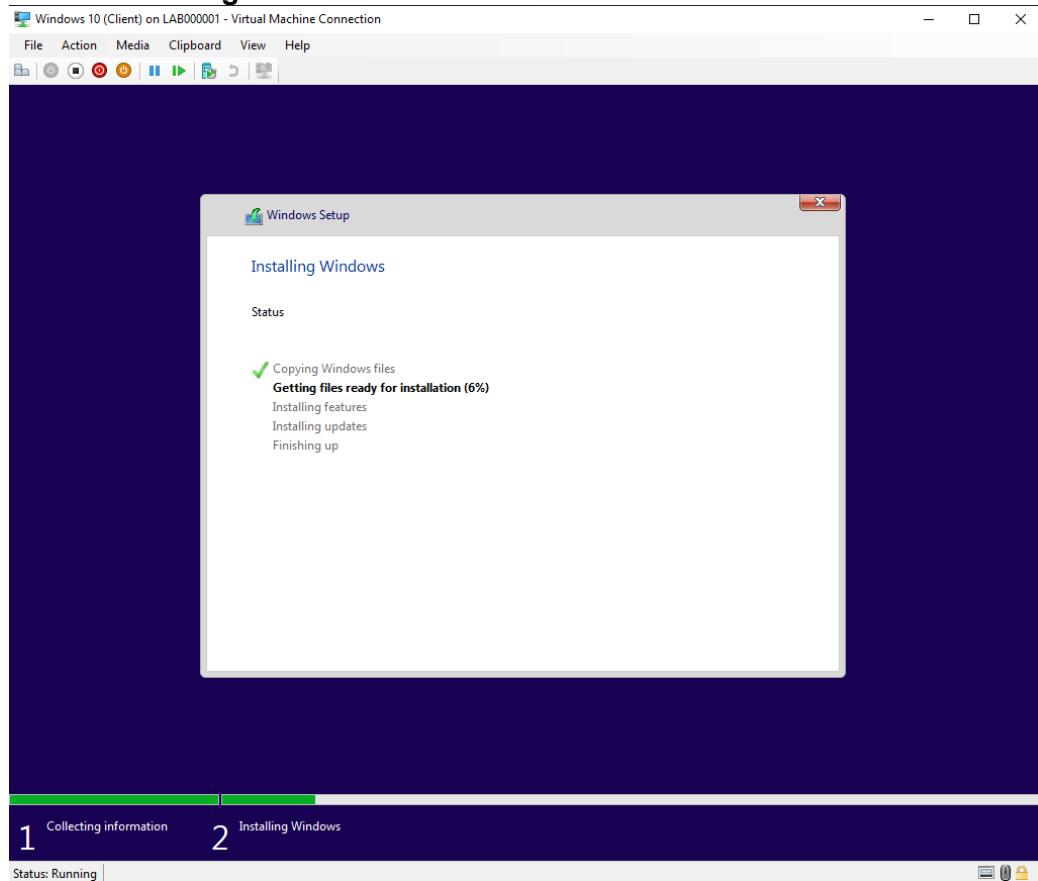

3. **Accept** the license terms > Next

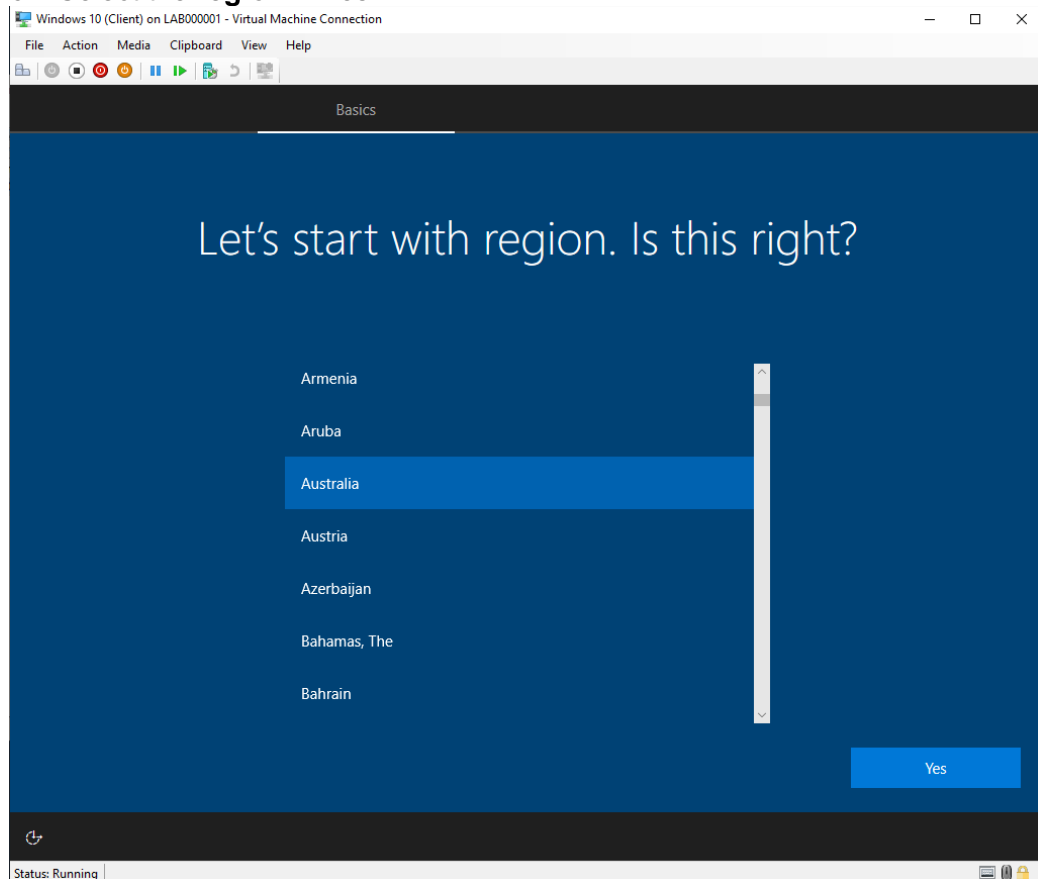4. Select **Custom: Install Windows only (advanced)**
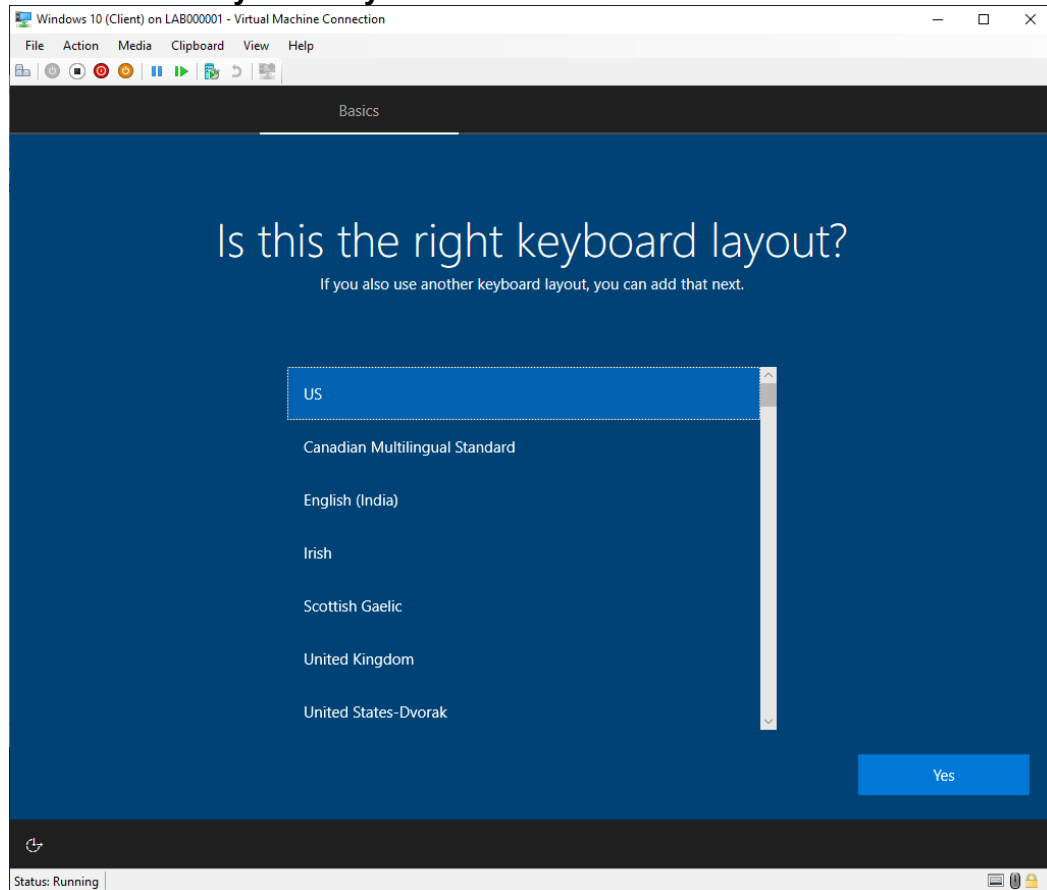

5. Select the 50 GB Hard Disk for installation > Next
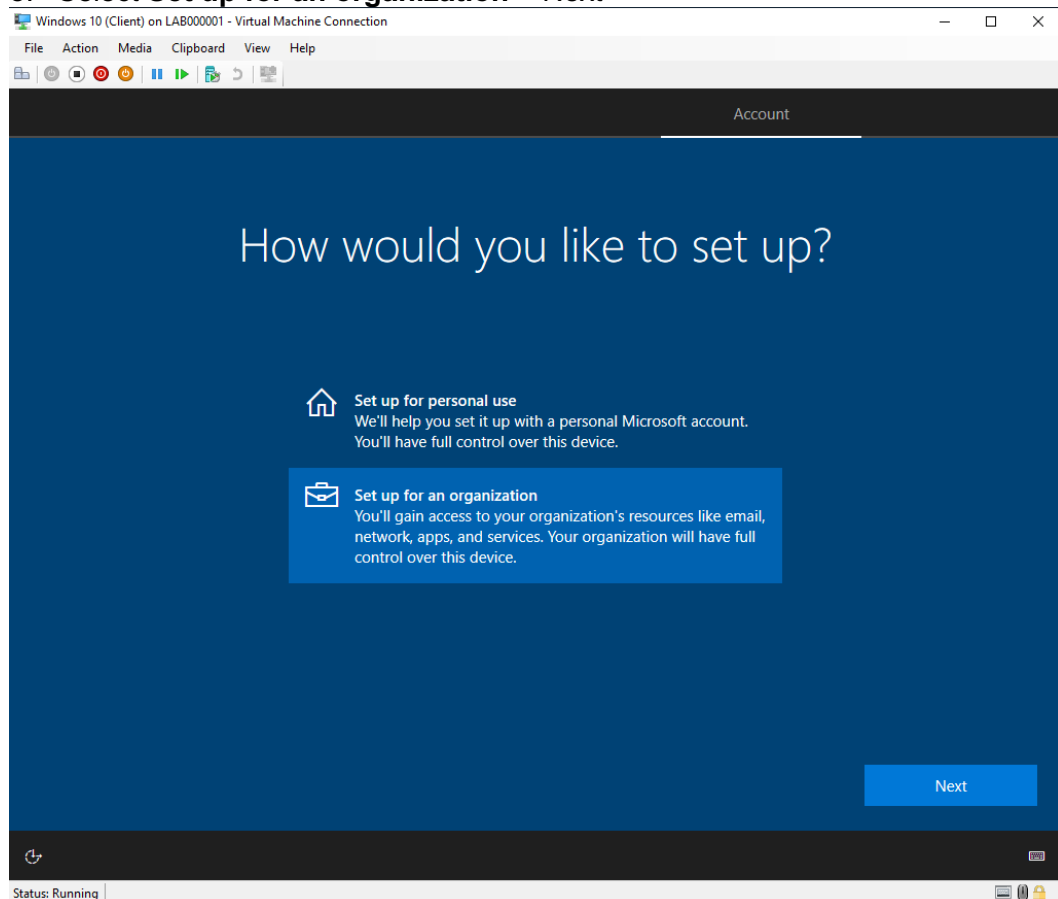
Installation Progress

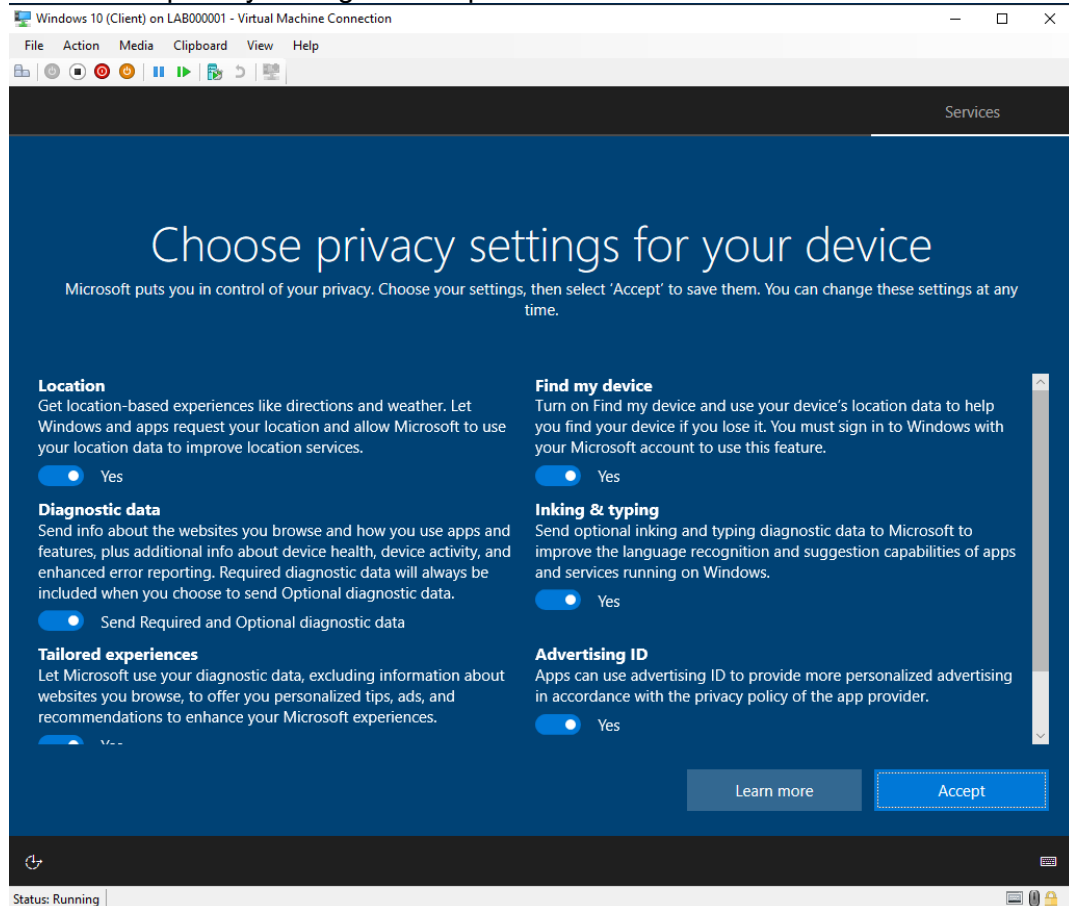6. Select the **region** > Yes

7. Select the **Keyboard layout**: US > Yes

8. Select **Set up for an organization** > Next

9. Choose privacy settings > Accept

- **Connect Windows 10 to Windows Server 2022**
  Note: These steps are to be performed only after creating an Active Directory Domain Users on the Windows Server.
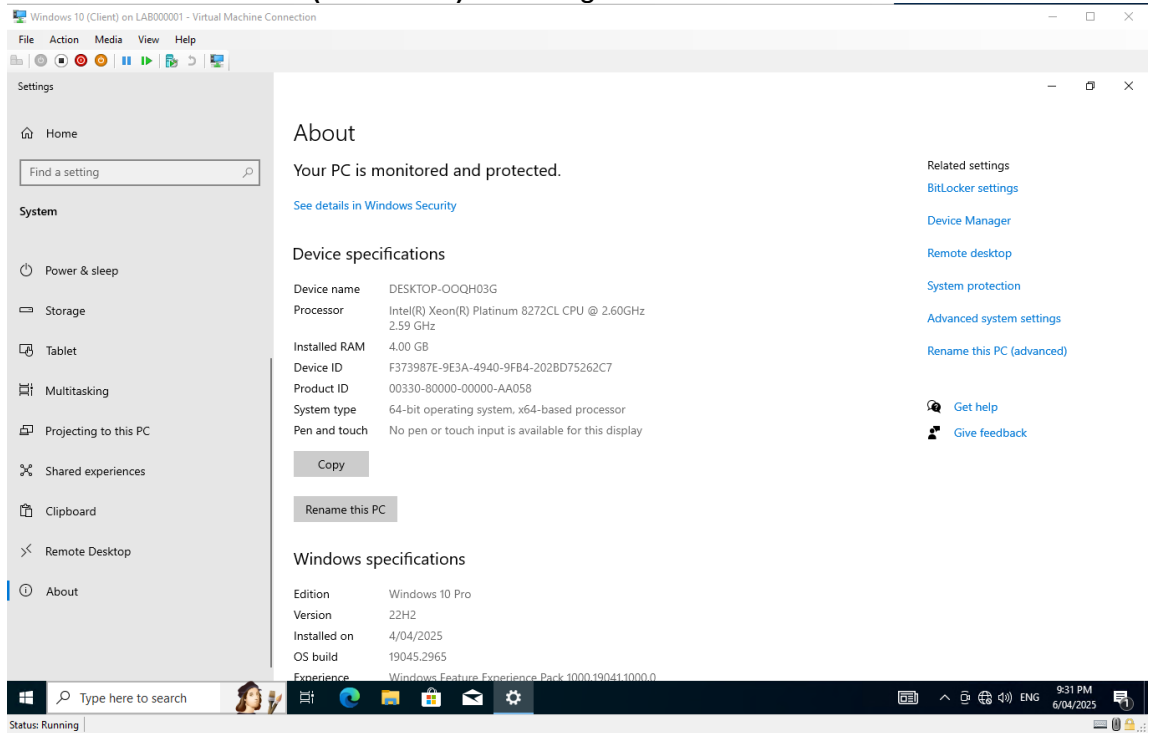
- **Change Windows 10 IP to static**
  Go to **Start > Control Panel > Network and Sharing > Right-click Network instance > Properties > Select Internet Protocol Version 4 (TCP/IPv4) > Properties**
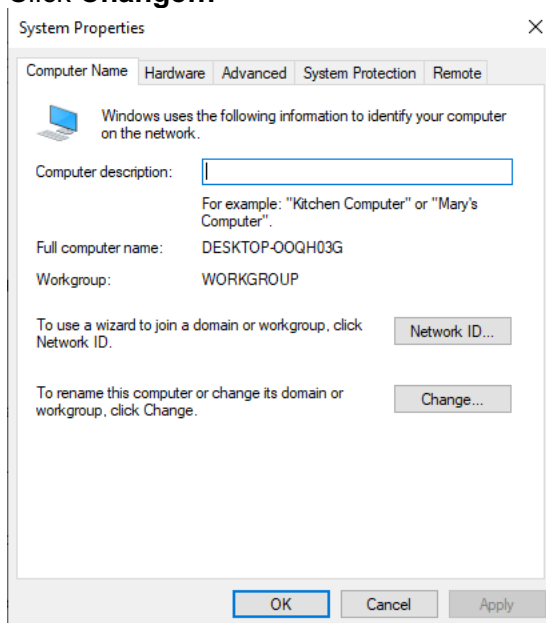 Select **Use the following IP address** and make changes > OK
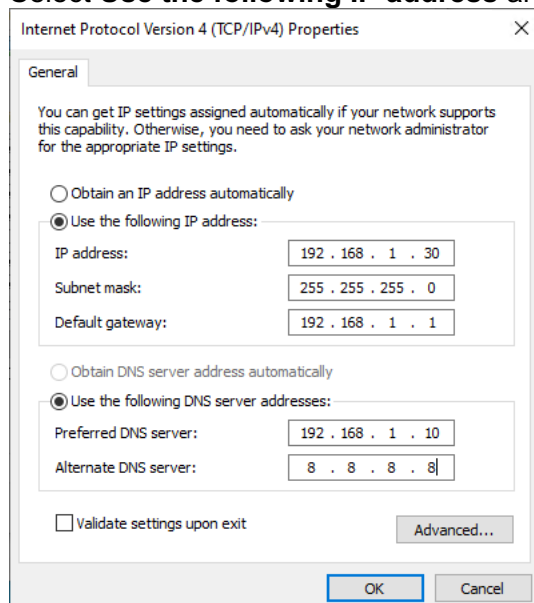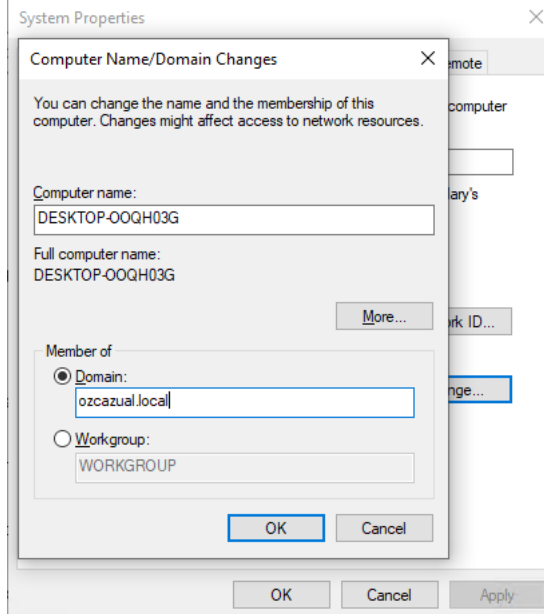
- **Join the Windows 10 to the Domain**
1. Go to **Start > Settings**,
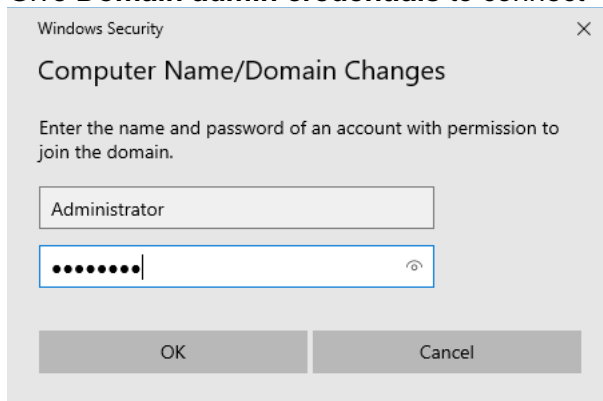   Click **Rename this PC (advanced)** on the right-side menu
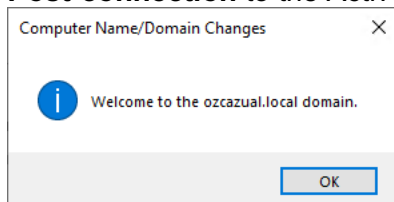

2. Click **Change…**

3. Select **Domain** > [yourdomain.local] > OK

4. Give **Domain admin credentials** to connect

5. **Post-connection** to the Active Directory Domain Services (AD DS)

6. Restart the Windows 10.