TEMASEK POLYTECHNIC
SCHOOL OF INFORMATICS & IT
VIRTUAL DESKTOP TECHNOLOGY
Practical 3

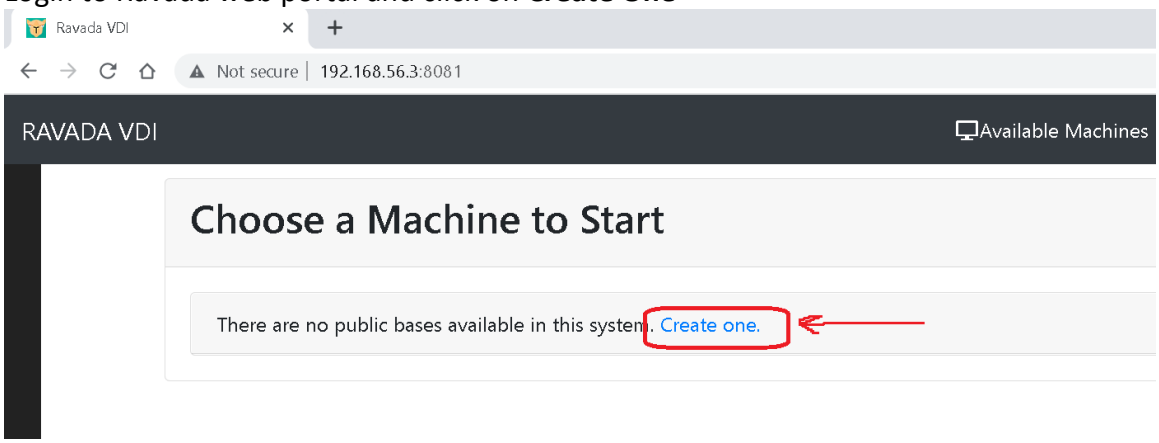
Dear students,

- Please ensure to complete these Labs as they will be part of your final project report and POC.
- Please remember to take all **important screen shots** of each Lab to build up your final project report and POC.
- Please also remember to use virtual box **clone feature** to back up your Ravada VM after each Lab to prevent any corruption.
- Please copy all Linux commands in these Labs to **notepad** first, **ensure all syntax is correct** before copying to Linux Command prompt.

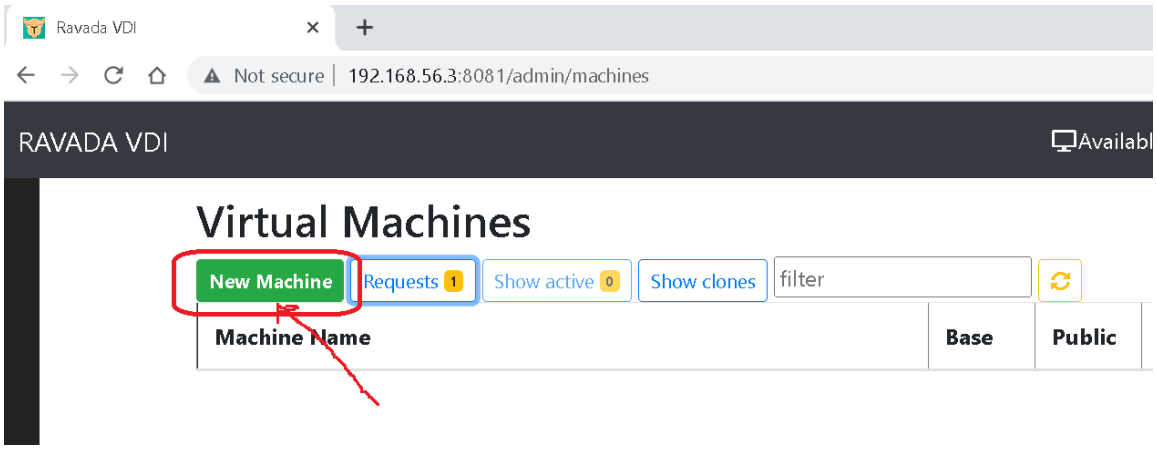
Setting up Windows 10 VDI Base Image

Step 1

Login to Ravada web portal and click on **Create One**



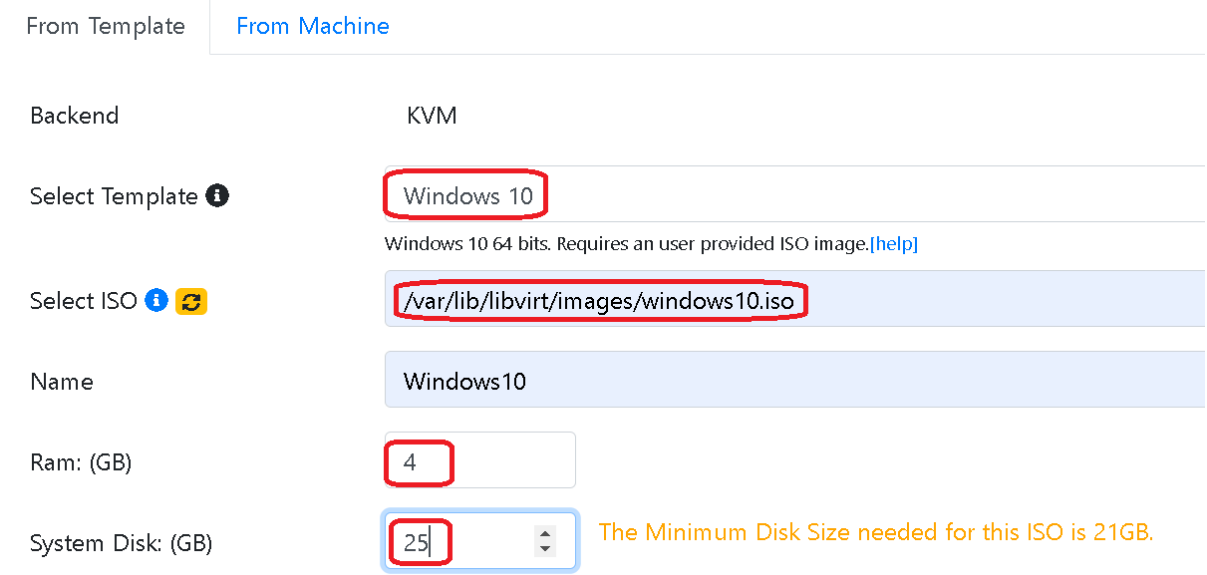
Click on **New Machine** button



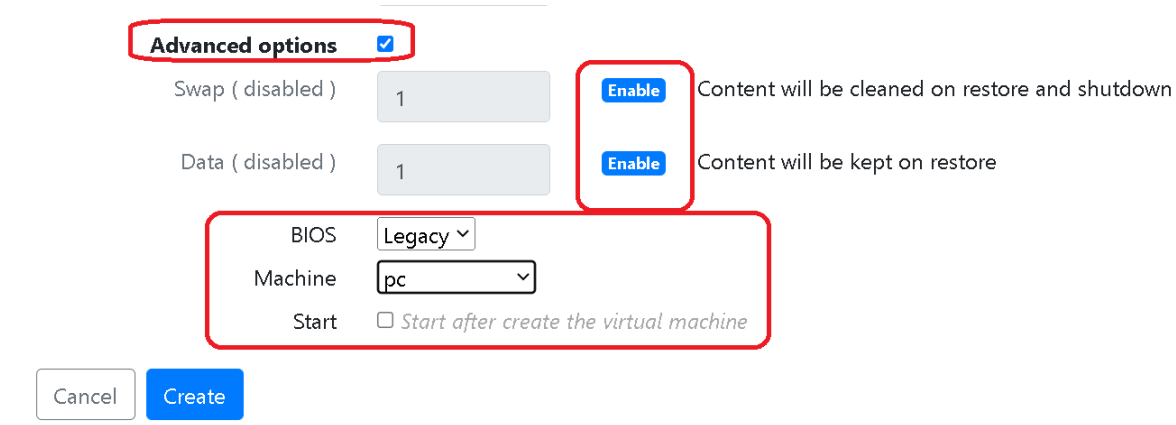
Configure **Windows 10 VDI** specs as below:

- 4GB RAM
- Hard disk size 25GB

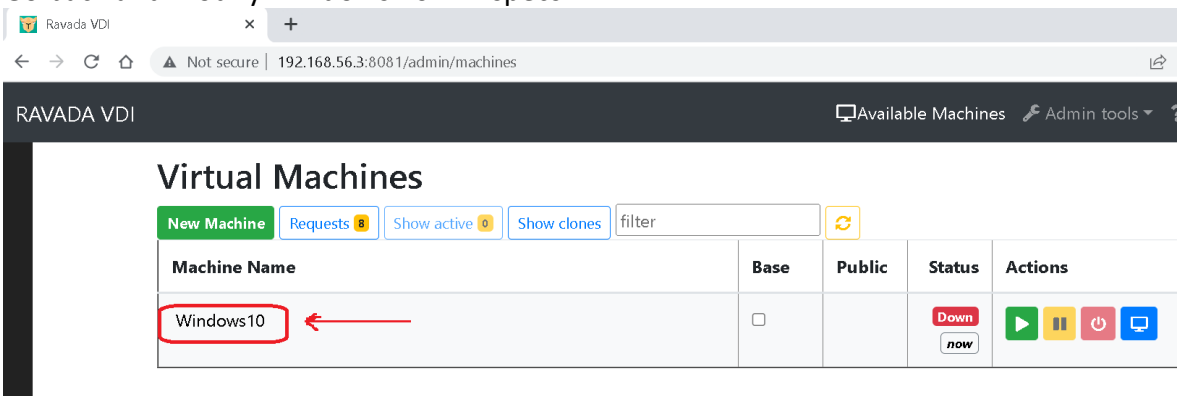
Click on the **Create** button



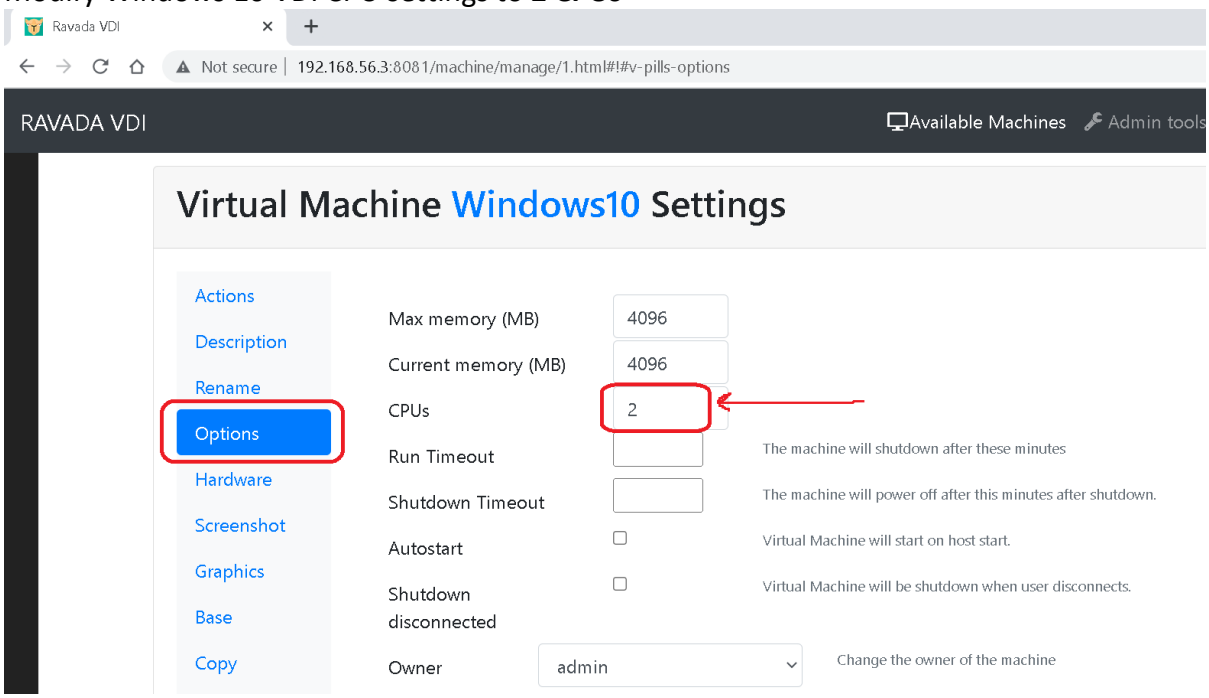
Disable Swap and Data partitions



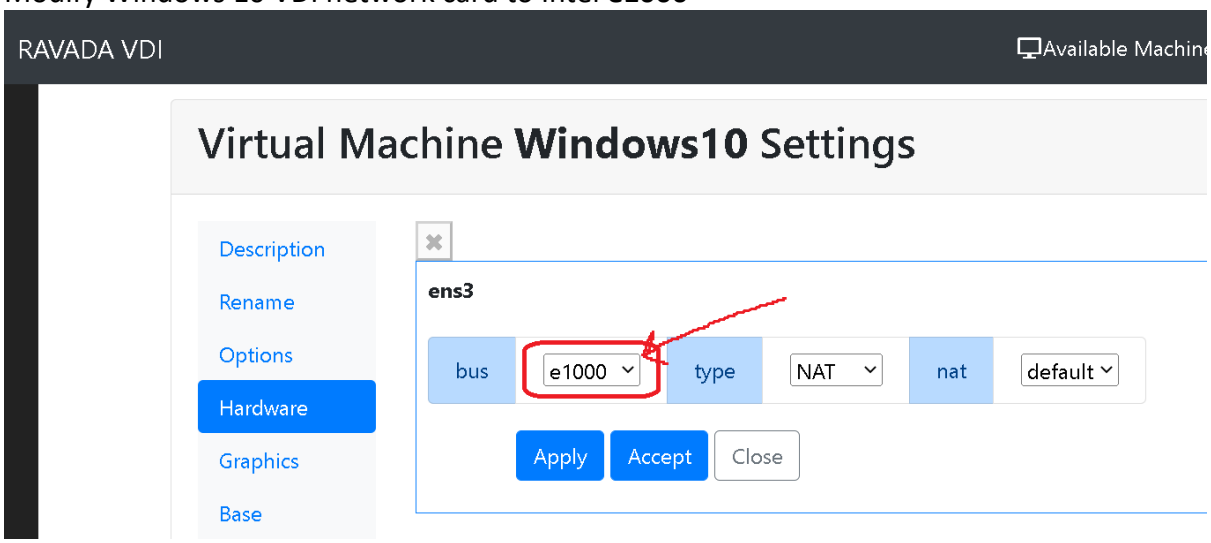
Go back and modify Windows 10 VDI specs



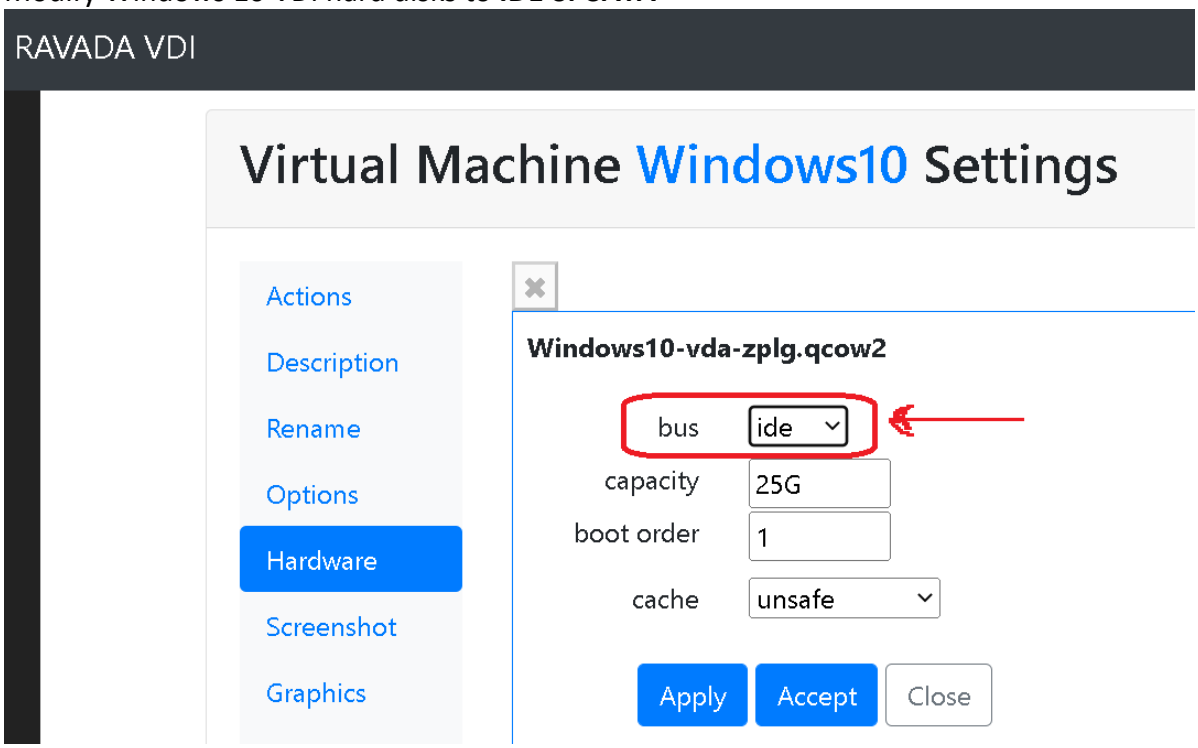
Modify Windows 10 VDI CPU settings to **2 CPUs**



Modify Windows 10 VDI network card to Intel **e1000**



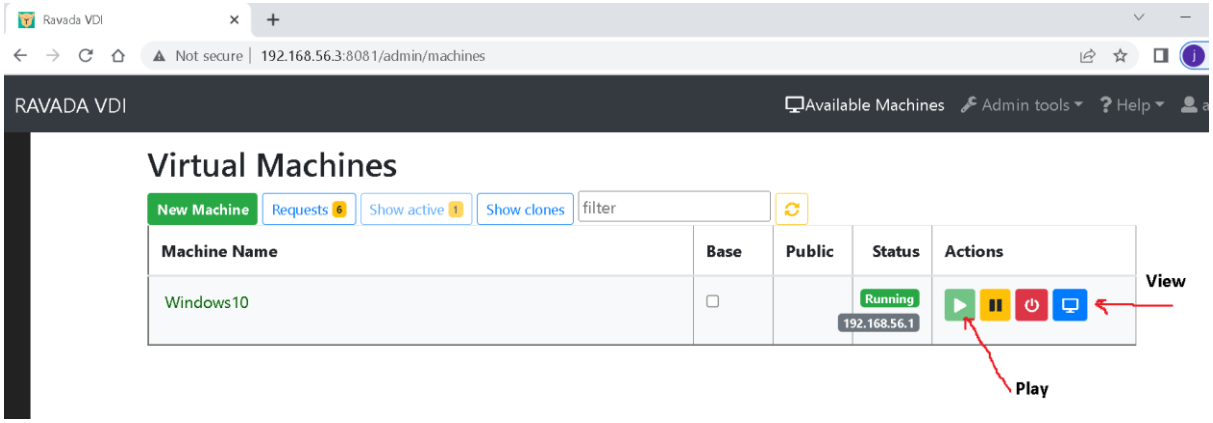
Modify Windows 10 VDI hard disks to **IDE or SATA**



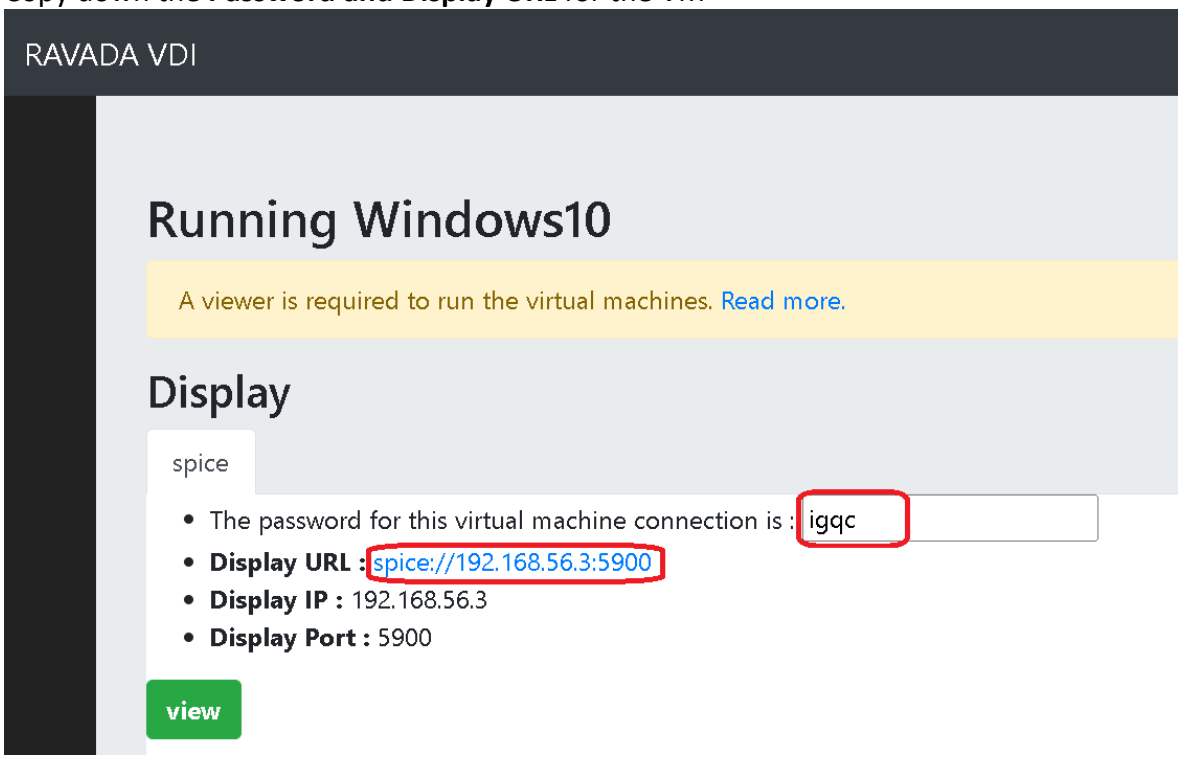
Step 2

Select the **Play button** to start the VM

Select the **View button** for more information about the VM



Copy down the **Password and Display URL** for the VM

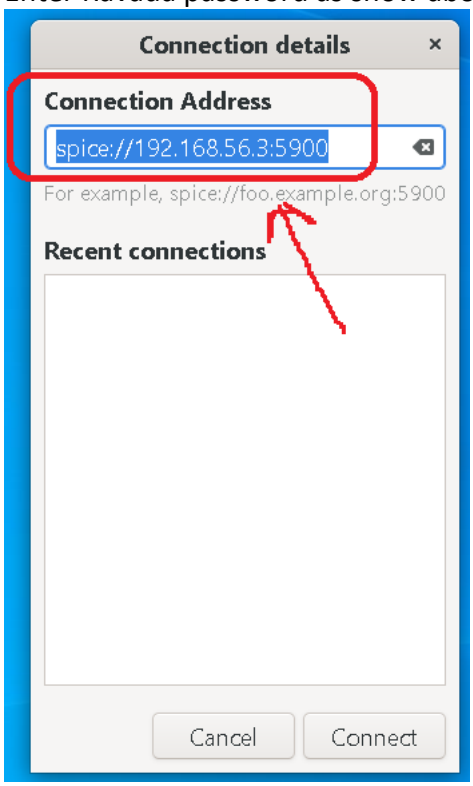


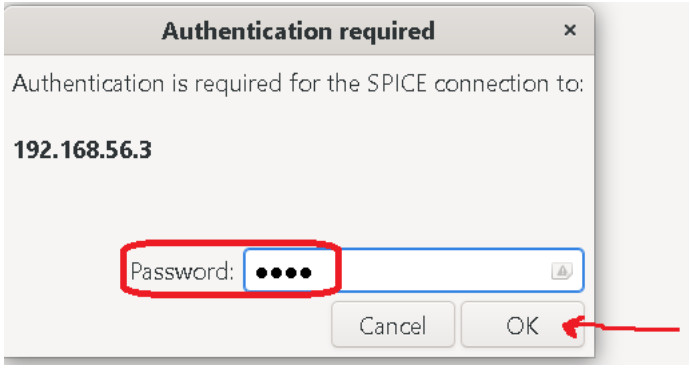
Step 3

Run Virt-viewer

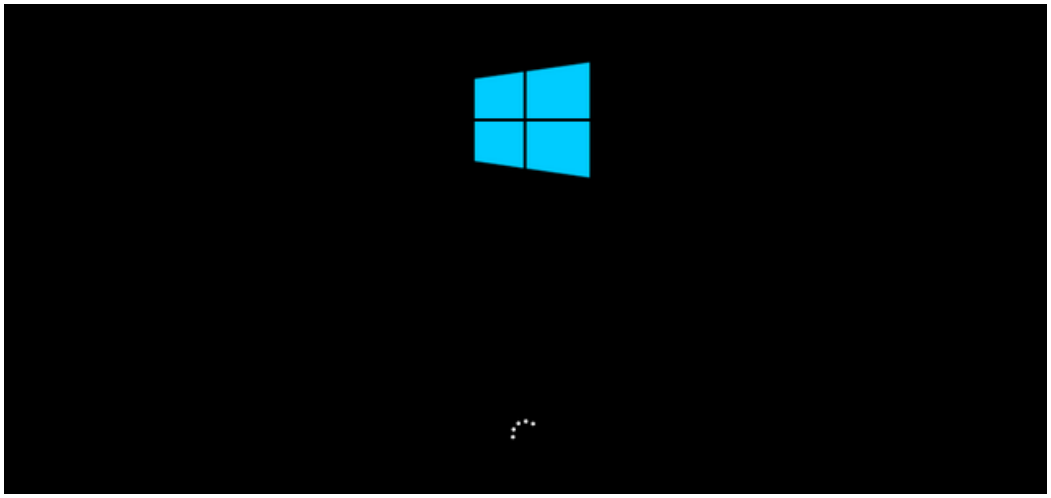
Enter Connection Address which is Ravada Display URL

Enter Ravada password as show above

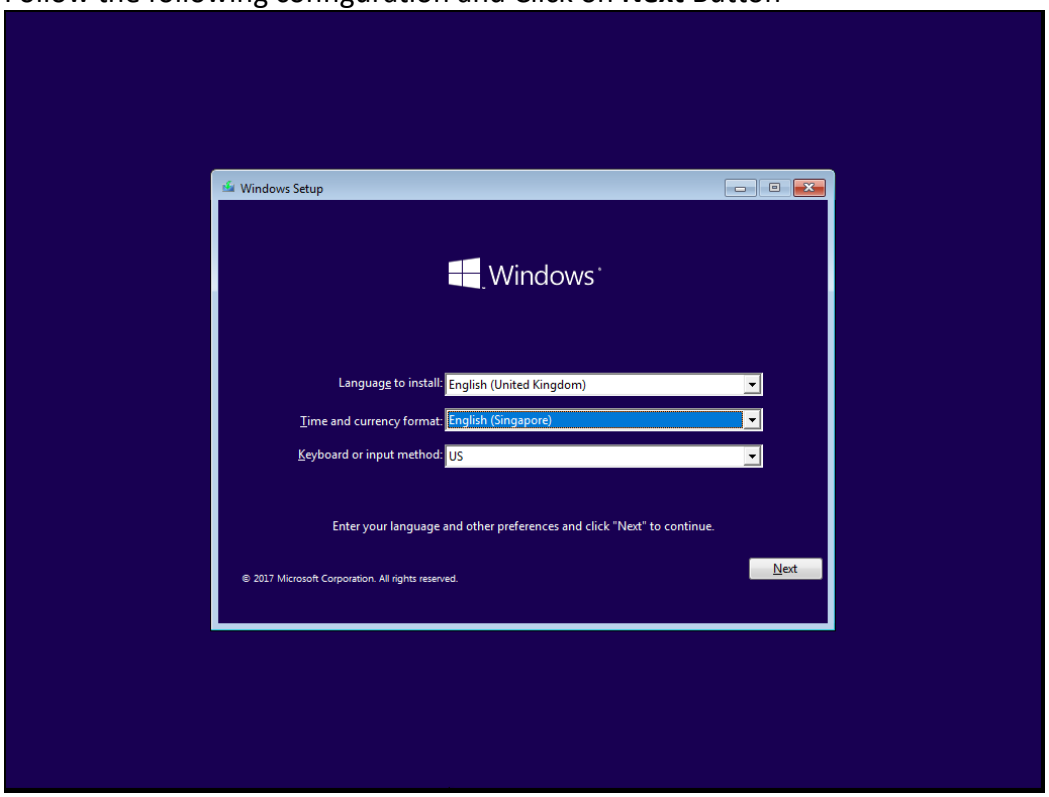




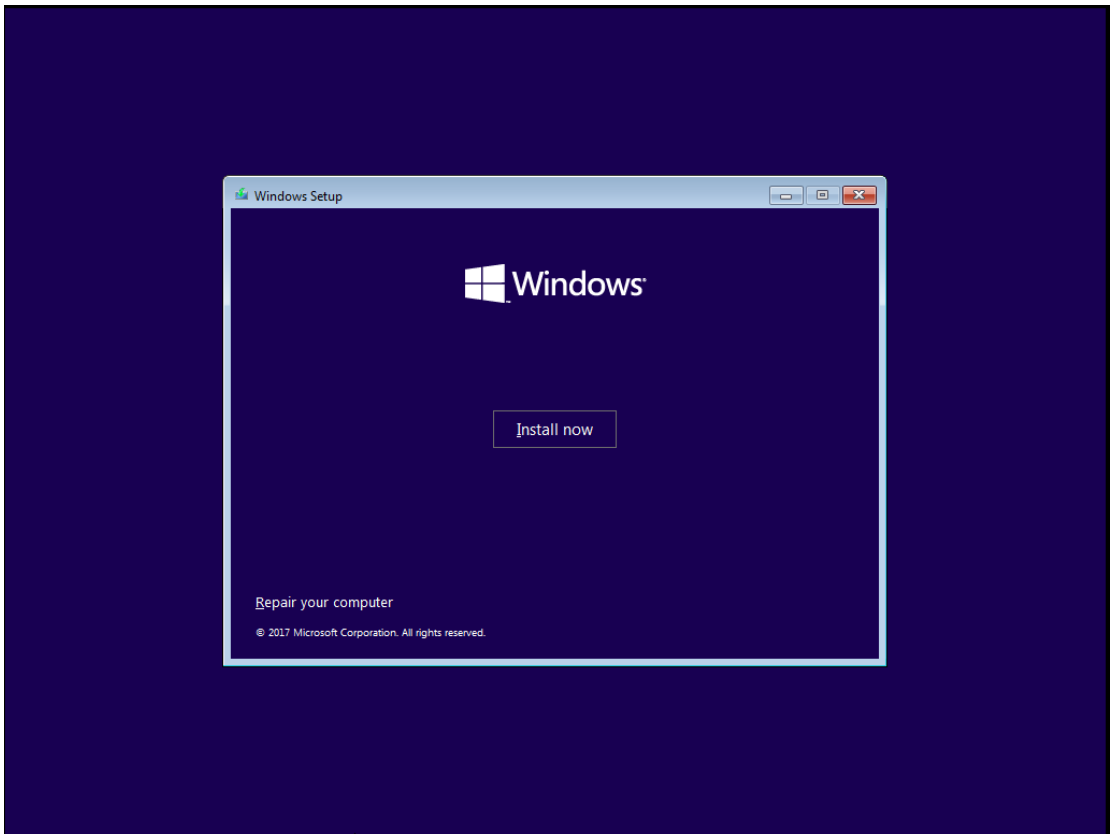
Step 4
Start Windows 10 VDI installation



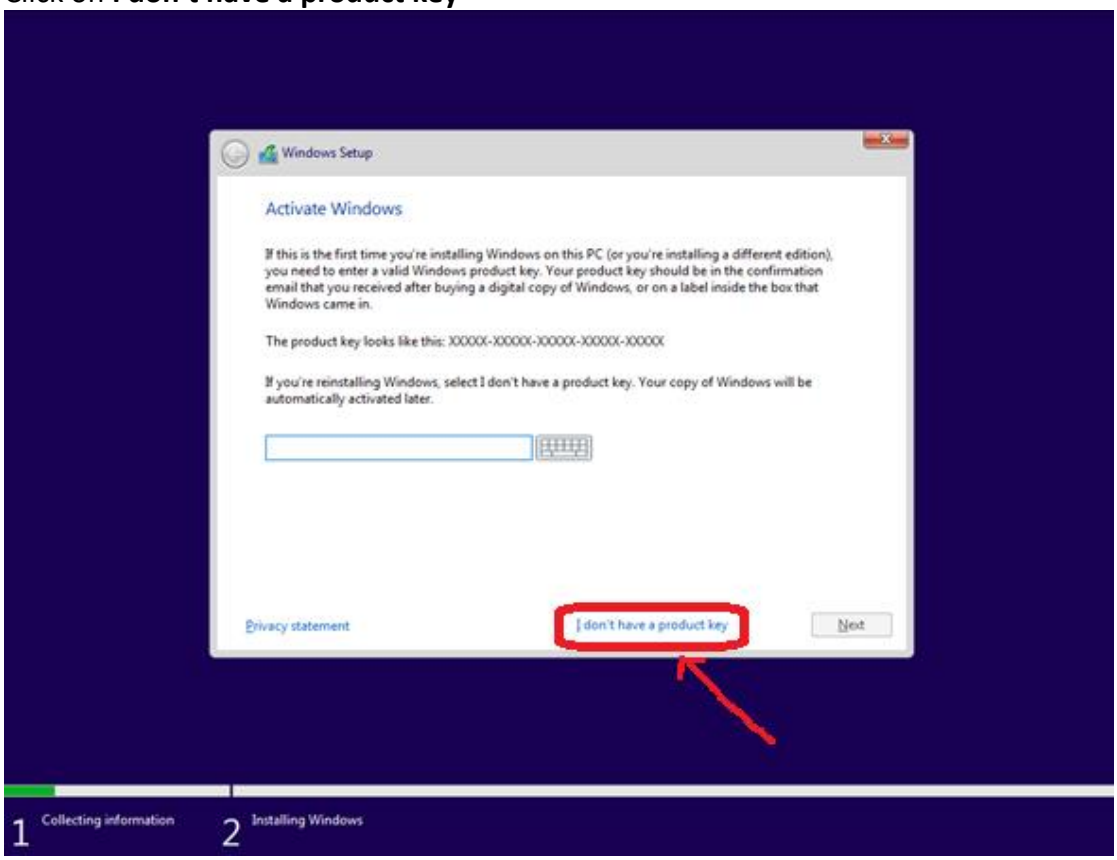
Follow the following configuration and Click on **Next** Button



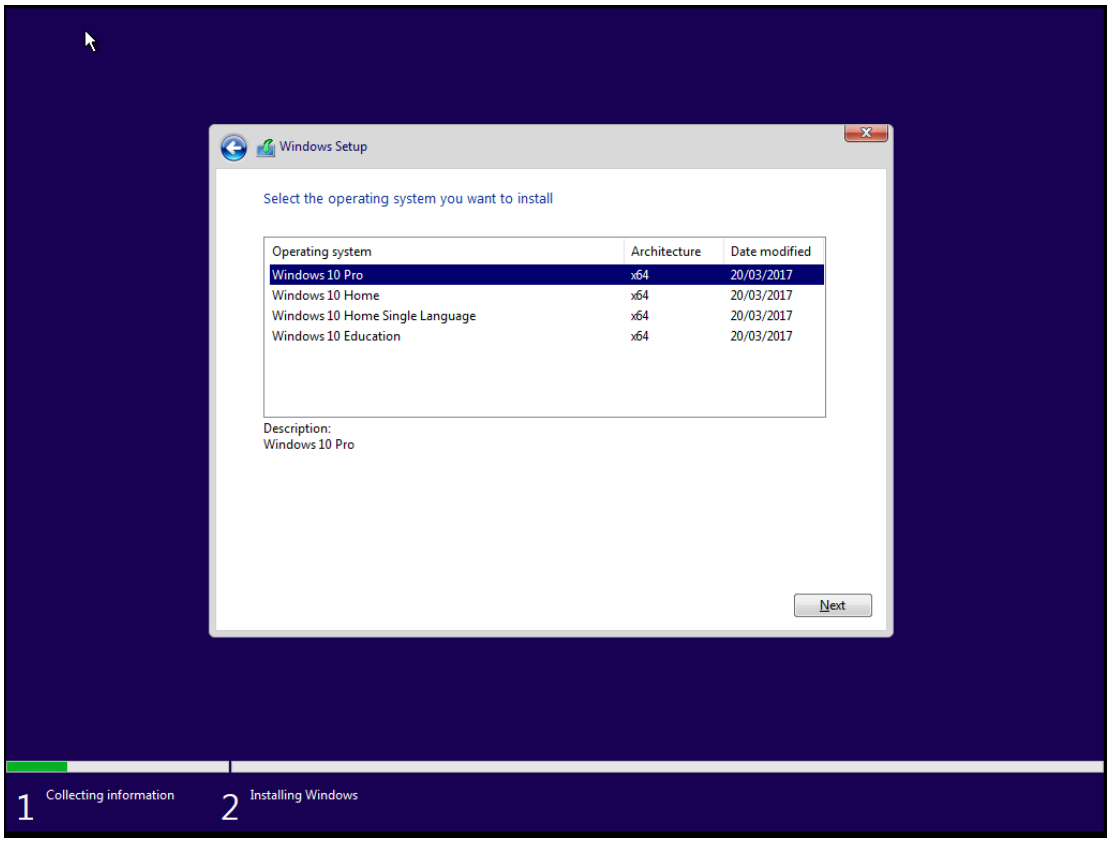
Click on **Install now** button



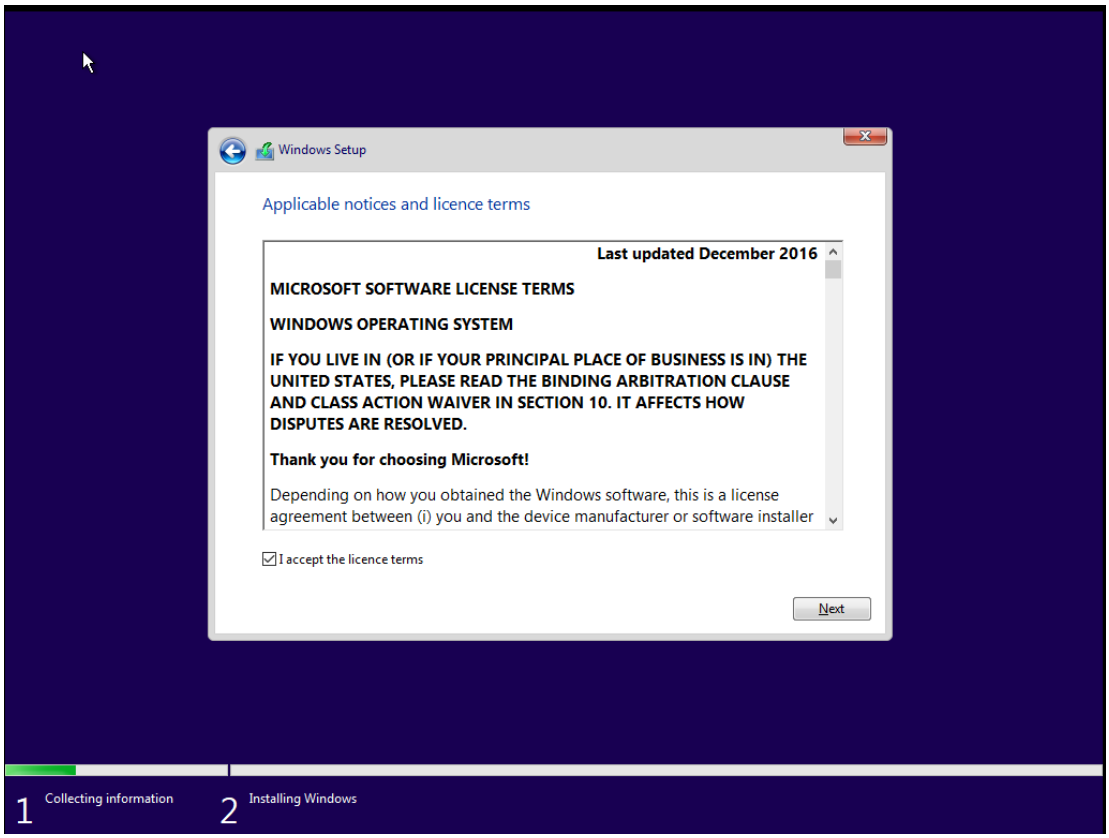
Click on **I don't have a product key**



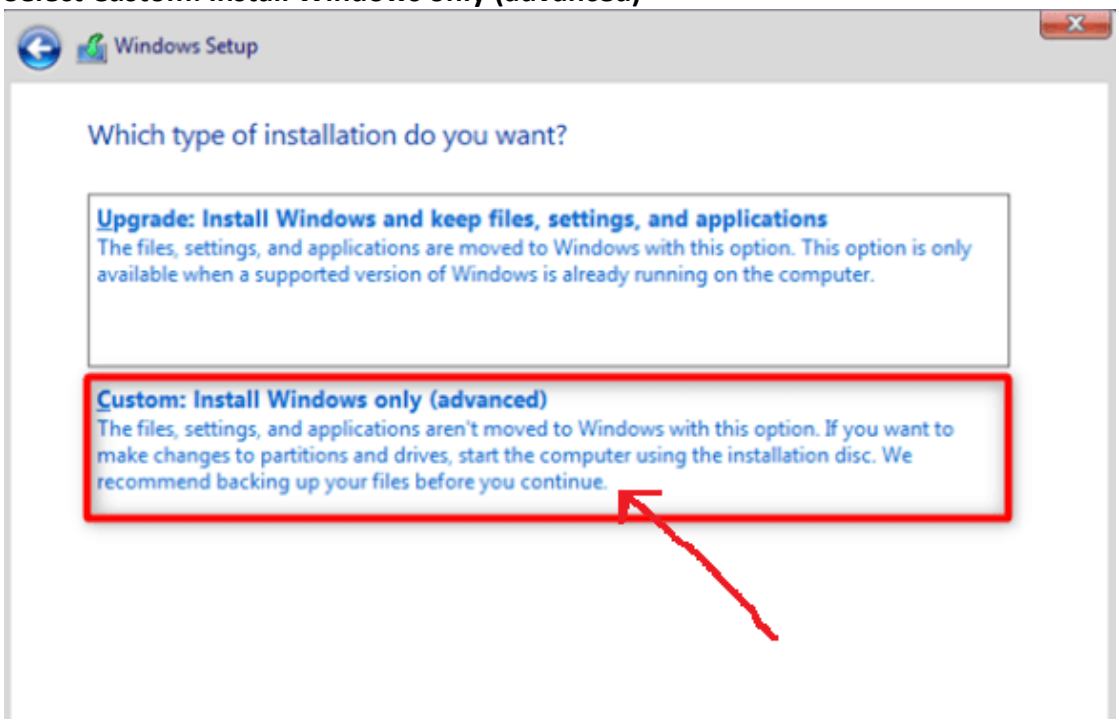
Click **Next** button



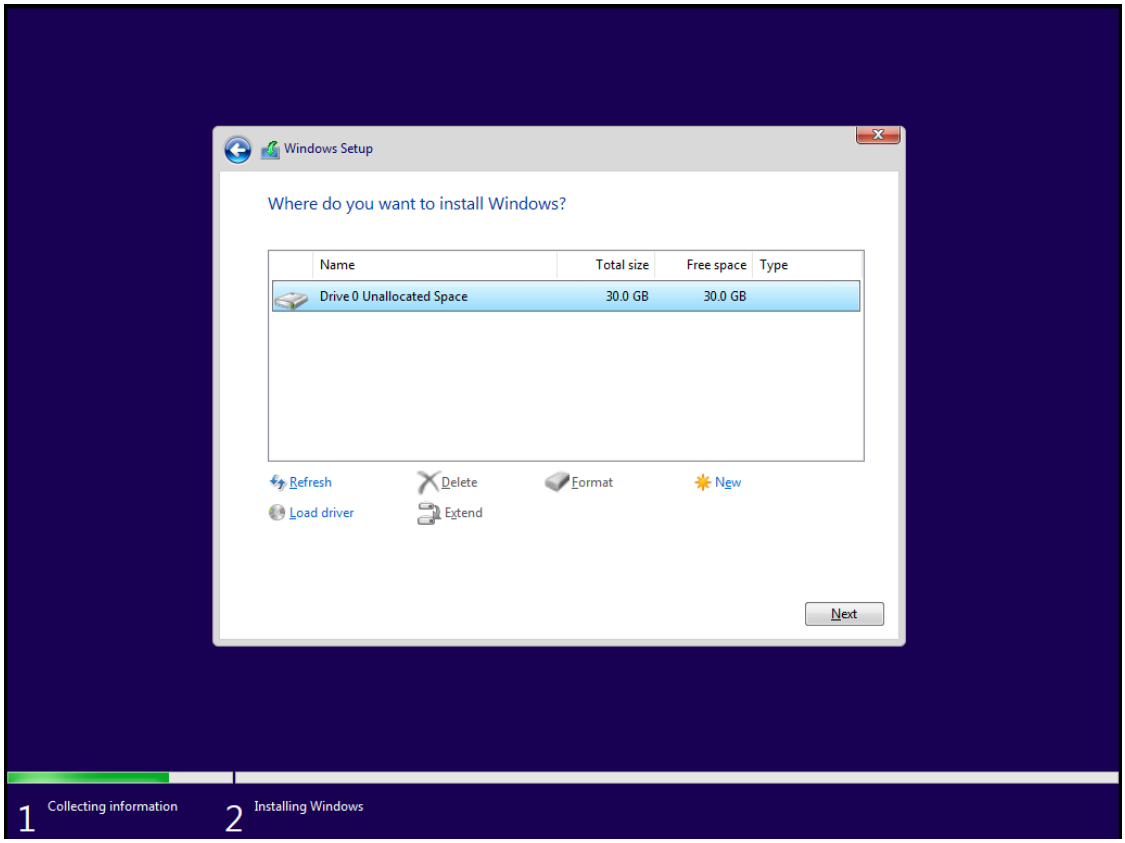
Check on **I accept the licence terms**
Click **Next** button



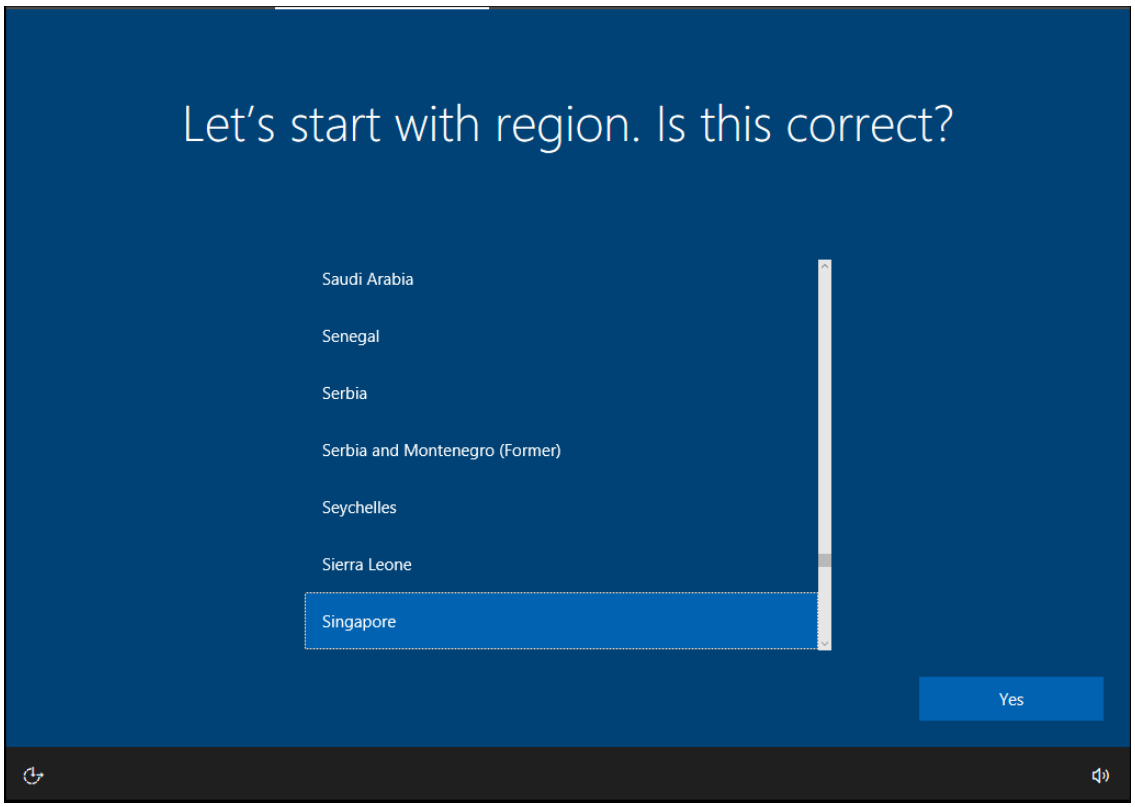
Select Custom: Install Windows only (advanced)



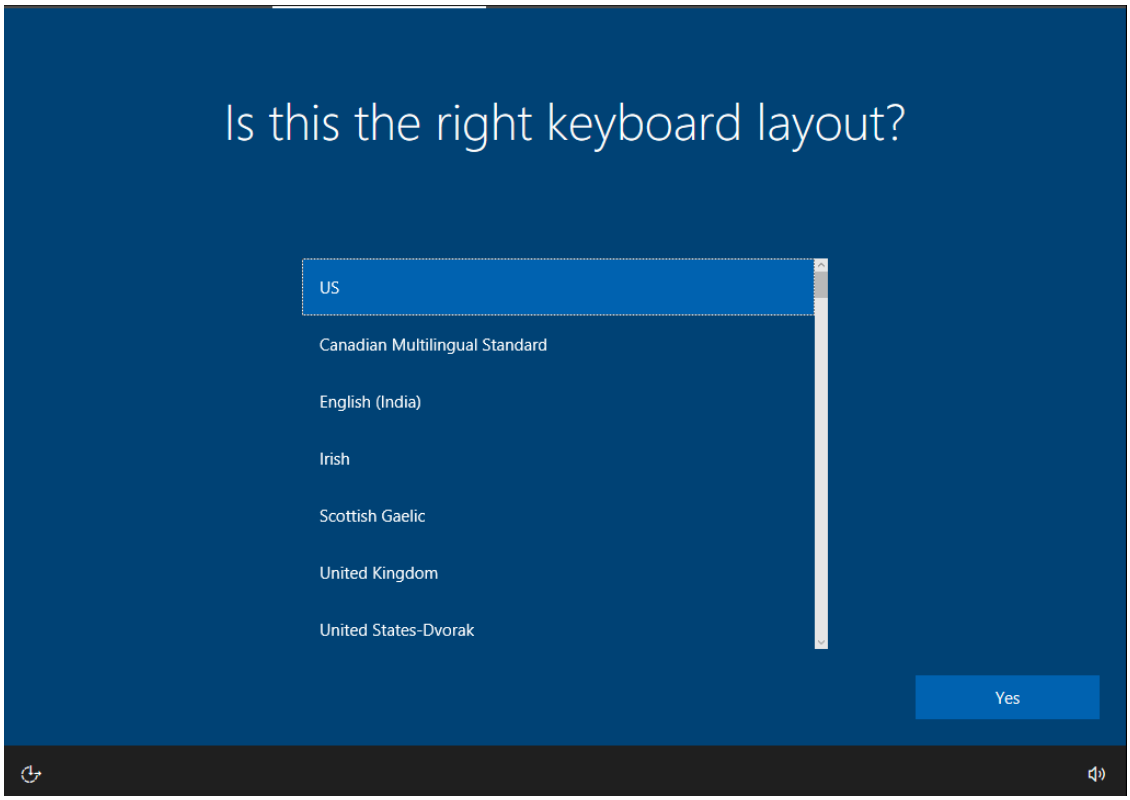
Click **Next** button



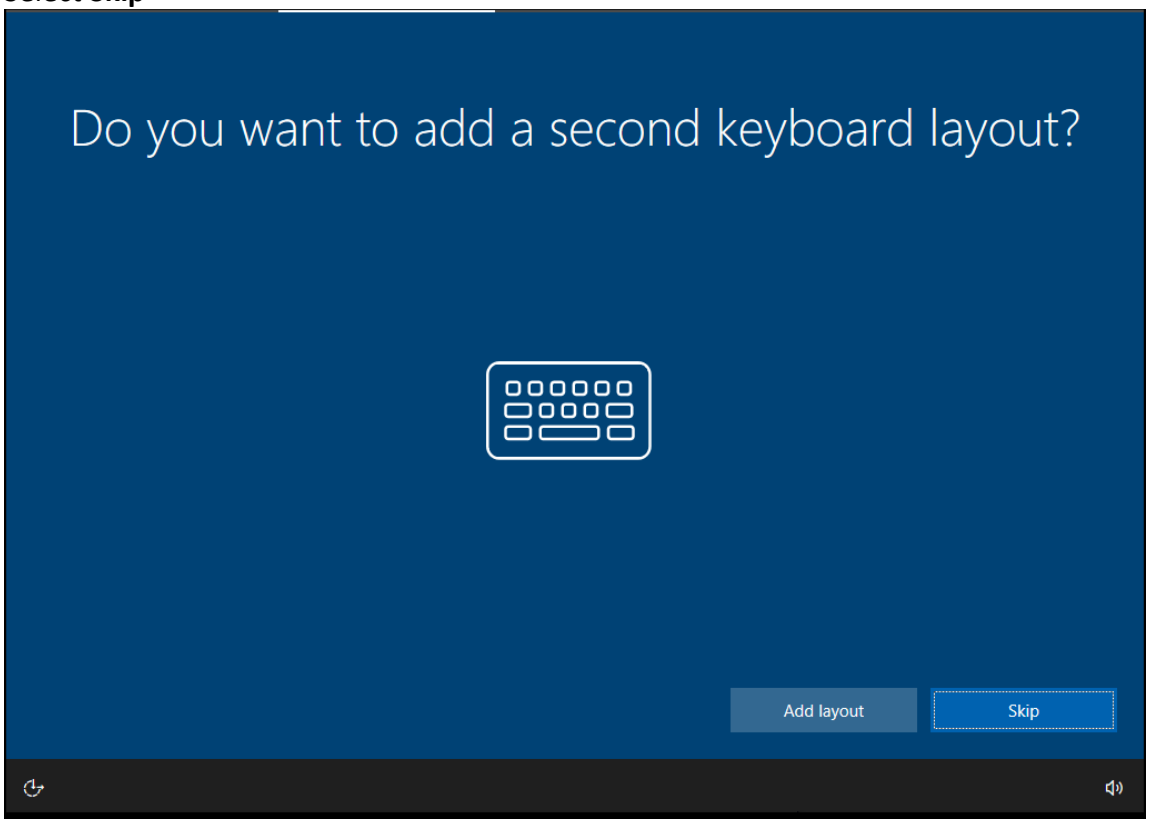
Select **Singapore**
Click **Yes** button



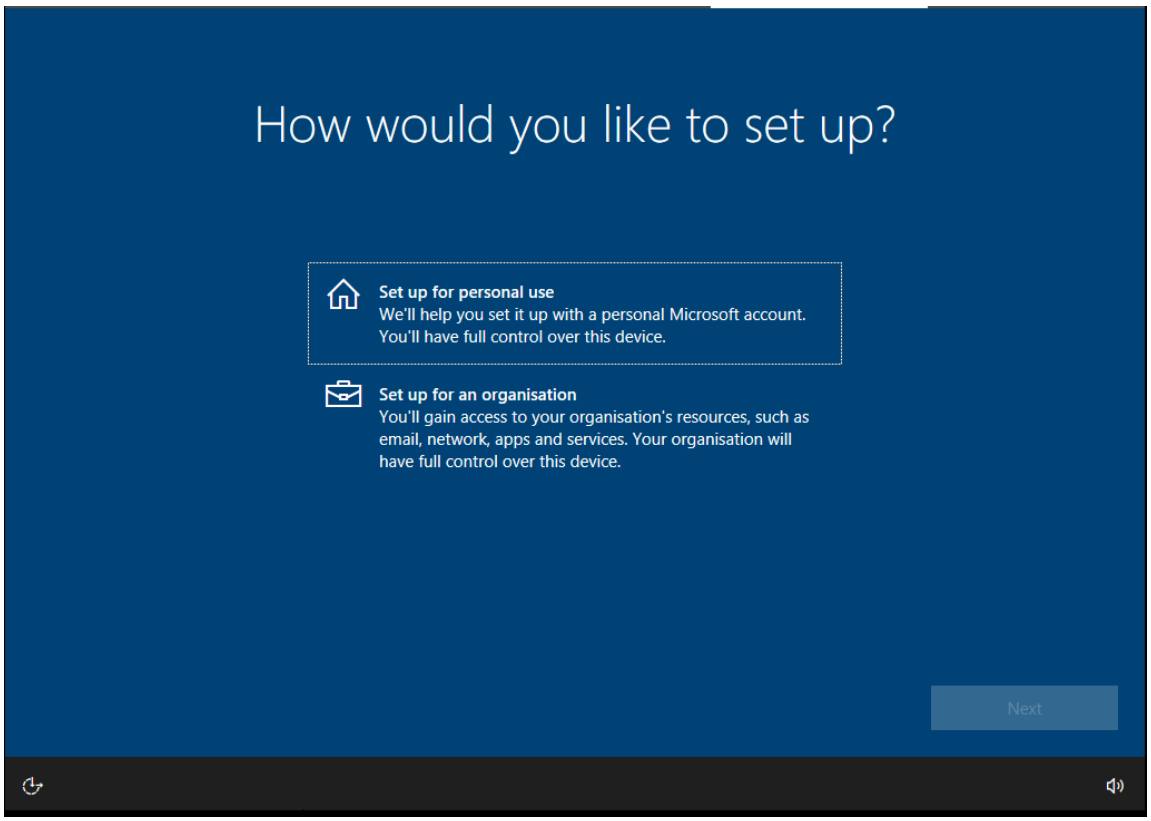
Select **US**
Click **Yes** button



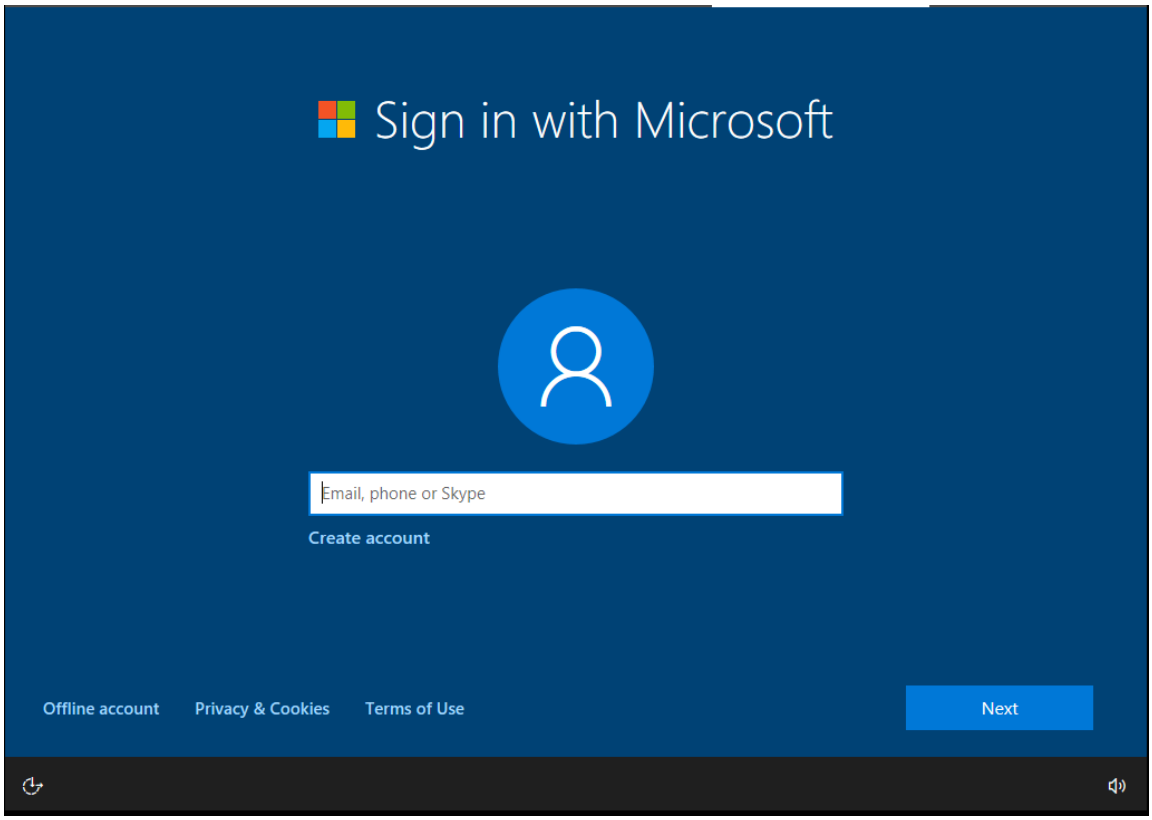
Select **Skip**



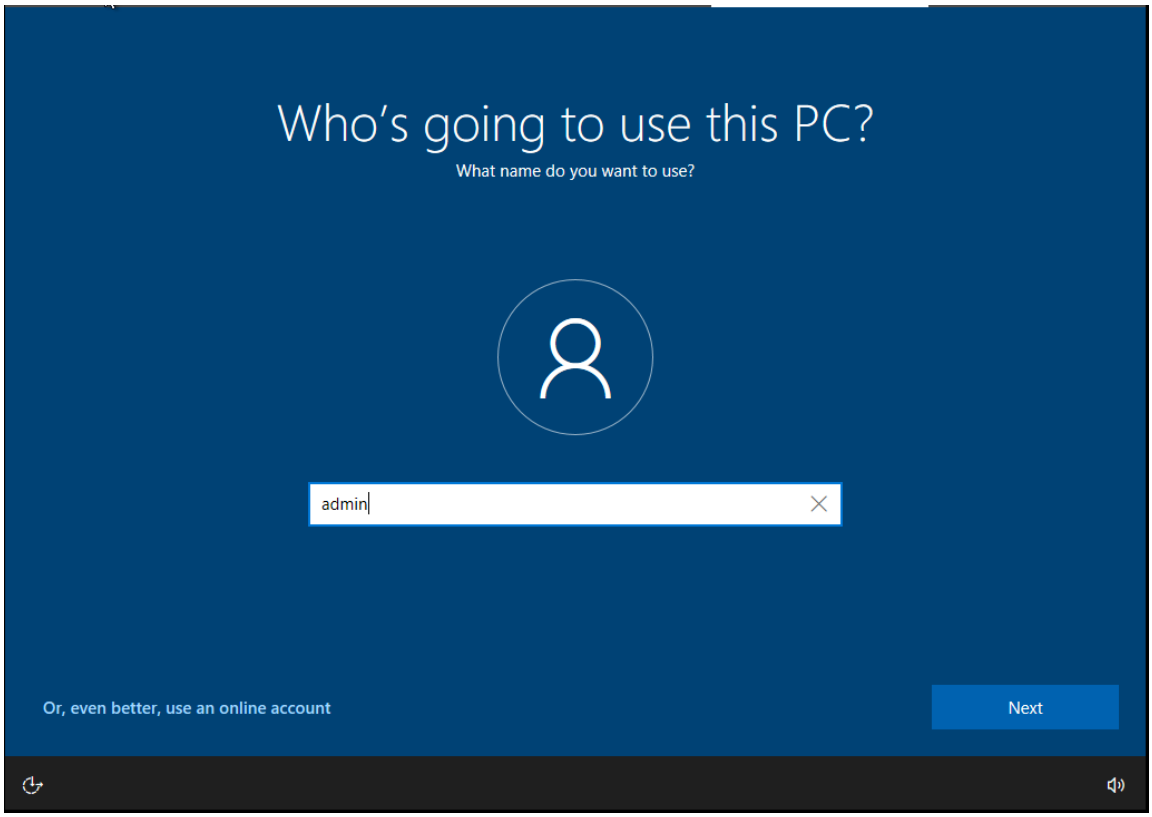
Select **Set up for personal use**
Click **Next** button



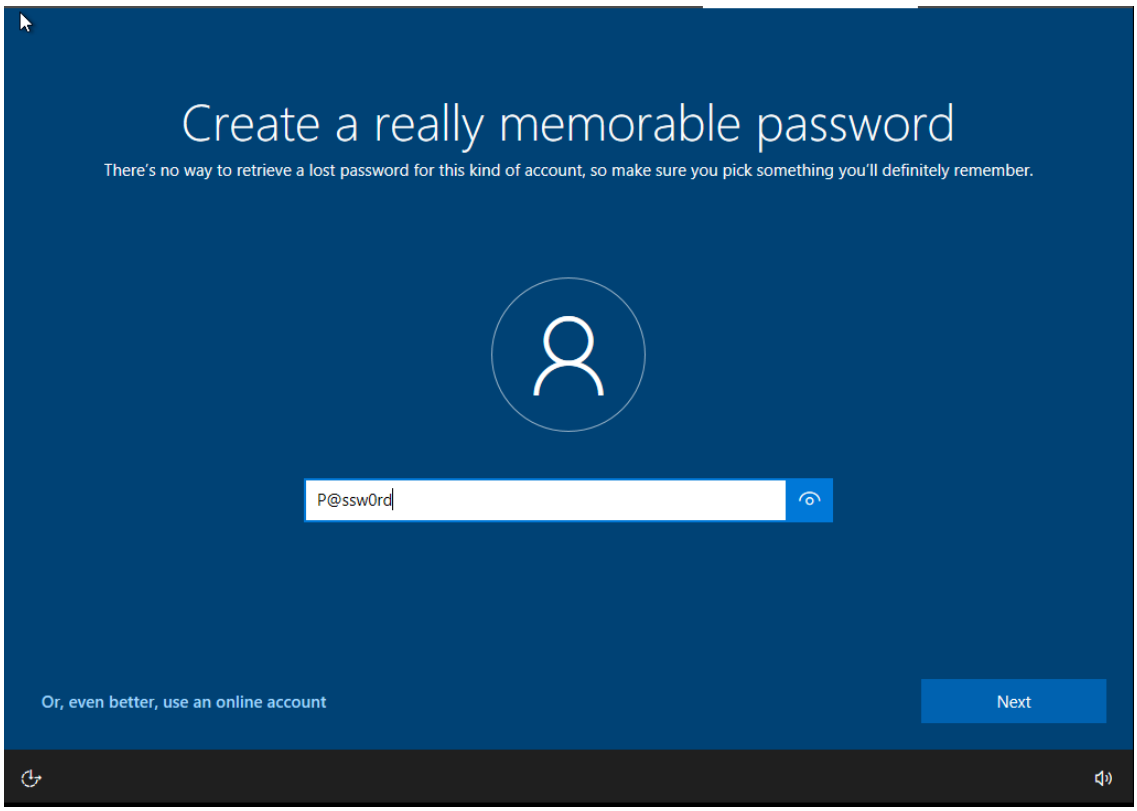
Select **Offline account**



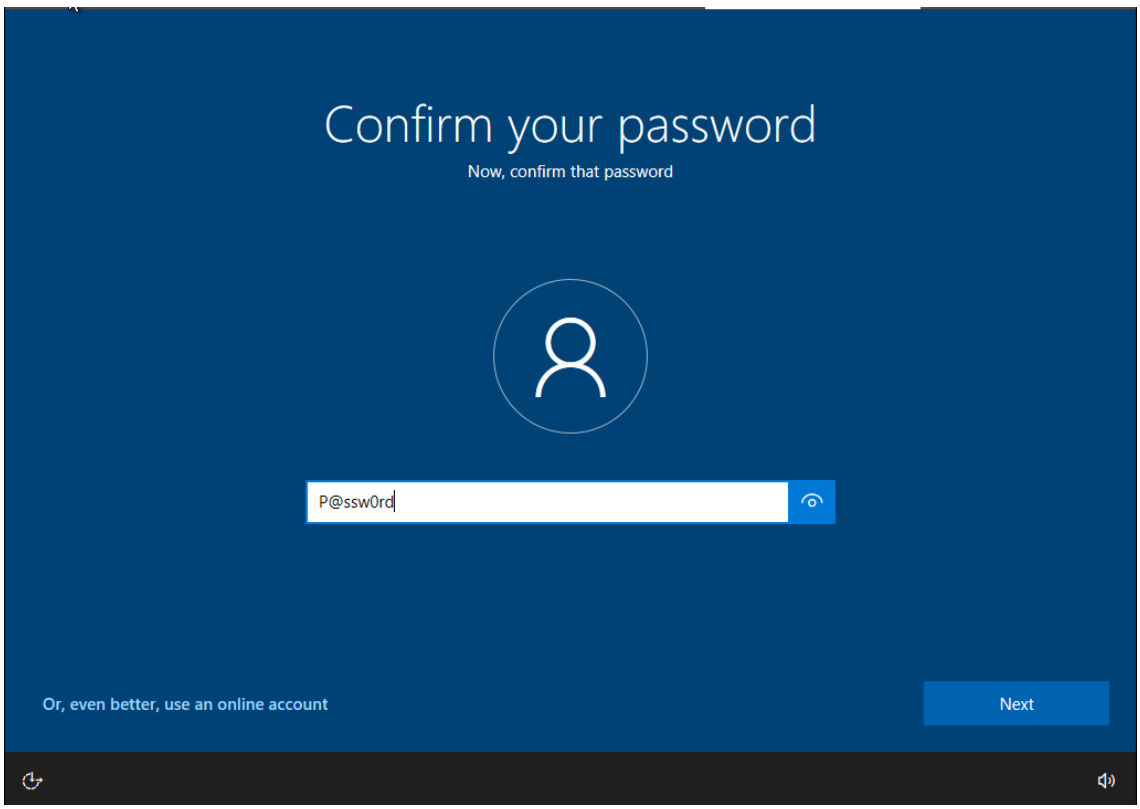
Key in **admin**
Click **Next** button



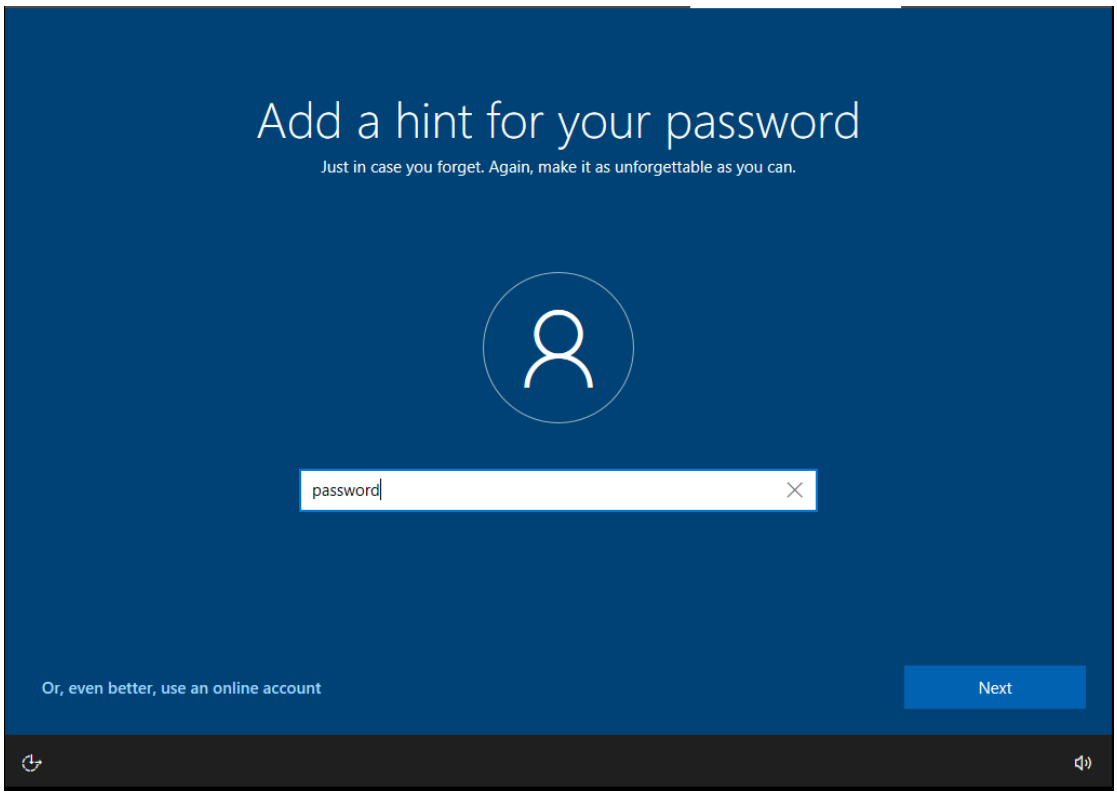
Key in **P@ssw0rd**
Click **Next** button



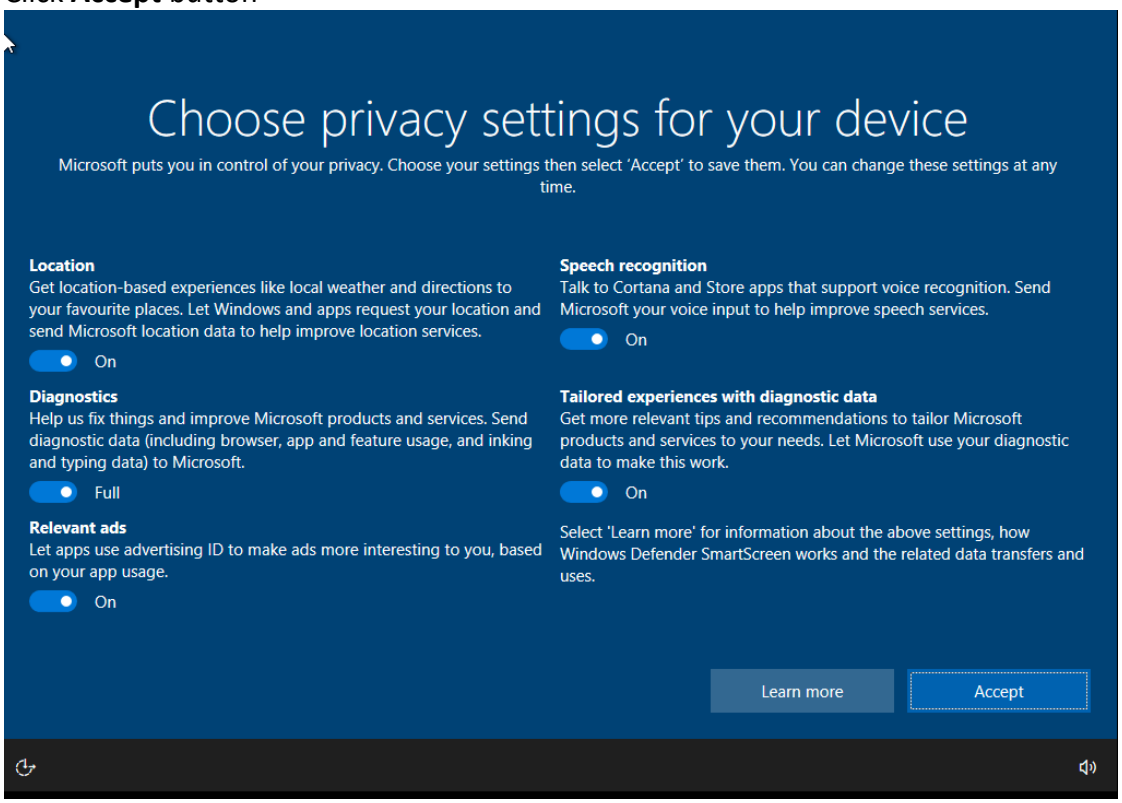
Key in **P@ssw0rd**
Click **Next** button



Key in **password**
Click **Next** button



Click **Accept** button

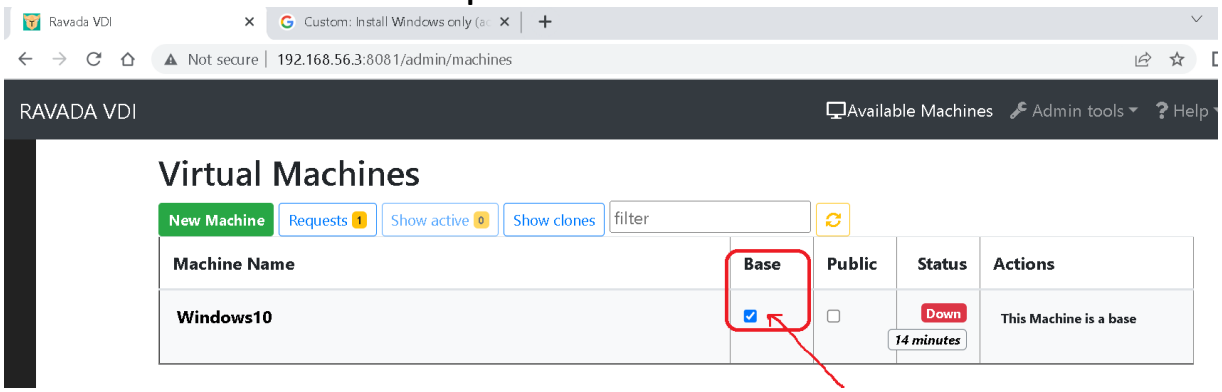


Step 5
After Windows 10 VDI OS installation completed.
Use the Windows 10 VDI IE browser to download and install the following 4 software on Windows 10 VDI.

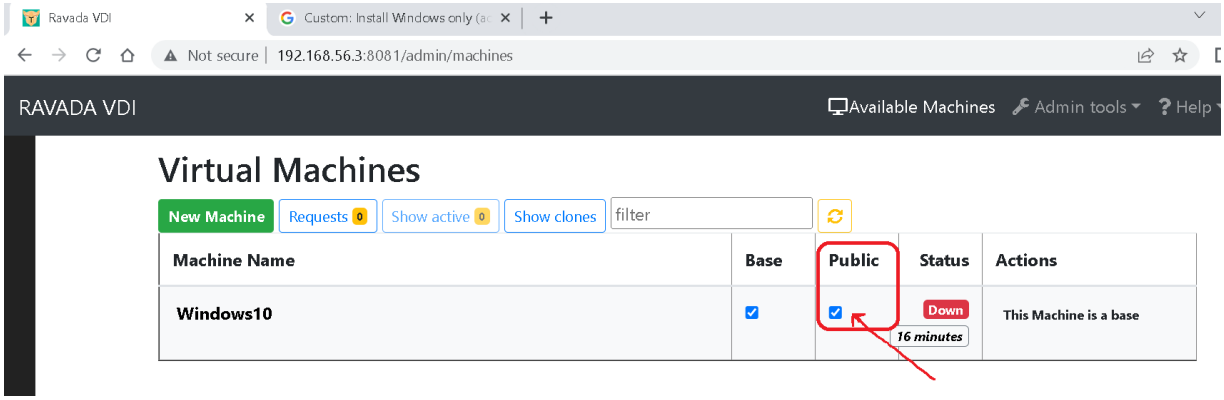
- Libre Office Suite
- Chrome Browser
- Zoom
- Sublime Text IDE

Shutdown Windows 10 VDI after all installations are completed

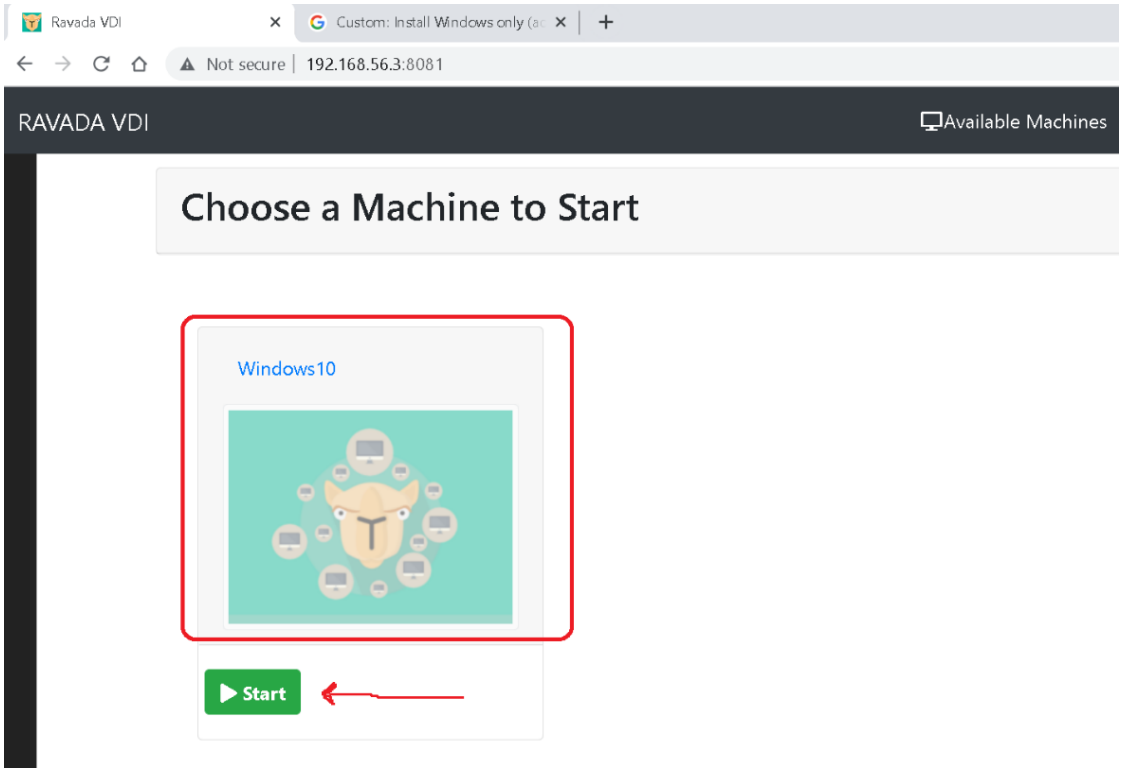
Step 6
Setting up Base and Public Image
Login to Ravada Web portal
Select Admin tools → Machines
Check on Base to make Windows 10 VDI a Base image
Wait a while for make Base to complete



Check on Public to make Windows 10 available to VDI users



Click on **Available Machine**
You will now see a Windows 10 VDI available
Click start to launch a Windows 10 VDI user instance

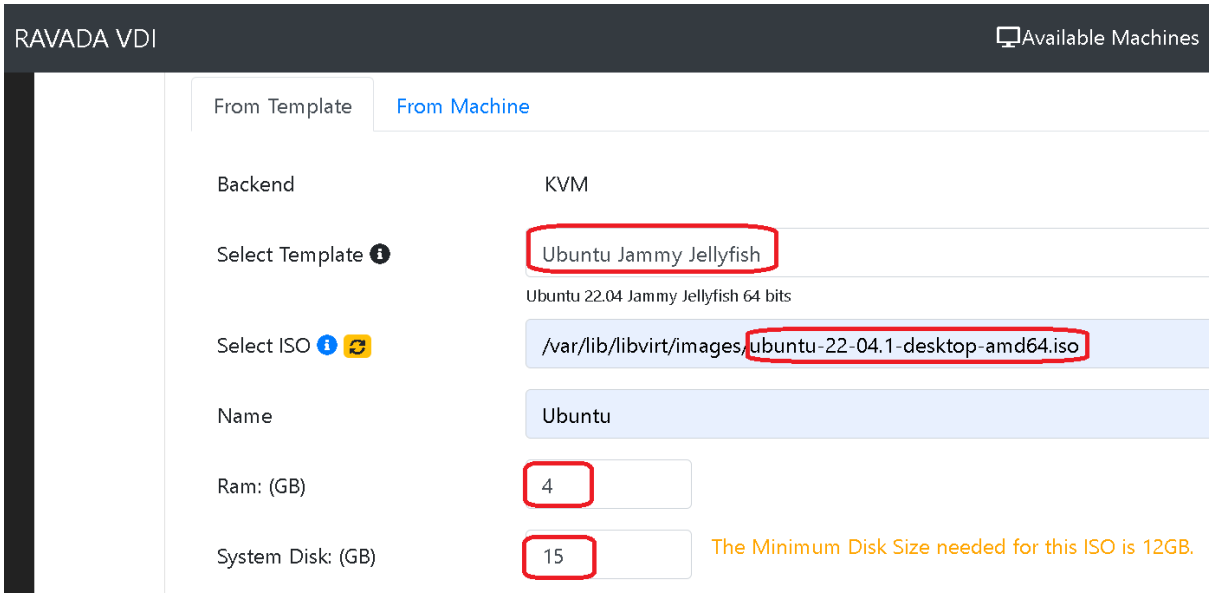


Step 7

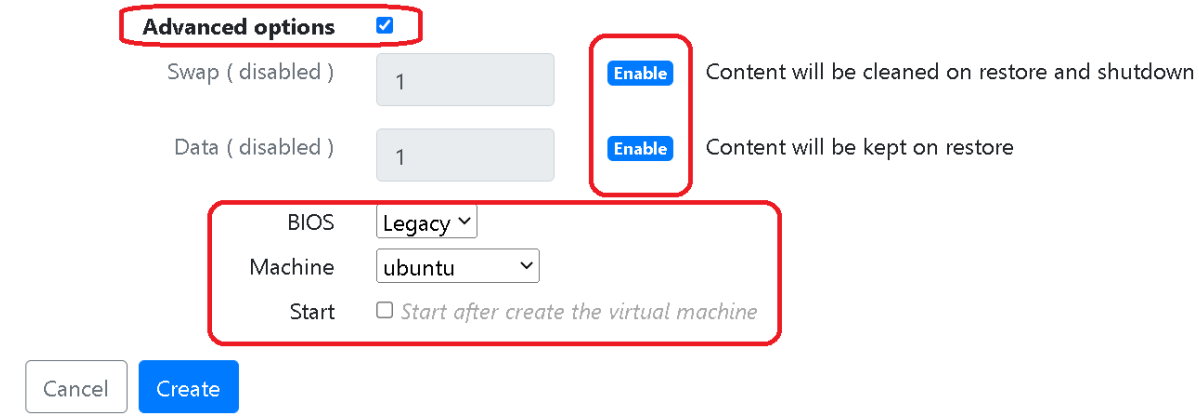
Repeat Lab 3 procedures and Create Ubuntu VDI Base image

Configure **Ubuntu VDI** specs as below:

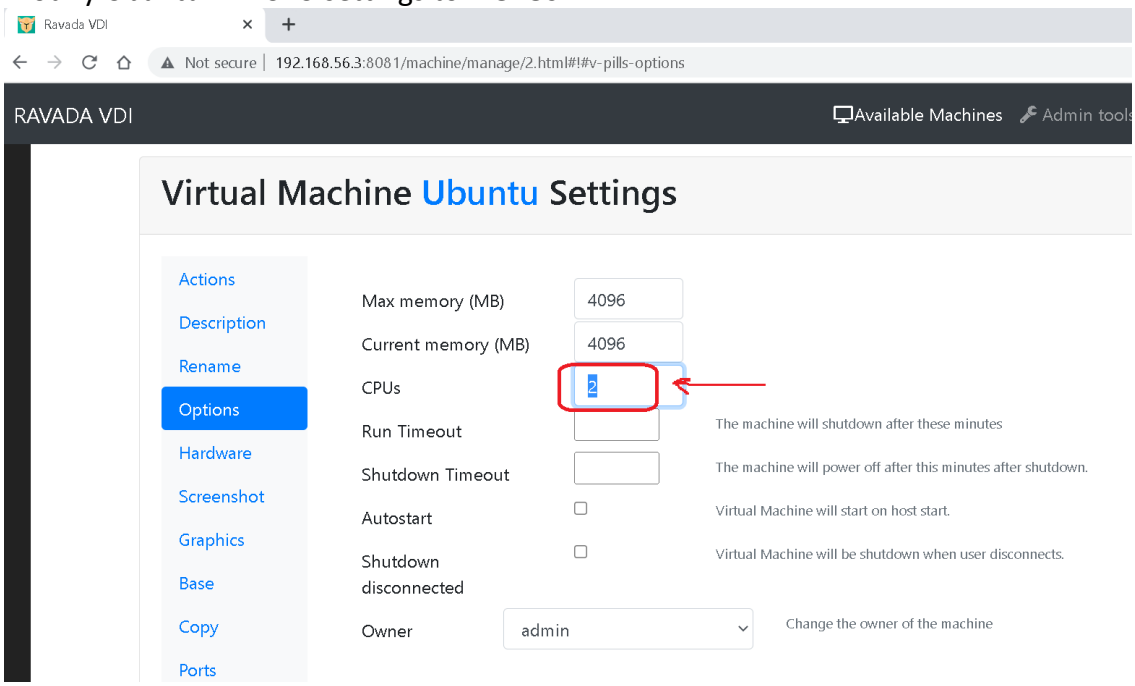
- 4GB RAM
- Hard disk size 15GB
- 2 CPUs



Disable Swap and Data partitions



Modify Ubuntu VDI CPU settings to **2 CPUs**



Modify Ubuntu VDI Network card to Intel **e1000**
Modify Ubuntu VDI hard disk to **IDE or SATA**

After Ubuntu VDI OS installation completed.
Install the following 4 software on Ubuntu VDI

- Libre Office Suite
- Chrome Browser
- Zoom
- Sublime Text IDE

Shutdown Ubuntu VDI after all installations are completed
Make Base and make Public for Ubuntu VDI