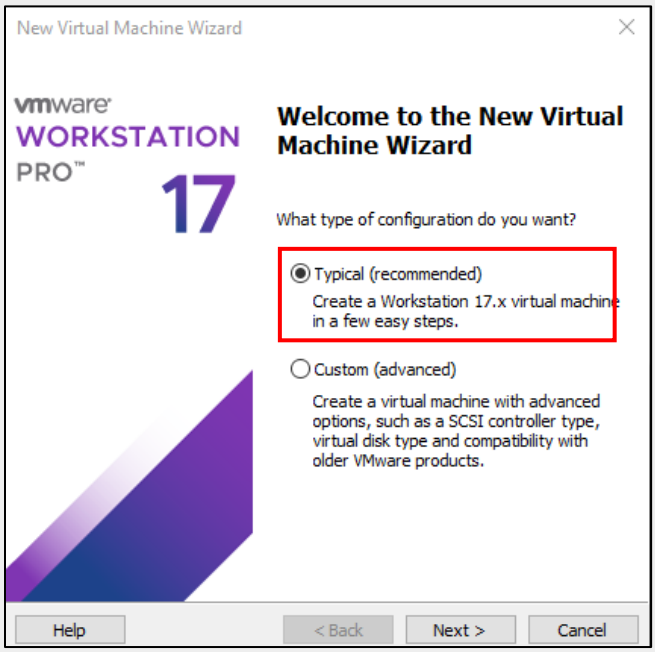
Step 1 – Virtual Machine Creation

1. Download the Ubuntu Desktop iso image using the following link:

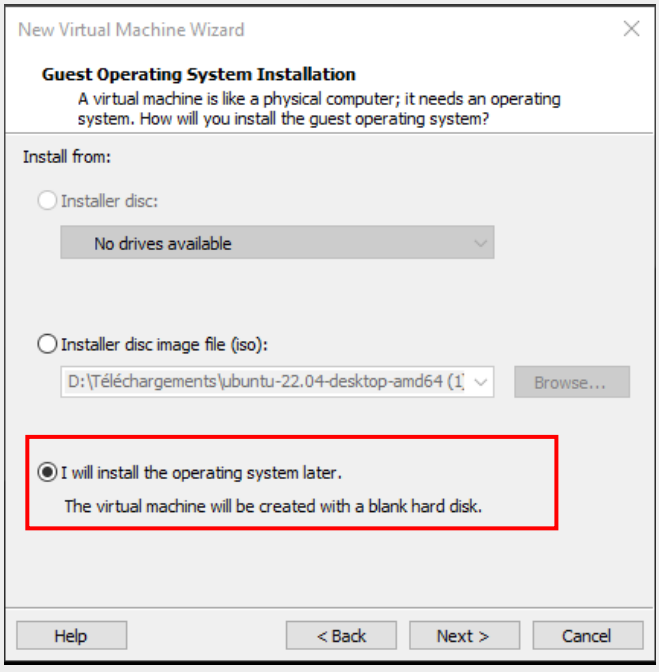
   https://releases.ubuntu.com/22.04.3/ubuntu-22.04.3-desktop-amd64.iso

2. Once the ISO is fully downloaded, open **VMWare Workstation**.

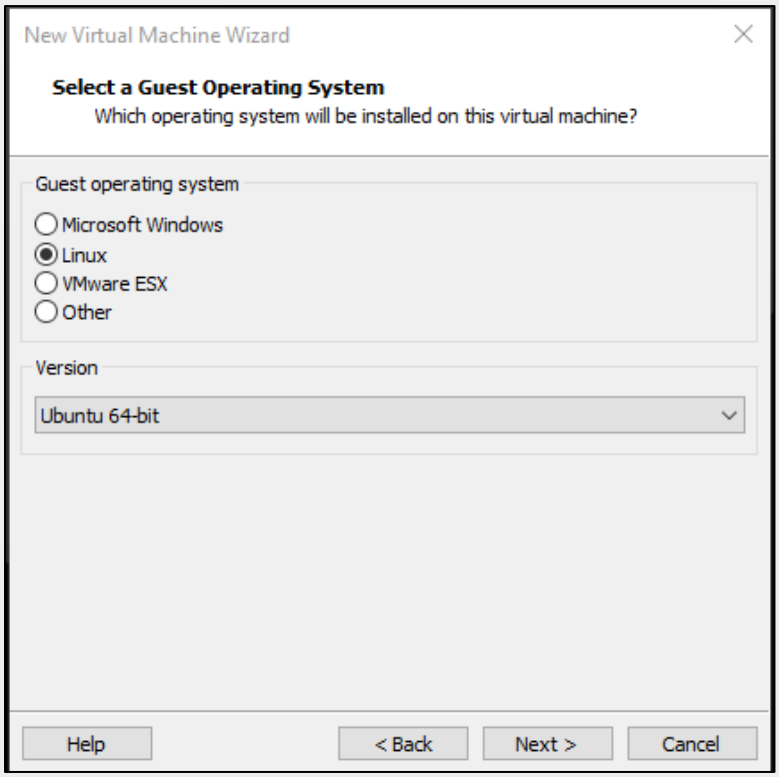
3. Start **Creating a new VM** → Select a **Typical (recommended)** and click **Next**



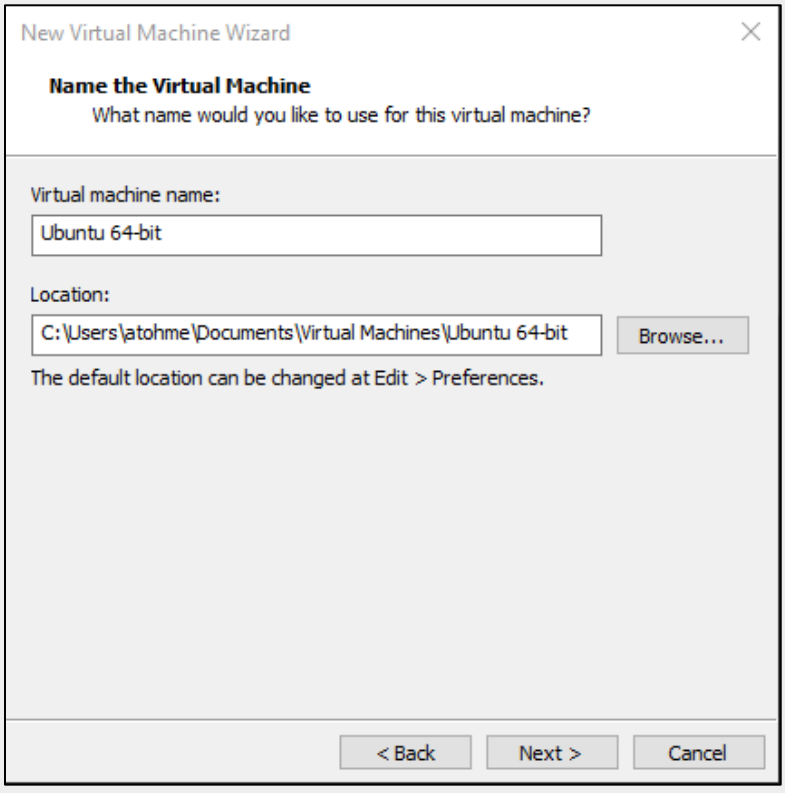
4. Select **I will install the operating system later**, then click on **Next**.



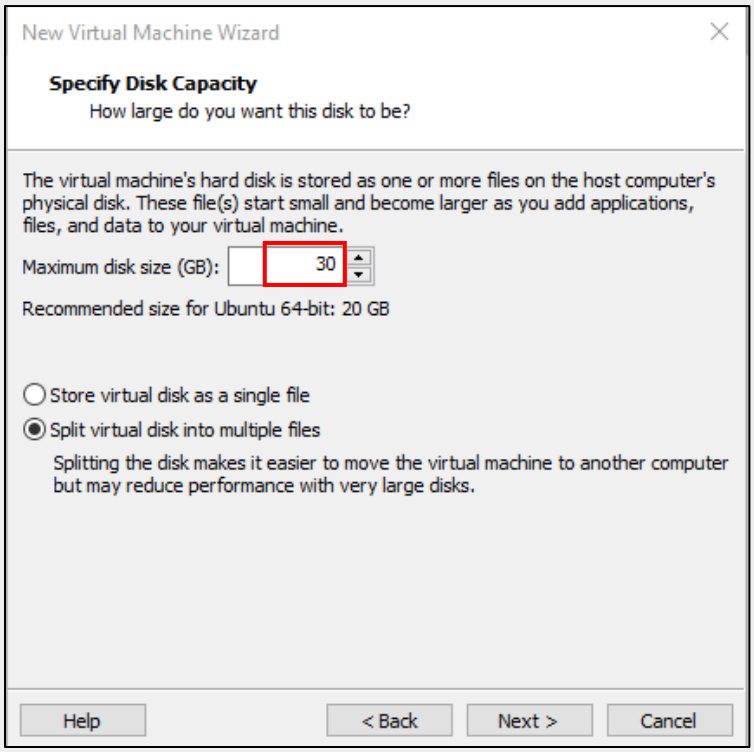
5. Select **Linux 64-bit Ubuntu** version and click **Next**.



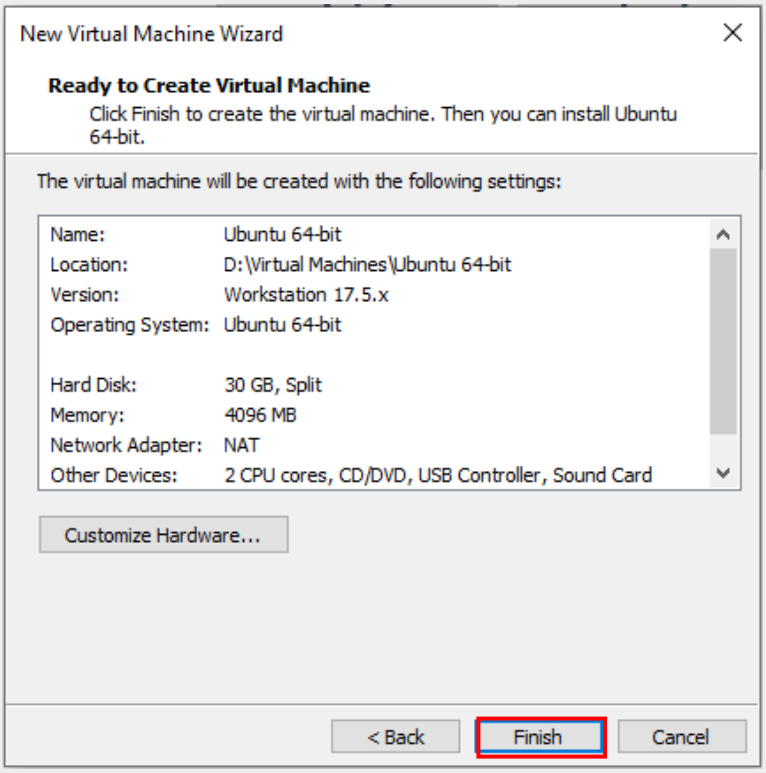
6. Keep the **Ubuntu 64-bit** name and then click **Next**.



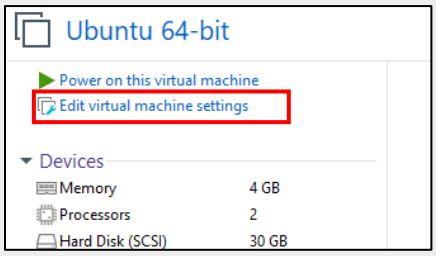
7. Select **30 GB** disk size, and then click **Next**.



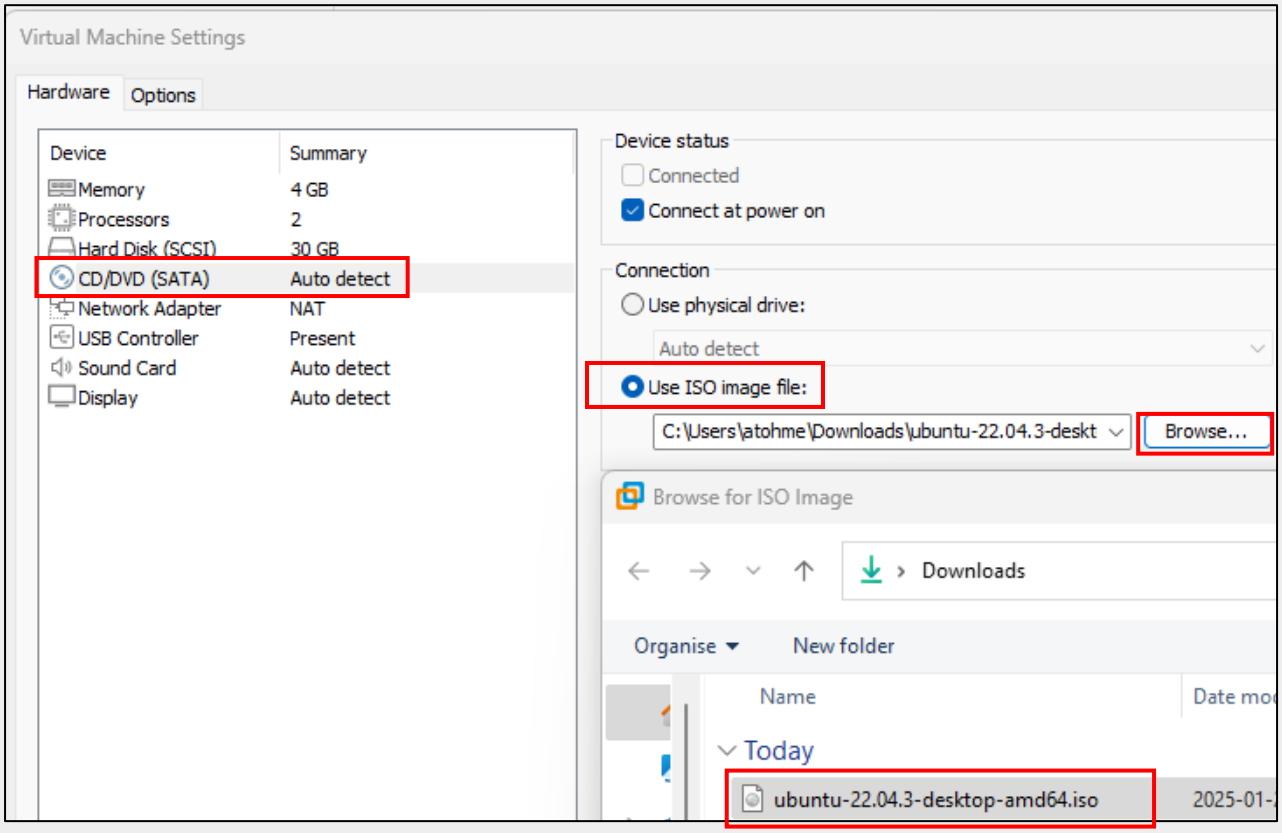
8. Click on **Finish**



9. Select **Edit virtual machine settings**



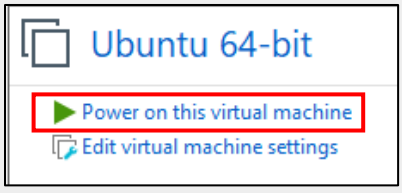
10. Click **CD/DVD → Use ISO image file → Browse →** Select the **ISO image** you just downloaded and click **Open.**



11. Click on **OK** to close this window

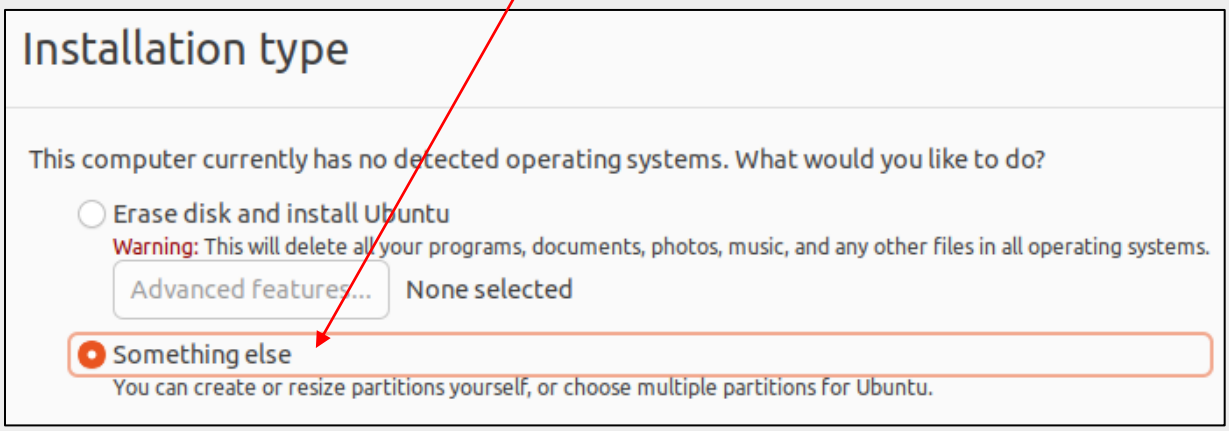
Step 2 - Installing Ubuntu Server

1. Power on the virtual machine.

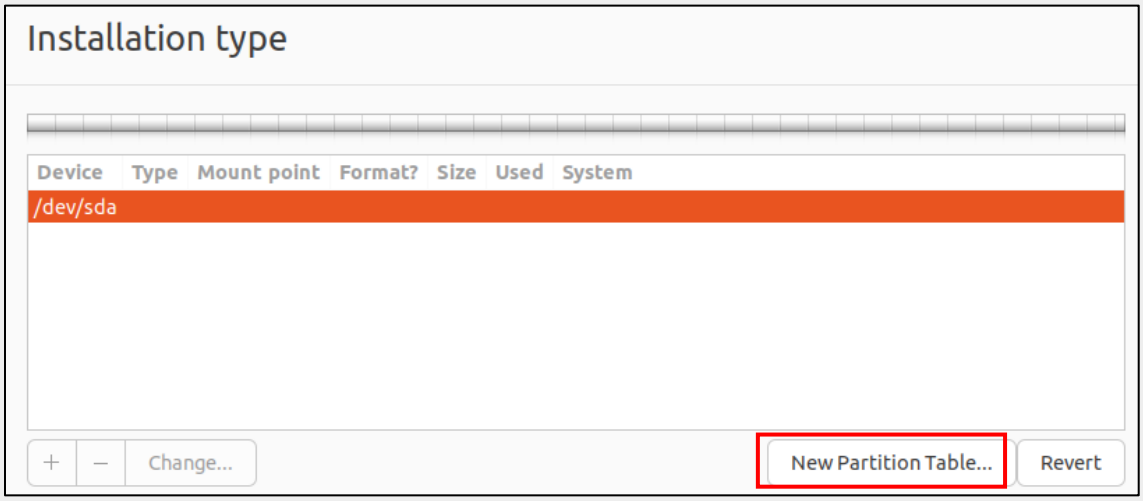


2. Select **Try or Install Ubuntu.**

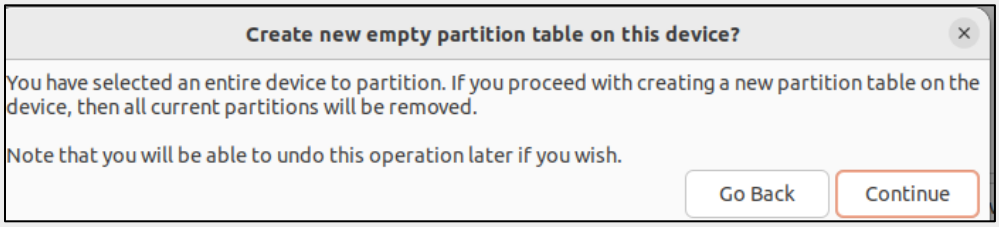
3. Select **English** then click **Install Ubuntu**.
4. Keep **English (US)** then click **Continue.**
5. Click **Continue** on the **Updates and other software** page**.**
6. On the **Installation type** page select **Something else** and then click **Continue.**



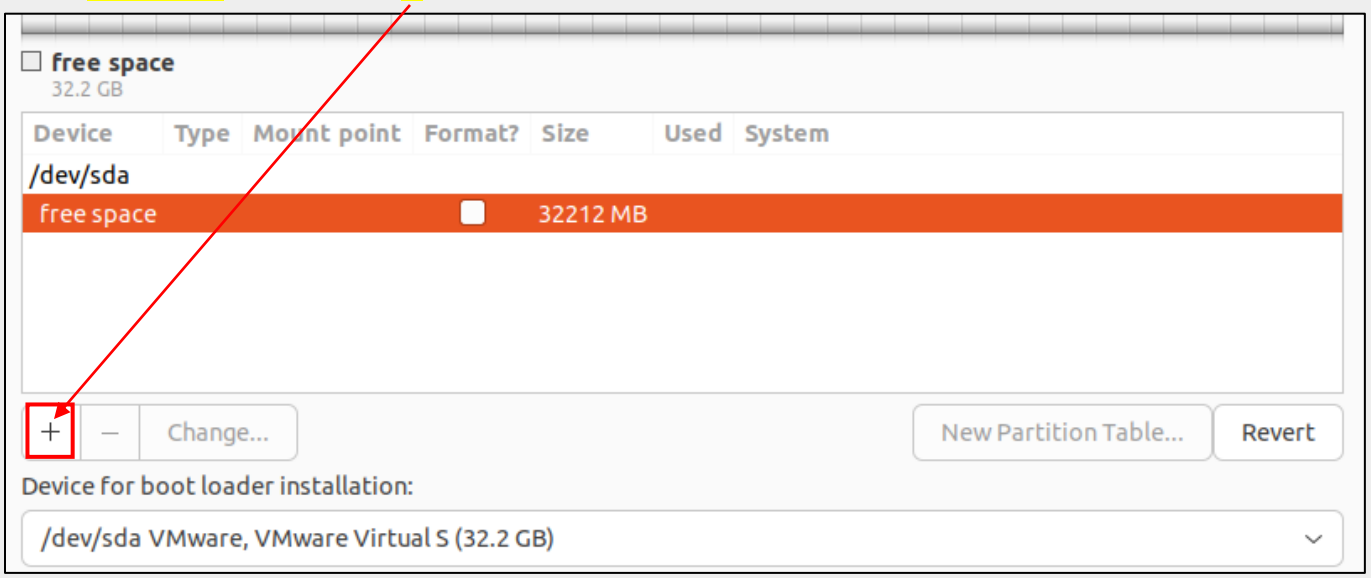
7. Click the **New Partition Table button…**



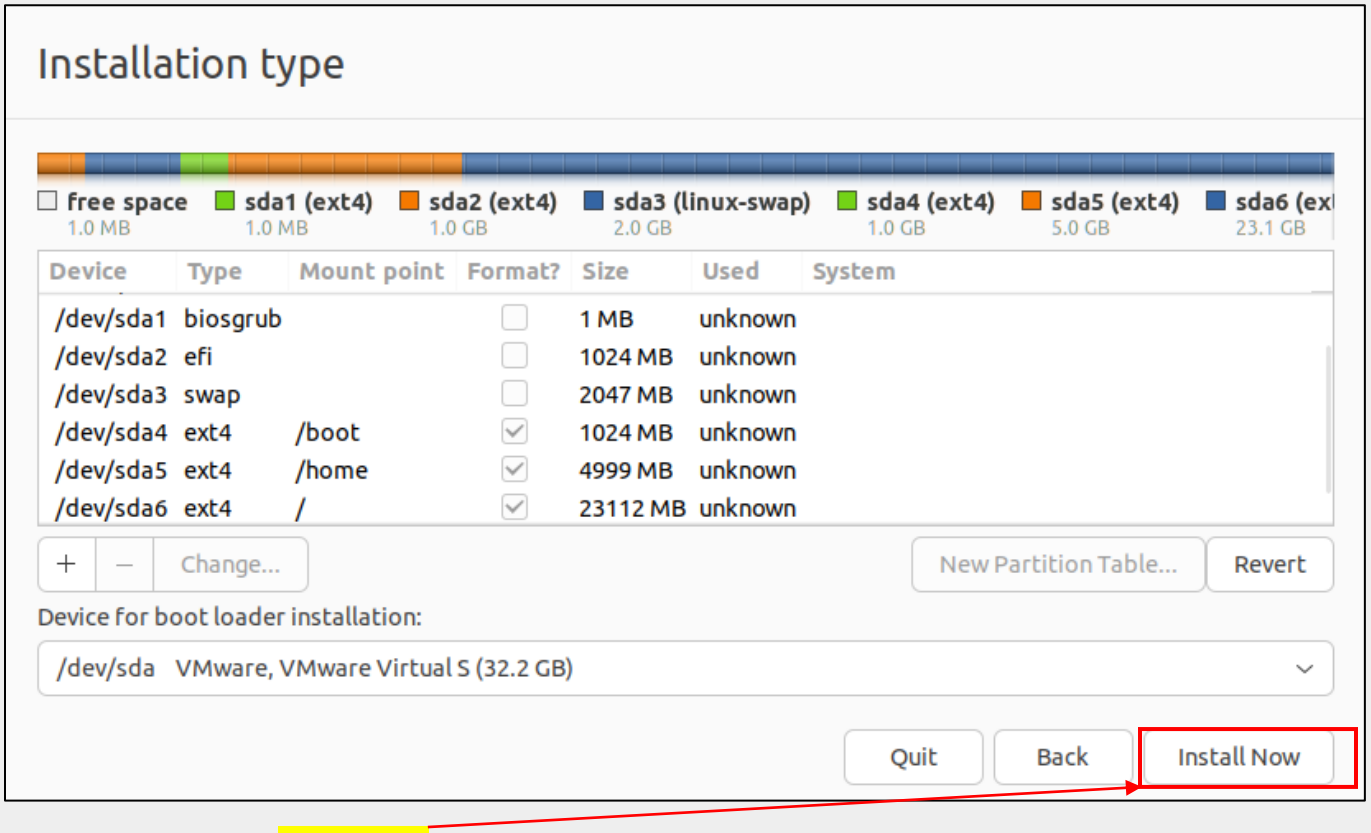
8. Click on **Continue.**



9. Select **free space** and click the **+** button to add **new partition**.



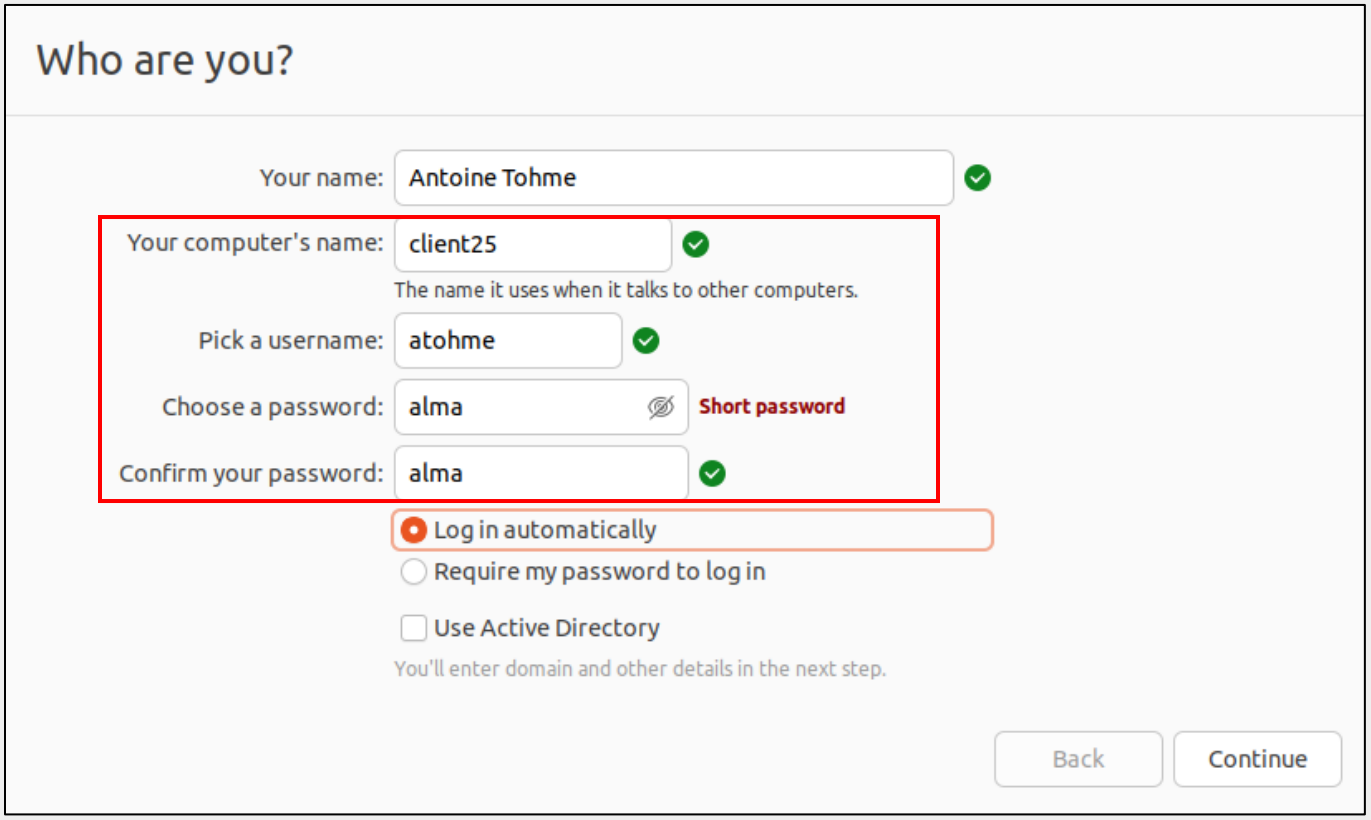
10. Create partitions to get the following result: ***(Remember to click on free space each time before creating a new partition).***



11. Once complete, click **Install Now** and then **Continue**.

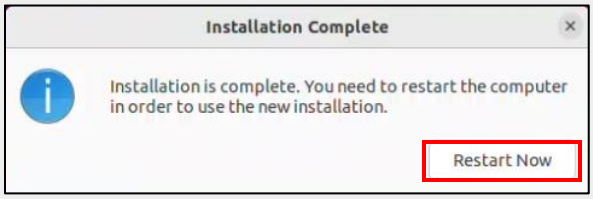
12. On the **Where are you page?** Type **Montreal** and select **Montreal, Quebec,** then click **Continue.**

13. On the next page, use the same **username/password** you created on AlmaLinux, **client*XX (XX is your remote computer number)***, enter the rest of the information and click **Continue.**

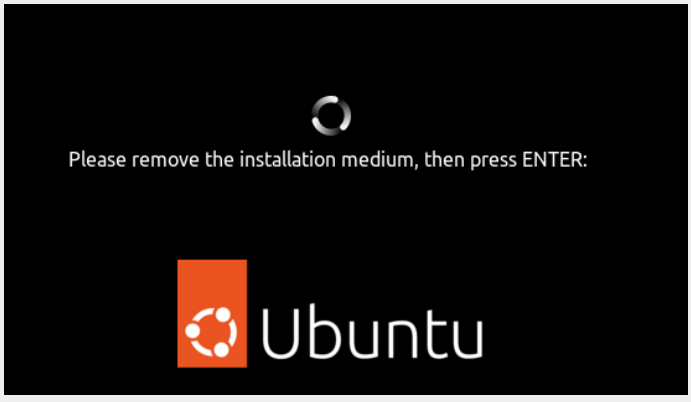


14. The installation will start.

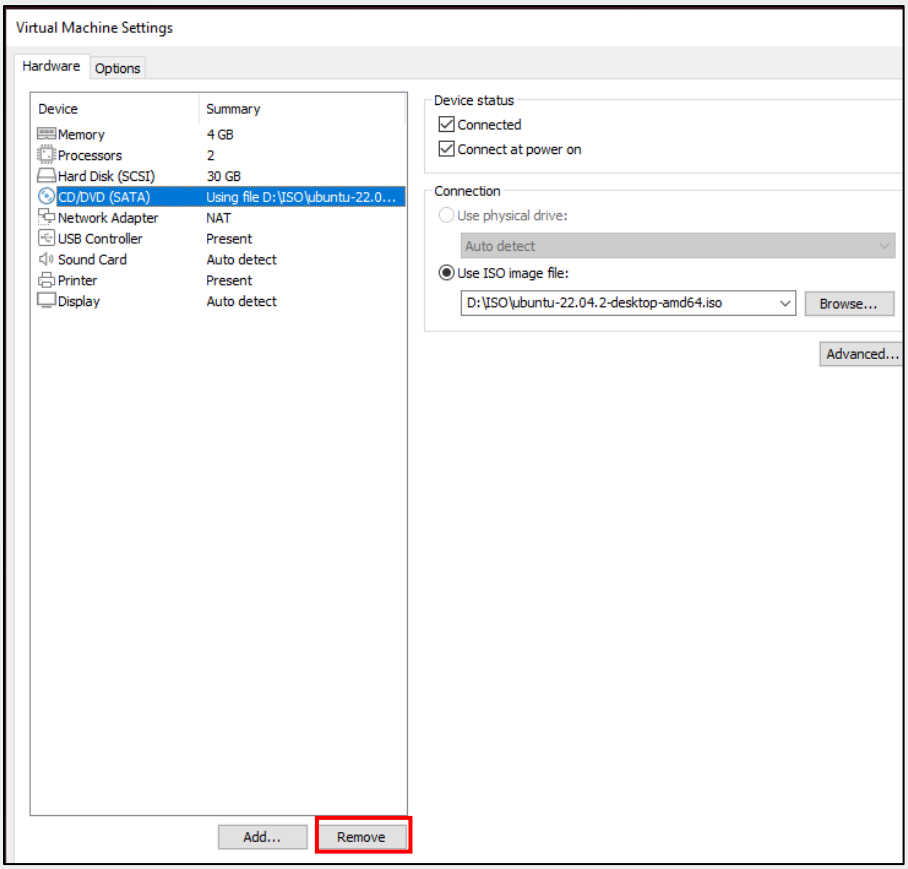
15. At the end of the installation, click **Restart Now.**



16. A message will appear asking you to remove the CD/DVD from the installation.

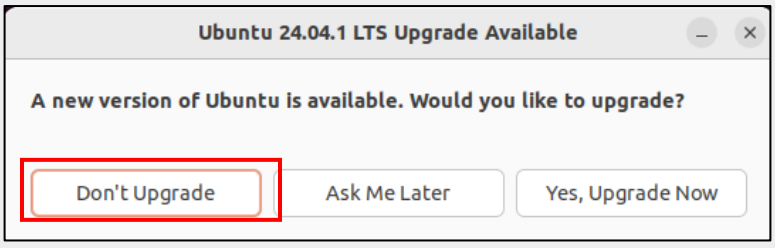


17. Open the **VM Settings** and remove the **CD/DVD (SATA)**, then click **OK**.

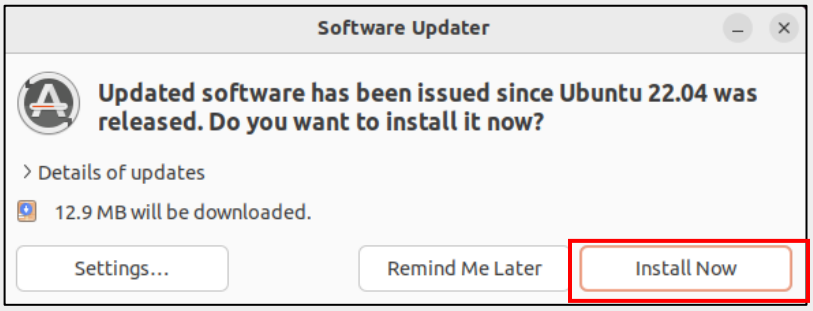


18. Then, click using the mouse into the VM window. Click on **Enter** to start the machine.

19. Once started, **wait for a minute** a message will appear to upgrade the version of Ubuntu, click on **Don't Upgrade**.



20. Another message will appear to upgrade the software, click **Install Now**, to install those updates.



21. Once the update installation is complete, click **Restart Now.**

22. Once connected, open a **Shell terminal** and run the following commands, to uninstall the **snapd** application. We don't need for this course:

    sudo snap remove --purge firefox

    sudo snap remove --purge snap-store

    sudo snap remove --purge gnome-3-38-2004

    sudo snap remove --purge gnome-42-2204

    sudo snap remove --purge gtk-common-themes

    sudo snap remove --purge snapd-desktop-integration

    sudo snap remove --purge bare

    sudo snap remove --purge core20

    sudo snap remove --purge core22

    sudo apt purge -y squashfs-tools

```
atohme@client25:~$ udo snap remove --purge firefox
Command 'udo' not found, but can be installed with:
sudo apt install udo
atohme@client25:~$ sudo snap remove --purge firefox
[sudo] password for atohme:
firefox removed
atohme@client25:~$ sudo snap remove --purge snap-store
snap-store removed
atohme@client25:~$ sudo snap remove --purge gnome-3-38-2004
gnome-3-38-2004 removed
atohme@client25:~$ sudo snap remove --purge gnome-42-2204
gnome-42-2204 removed
atohme@client25:~$ sudo snap remove --purge gtk-common-themes
gtk-common-themes removed
atohme@client25:~$ sudo snap remove --purge snapd-desktop-integration
snapd-desktop-integration removed
atohme@client25:~$ sudo snap remove --purge bare
bare removed
atohme@client25:~$ sudo snap remove --purge core20
core20 removed
atohme@client25:~$ sudo snap remove --purge core22
core22 removed
atohme@client25:~$ sudo apt purge -y squashfs-tools
Reading package lists... Done
```

23. Install **Google Chrome** by running these two commands:

wget https://dl.google.com/linux/direct/google-chrome-stable_current_amd64.deb

sudo apt -f install ./google-chrome-stable_current_amd64.deb

```
atohme@client25:~$ wget https://dl.google.com/linux/direct/google-chrome-stable_current_amd64.deb
--2025-03-10 11:12:25--  https://dl.google.com/linux/direct/google-chrome-stable_current_amd64.deb
Resolving dl.google.com (dl.google.com)... 142.251.41.78, 2607:f8b0:400b:807::200e
```

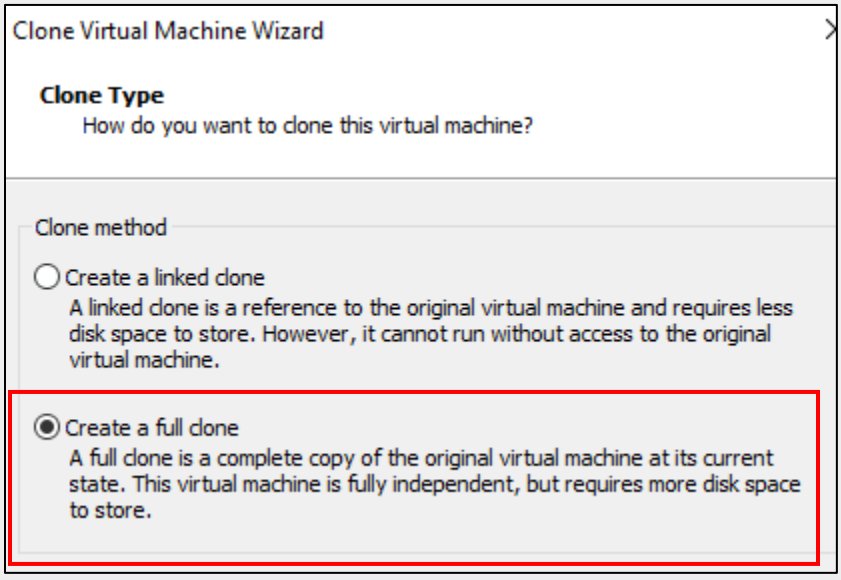
```
atohme@client25:~$ sudo apt -f install ./google-chrome-stable_current_amd64.deb
Reading package lists... Done
```

Validation:

Finally, run the **lsblk -f** command to list the partitions, the file system, their mount point, and their size.

Take a screenshot of this command and place it in the Lab 1 Word document.

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



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