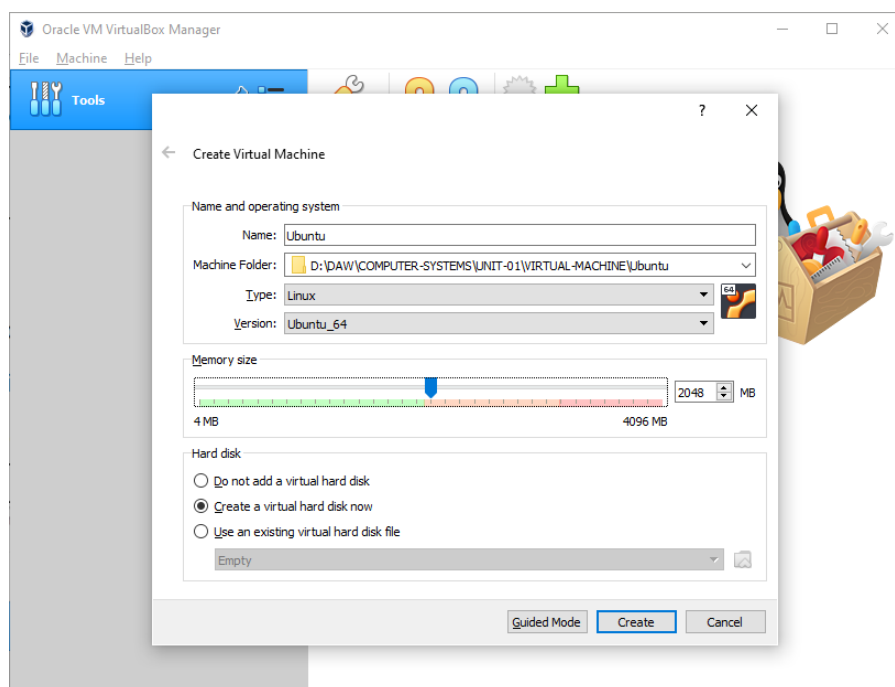


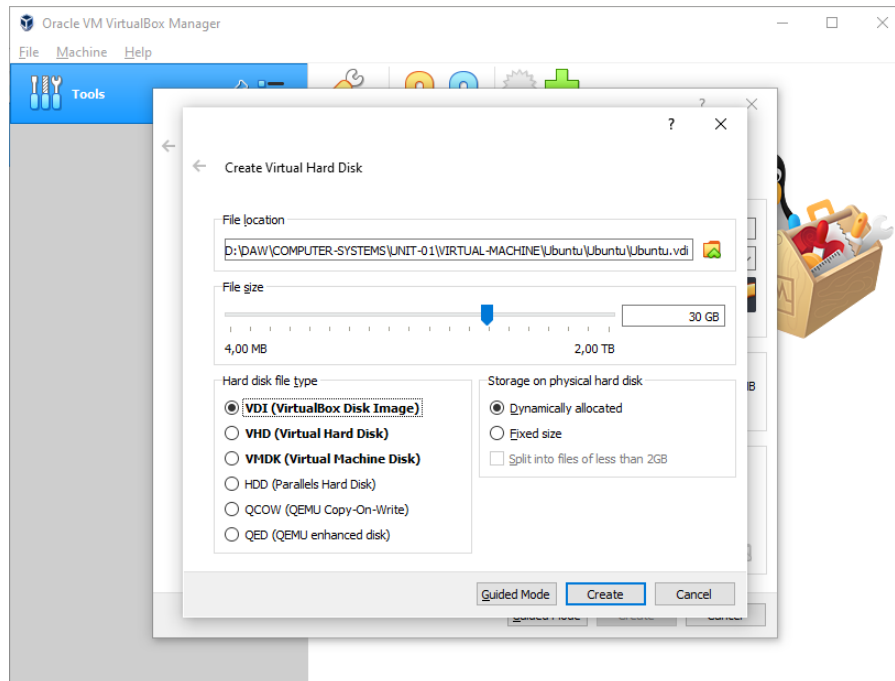
UNIT 01: OPERATING SYSTEMS INSTALLATION EXERCISES**3. Create another 64-bits virtual machine and install Ubuntu 20.04.**

The virtual machine must meet the following requirements:

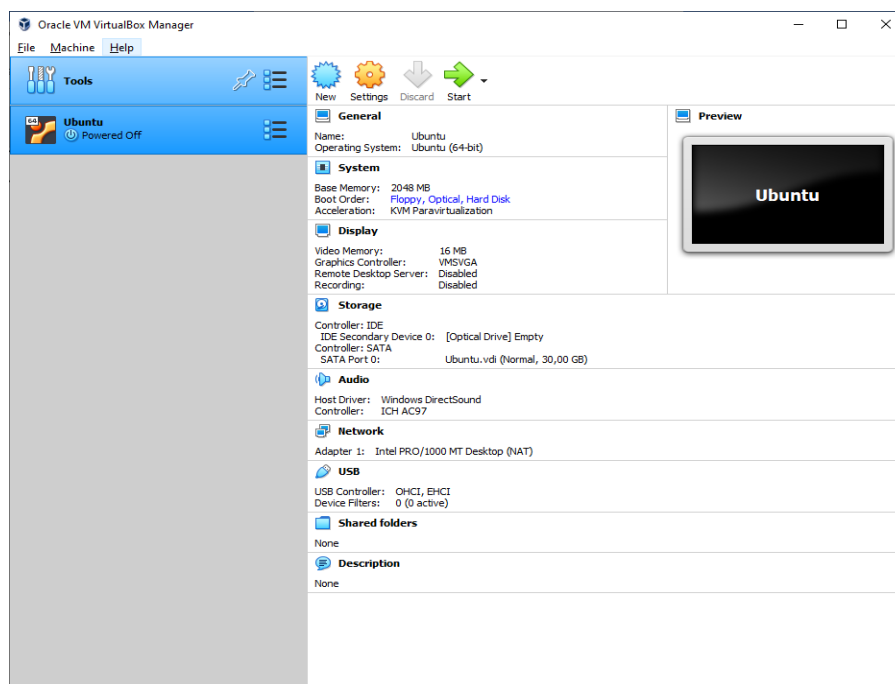
- 2 GB of RAM memory.
- Just one disk of 30 GB.
- A shared folder to an external disk.
- Internet connection.
- You will be able to copy and paste from the host to the guest and vice versa.

STEPS

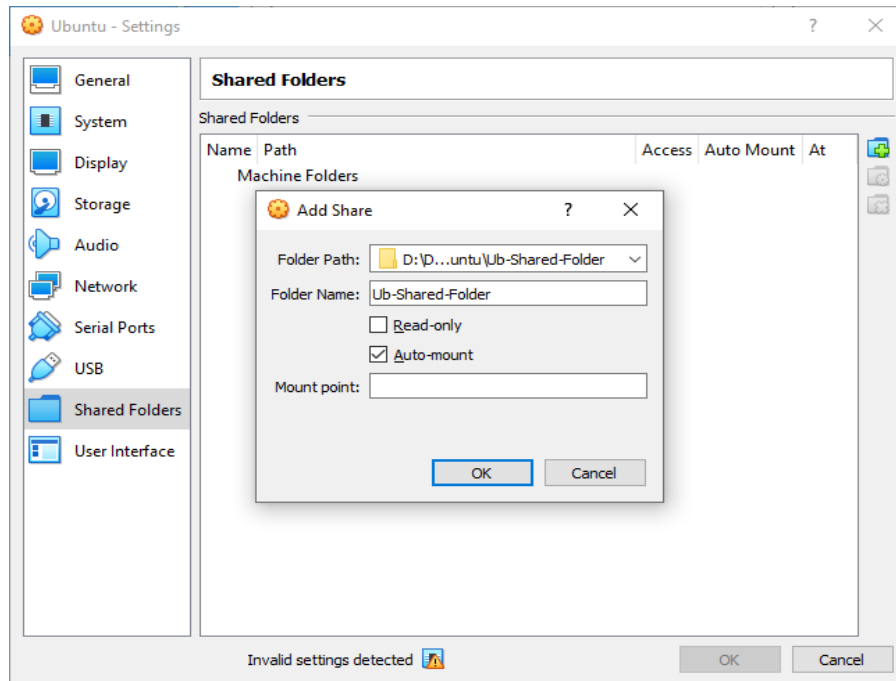
Create the VM (advanced mode) Memory size 2 Gb (2048 Mb) and create virtual hard disk now.



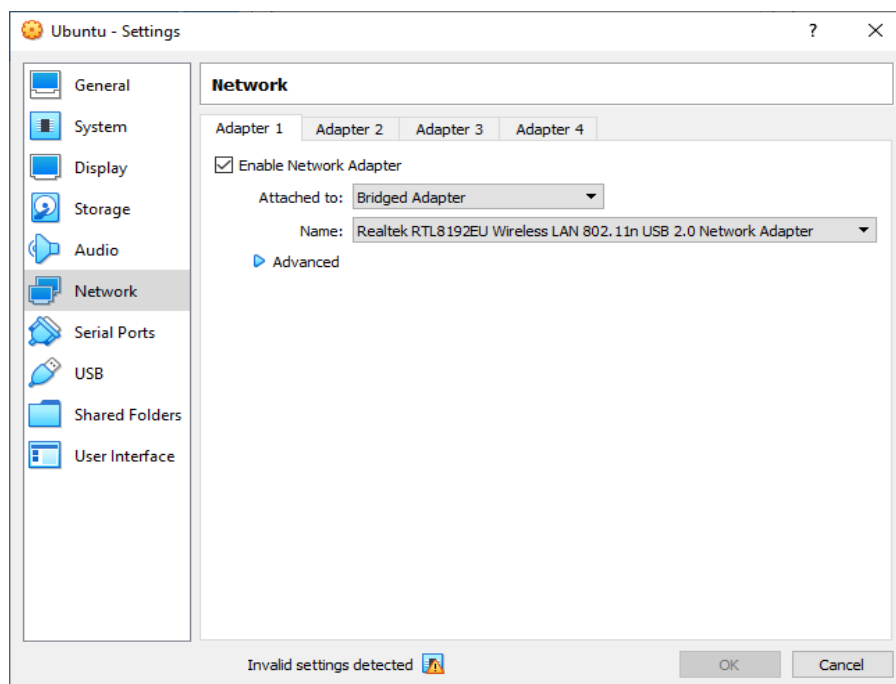
Click on Create



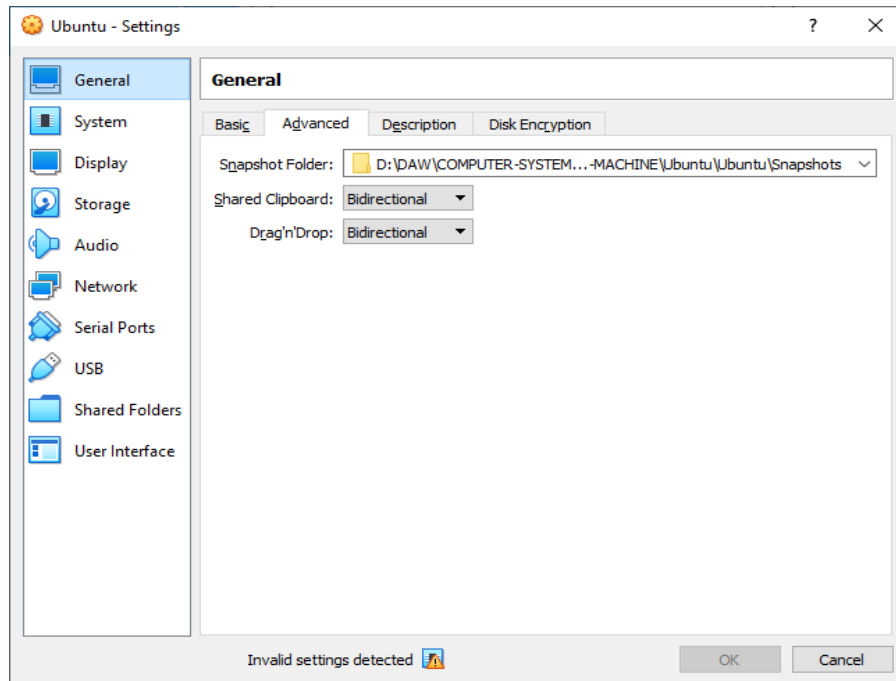
The new VM has been created and we configure the settings.



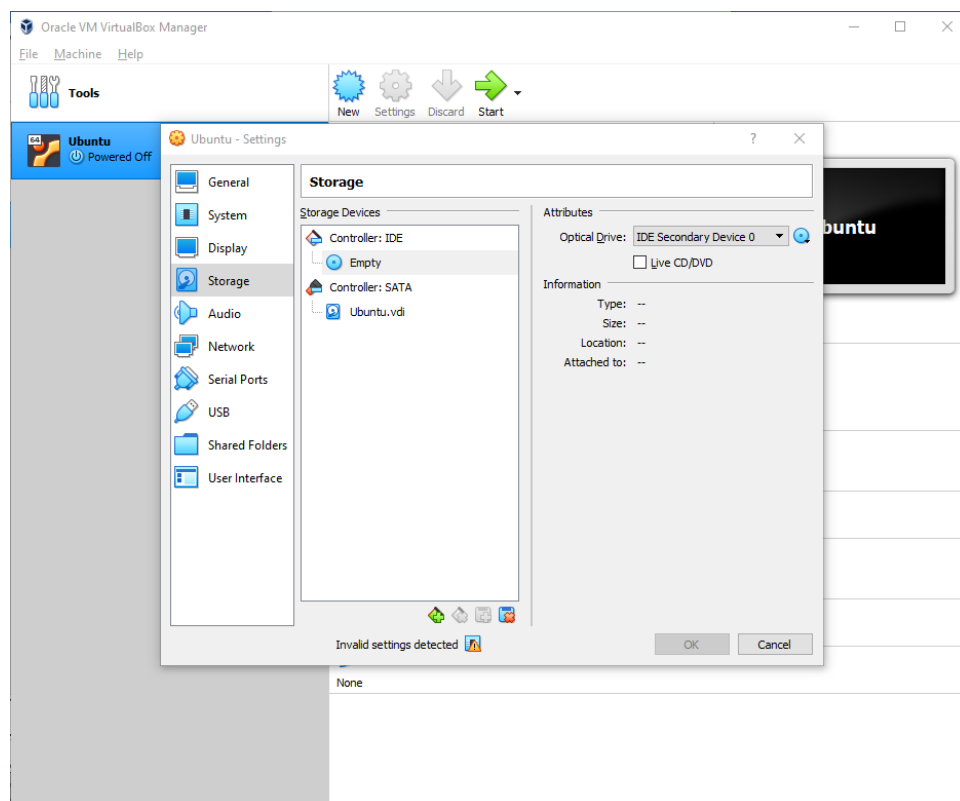
Create a Shared Folder to an external disk with Auto-mount checked.



Enable Network Adapter Attached to Bridge Adapter for internet connection only.

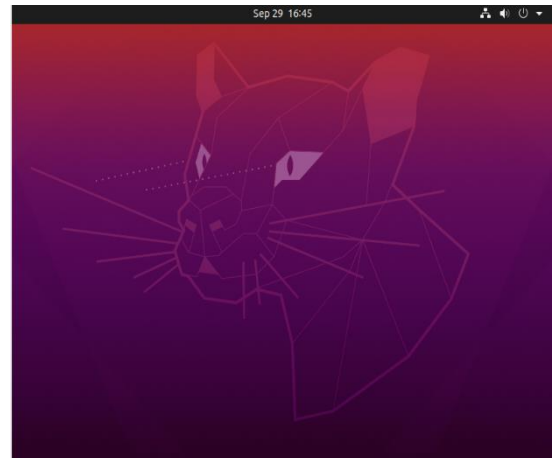
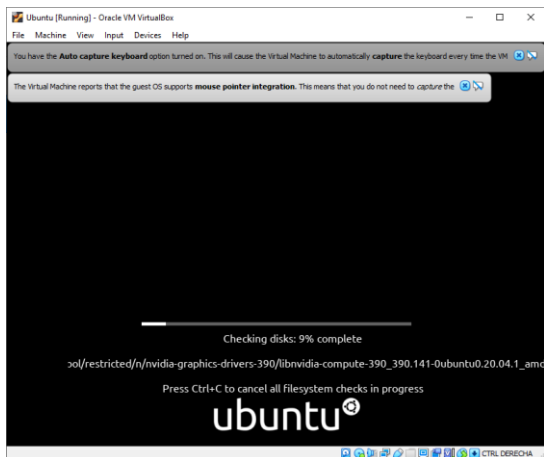


Configuration for Shared Clipboard and Drag'n'Drop set om Bidirectional



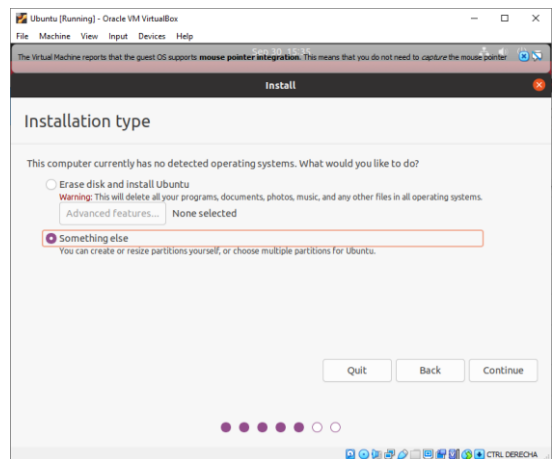
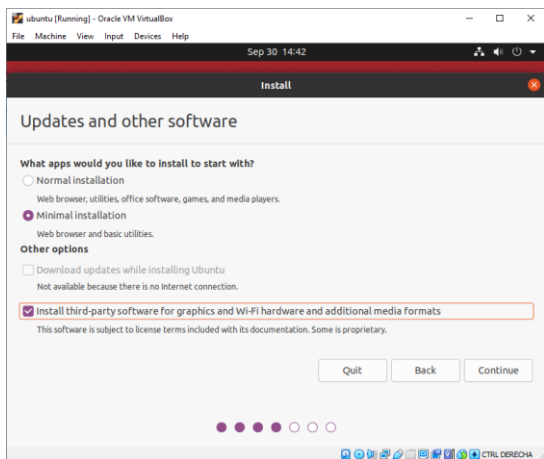
Select the Empty disk and then the .iso file to Install Ubuntu Operating System

General overview of Ubuntu operating system installation



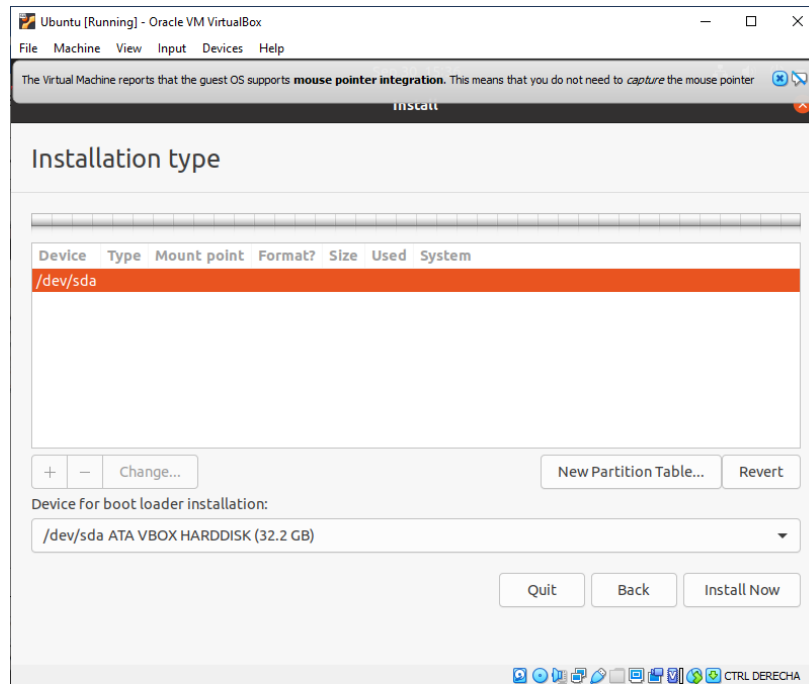
Installation in progress

Ubuntu interface

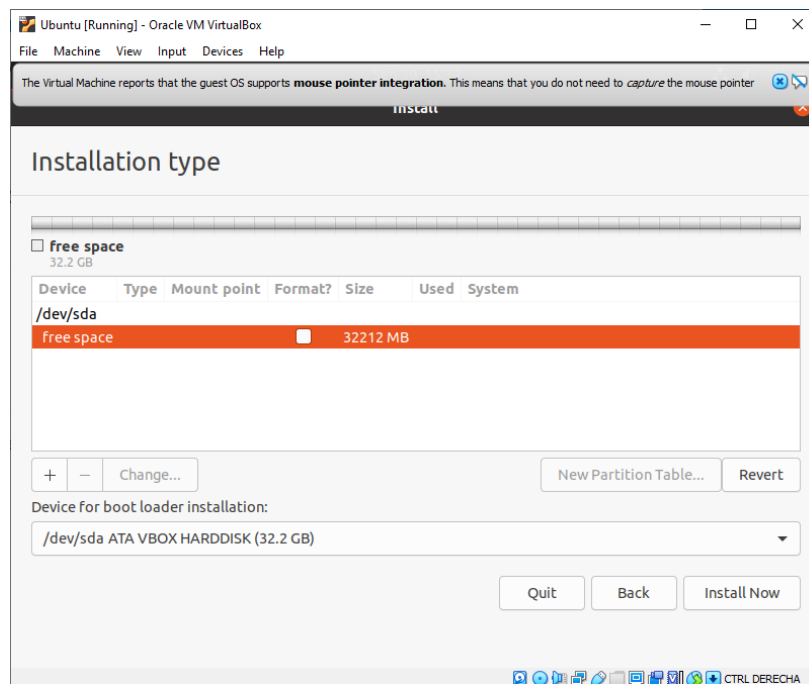


Minimal installation and install third-party software are selected

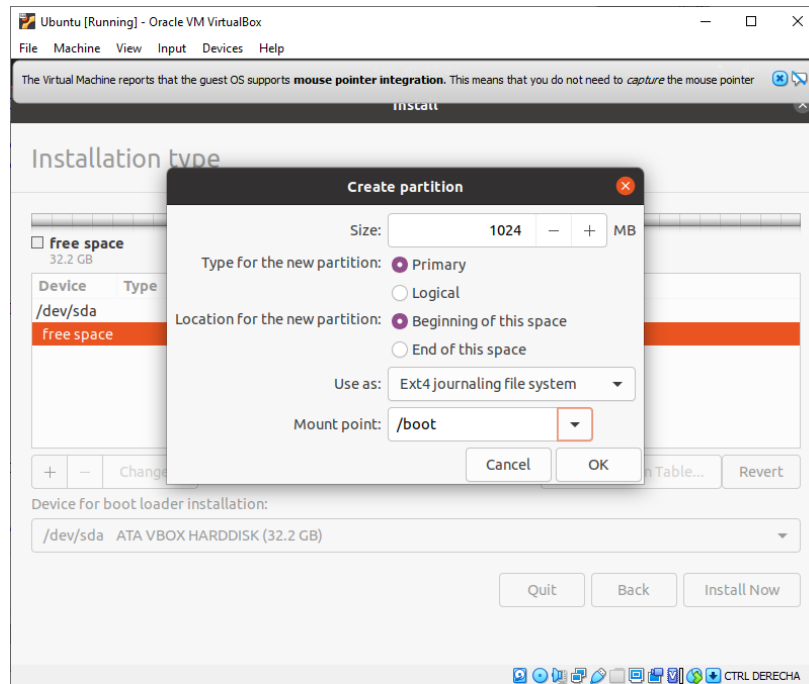
Installation type: Something else to create our own partitions



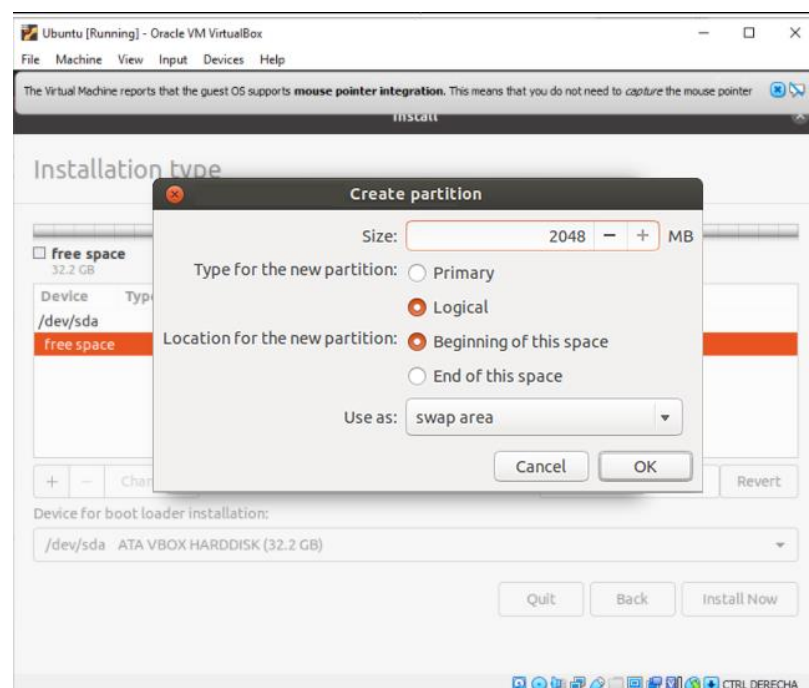
Now we create the partitions we need for Ubuntu > Click on New Partition Table



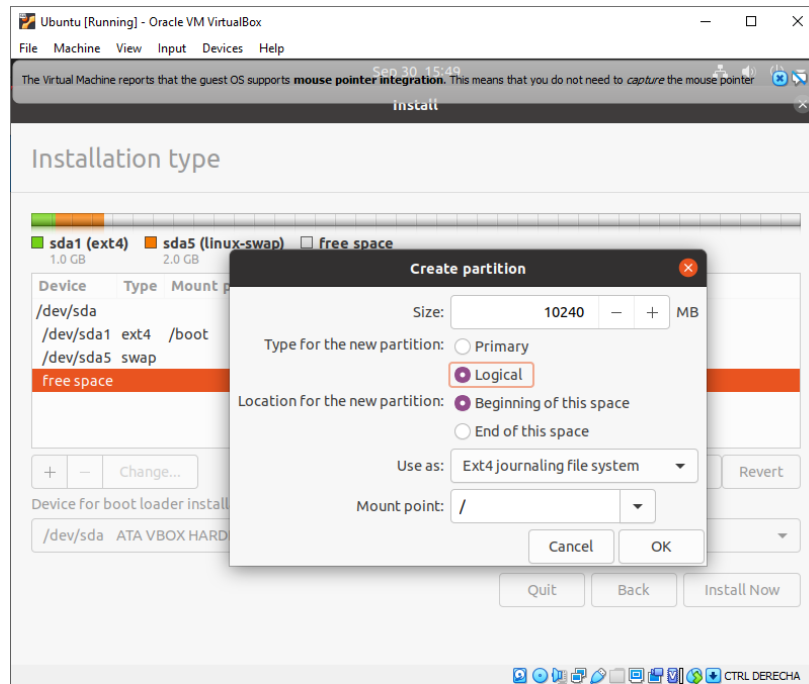
Linux operating systems need at least two mounting points: Root (/) and Swap area.
It's Also recommended to reserve space for Bootloader (/boot) and User data (/home)



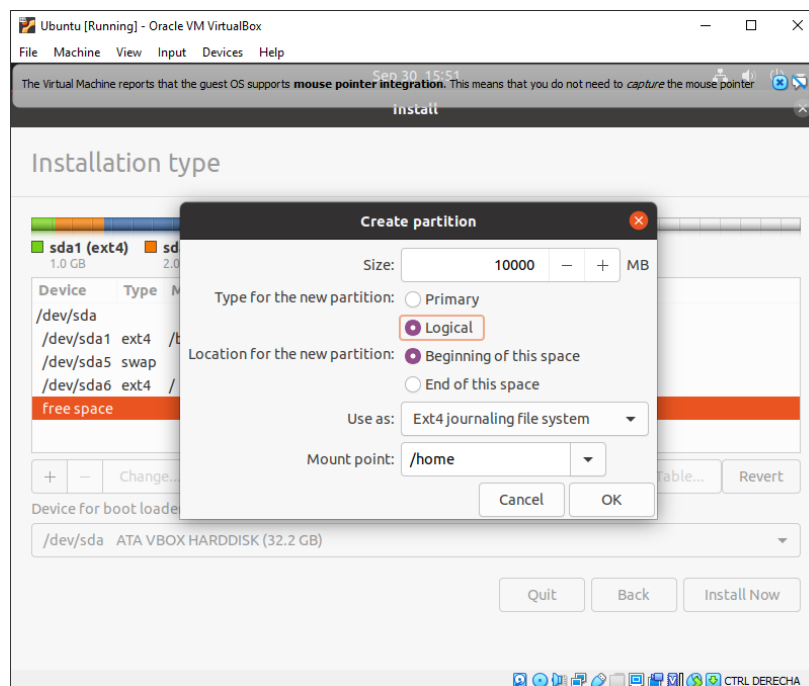
First **/boot** as Primary disk in order to avoid problems when booting the system.
Recommended size 1 Gb.



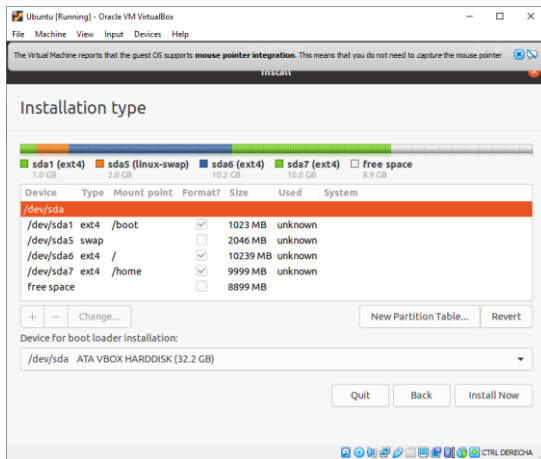
Second **Swap** area. Equals or double the RAM size recommended.



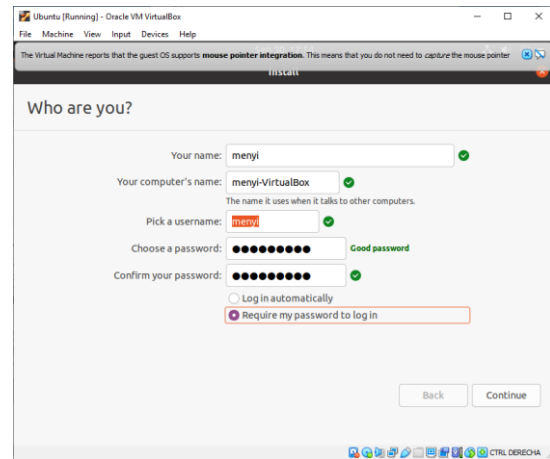
Third Logical partition for **Root /**
The size depends on the programs we will install however minimum recommended is 10 Gb.



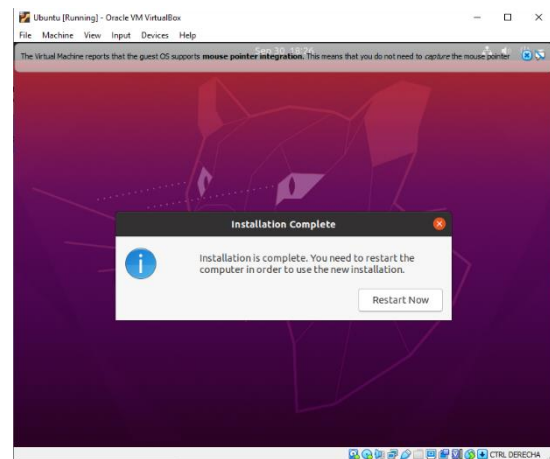
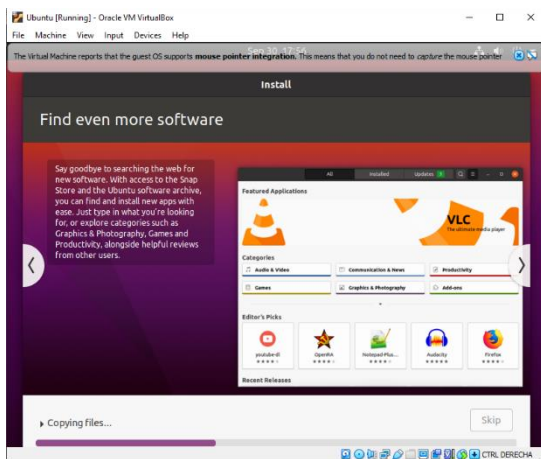
Fourth partition Logical for Data user **/home**



Hard disk partitions overview



Information details and password.



Ubuntu installation is complete.
Now, we need to restart the computer in order to use the new installation.