

CEG5101 Modern Computer Networking
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Laboratory 0
Install Ubuntu on Oracle VirtualBox

LEARNING OBJECTIVES

Upon successful completion of this laboratory, the students will be able to learn:

- i. To download and install Ubuntu on VirtualBox

EQUIPMENT

- i. *Hardware* – Laptop/Computer with internet access

DISCUSSION

1.1 Oracle VirtualBox

- a. Go to <https://www.virtualbox.org/wiki/Downloads>
- b. Download [VirtualBox](#) latest version (currently 7.0.10) platform packages for Windows or OS X (MAC users)
- c. Run the executable file. Continue with the installation of VirtualBox with the defaults. This will open VirtualBox at the end of the installation.



1.2 Ubuntu Desktop

Download the latest version of Ubuntu from <https://ubuntu.com/download/desktop>

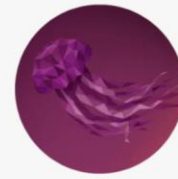
Ubuntu 22.04.3 LTS

The latest [LTS](#) version of Ubuntu, for desktop PCs and laptops. LTS stands for long-term support — which means five years of free security and maintenance updates, guaranteed until April 2027.

[Ubuntu 22.04 LTS release notes](#)

Recommended system requirements:

- 2 GHz dual-core processor or better
- 4 GB system memory
- 25 GB of free hard drive space
- Internet access is helpful
- Either a DVD drive or a USB port for the installer media

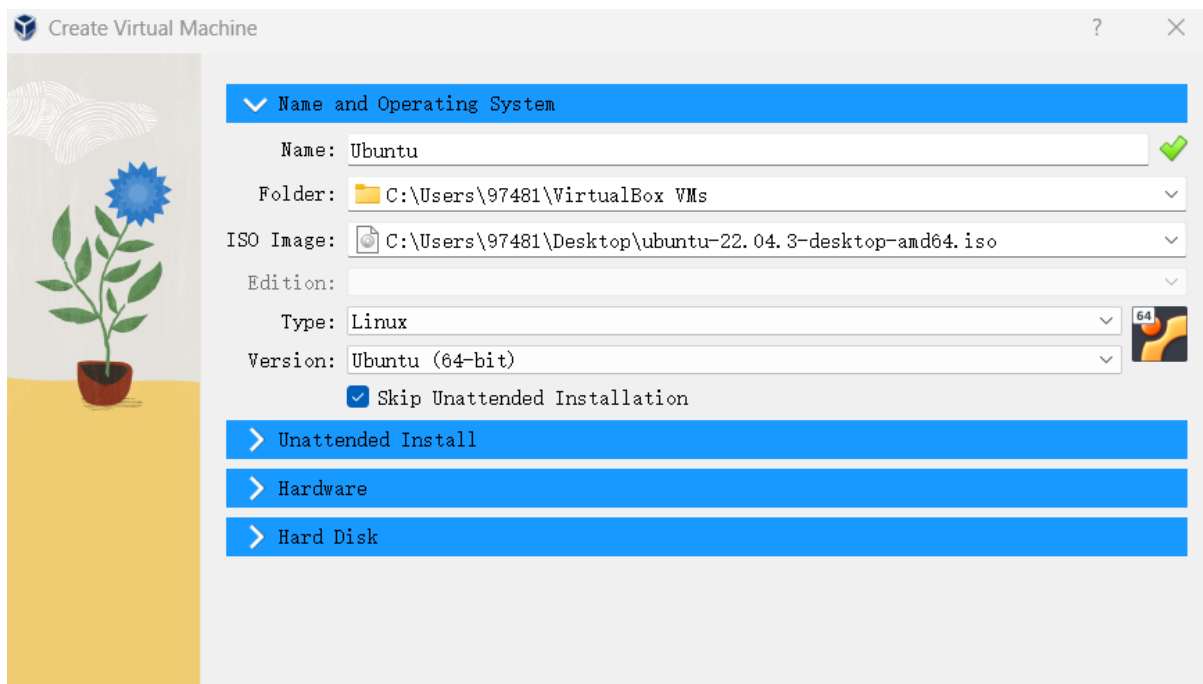


[Download 22.04.3](#)

For other versions of Ubuntu Desktop including torrents, the network installer, a list of local mirrors and past releases [see our alternative downloads](#).

1.3 Installation screenshots

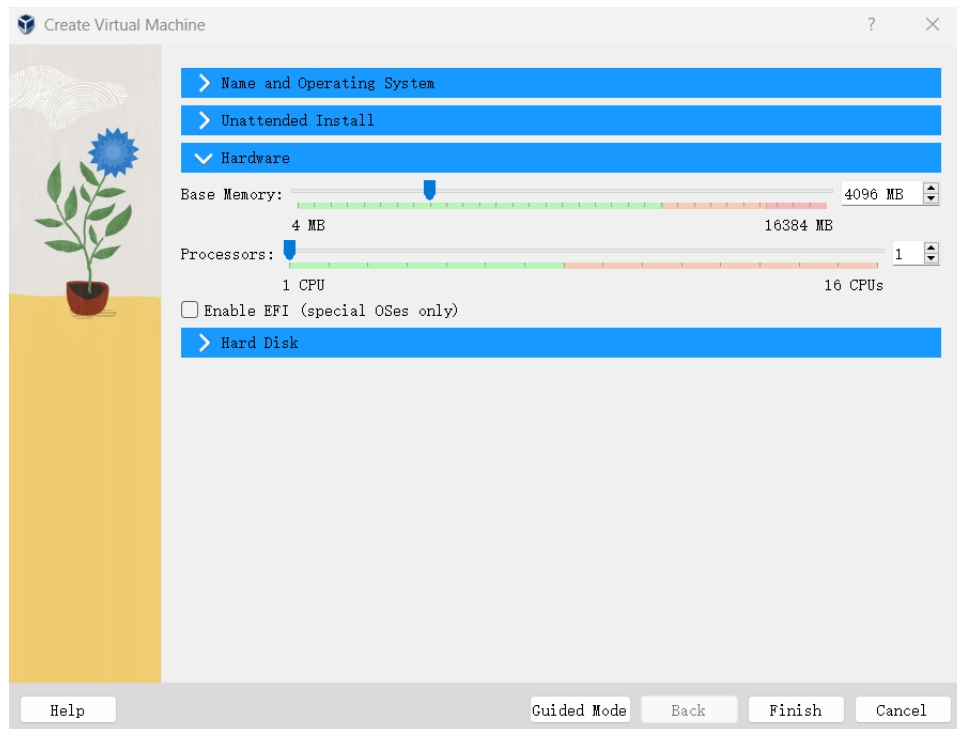
1. Open Oracle VirtualBox
2. Select the “iso” file downloaded, and put the address in “ISO Image”



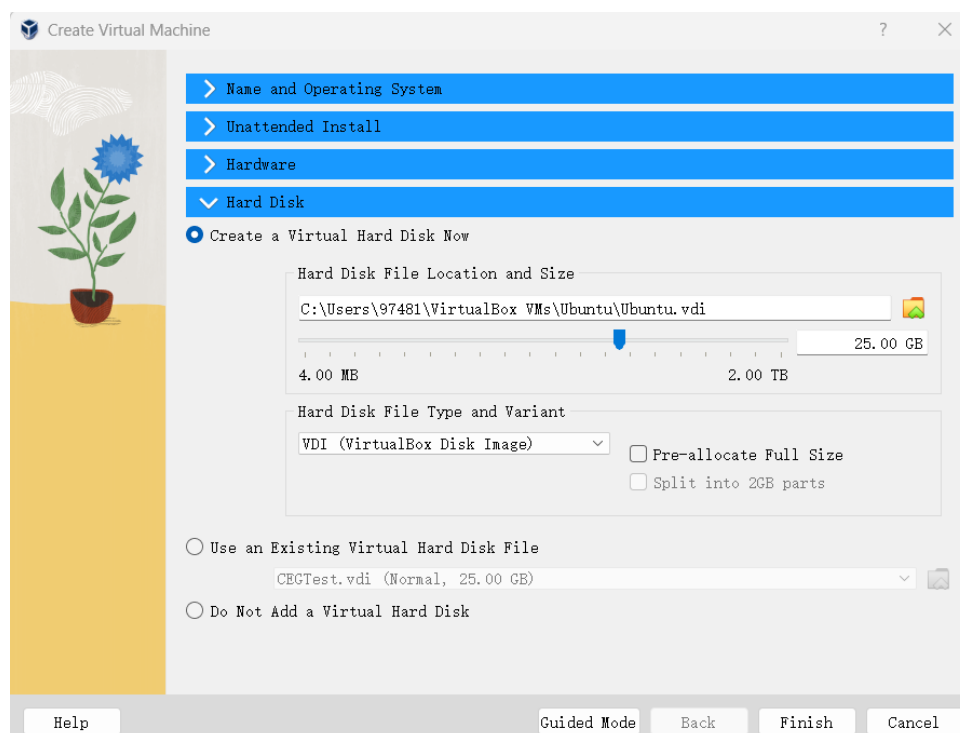
3. It is better to select “Skip Unattended Installation” because it has some bugs.

☒ Skip Unattended Installation

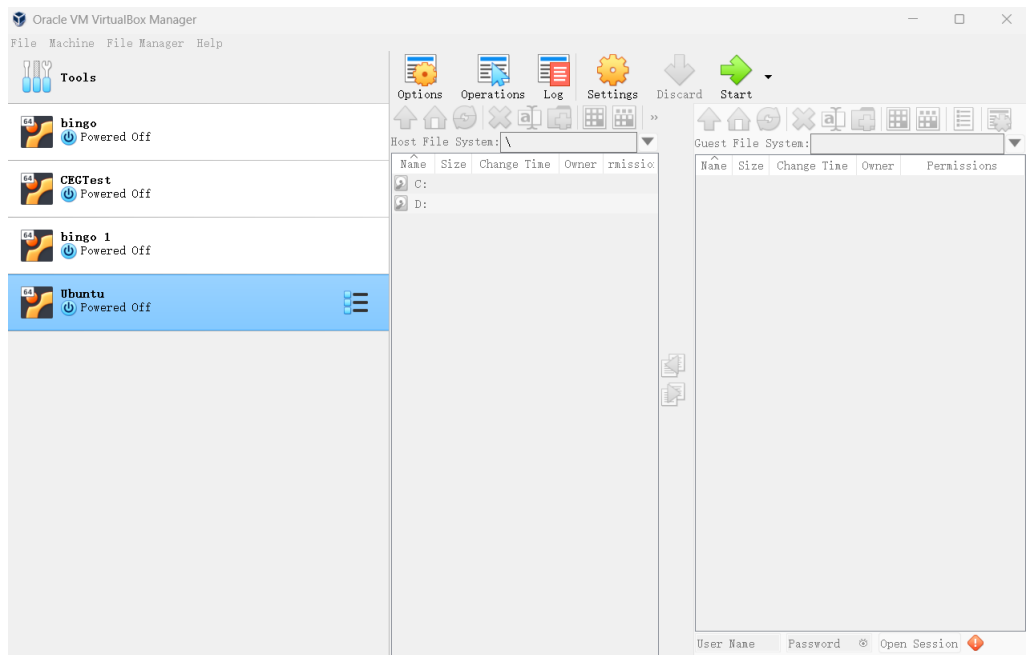
4. Keep memory around 4GB ~ 4096 (recommended)



5. Keep the virtual hard disk to be ≥ 10 GB (I use 25GB in the settings)

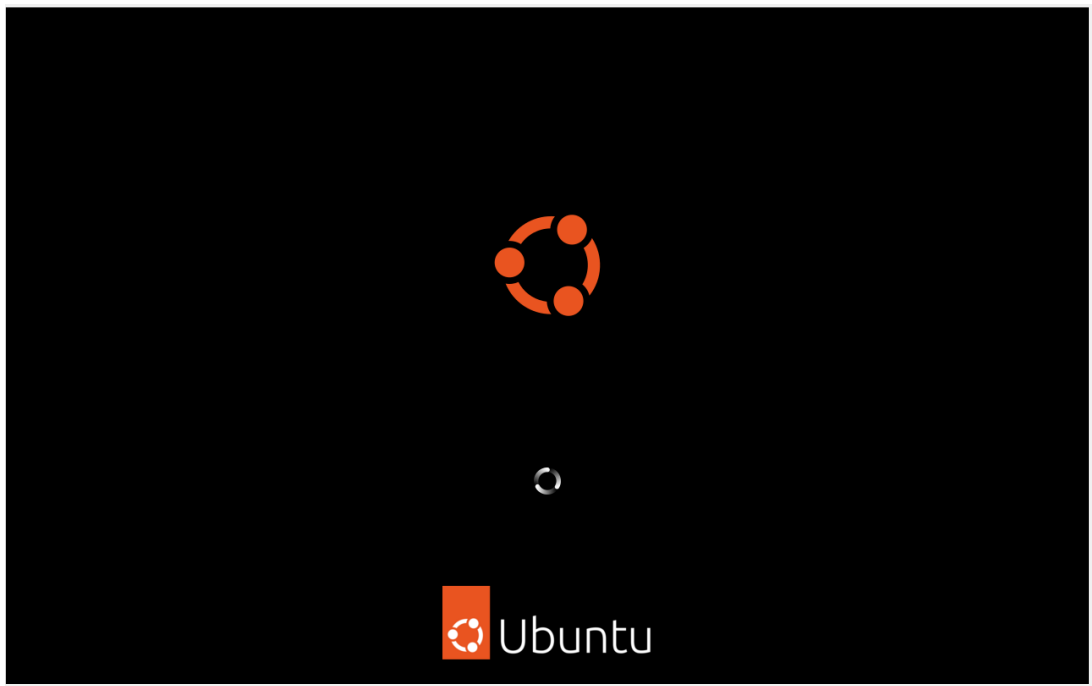


6. Then you have built the machine, we need to do the installation.
7. Click "Start"

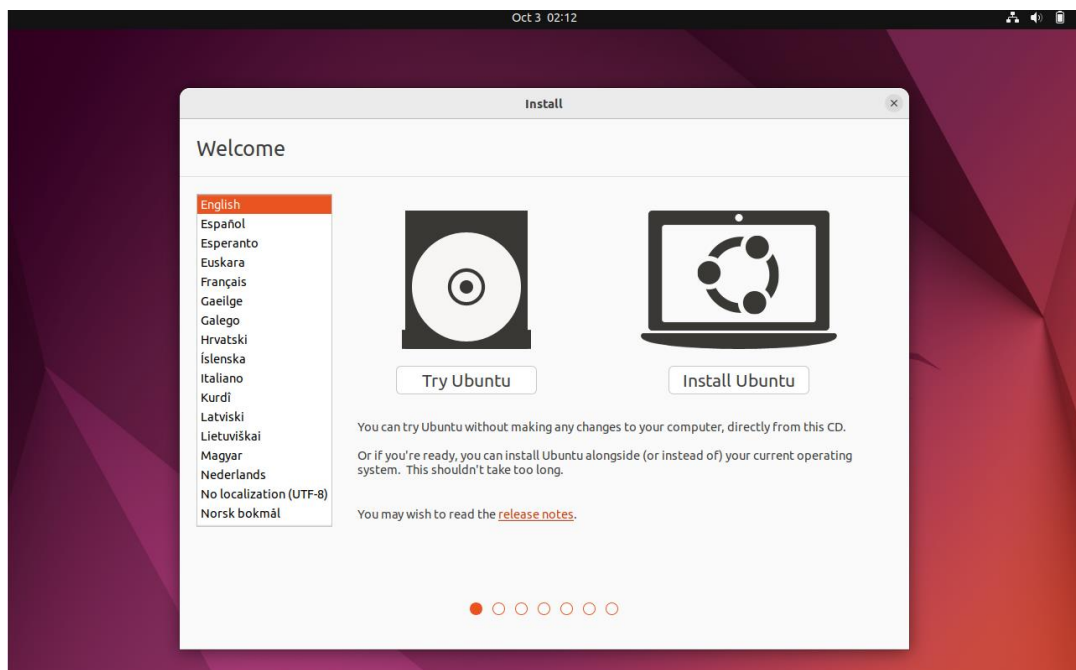


Then get into the GRUB to select install Ubuntu

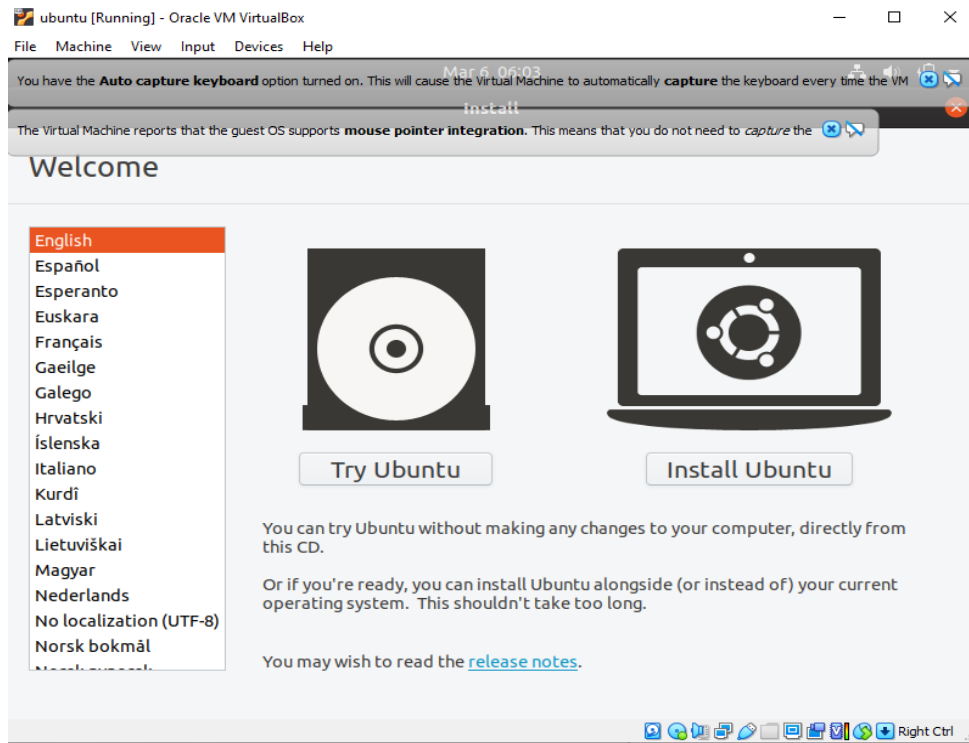




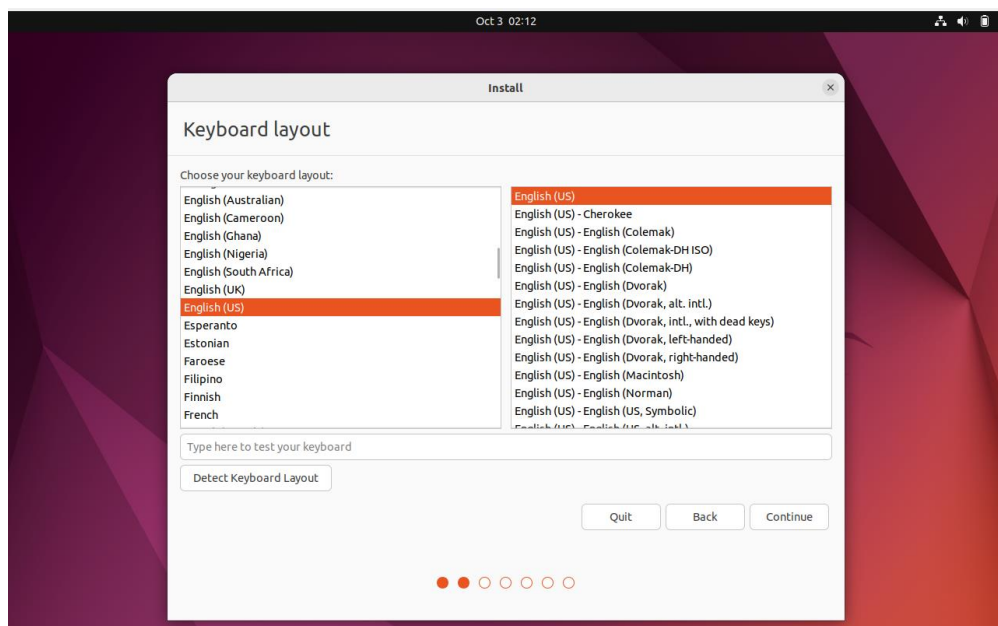
Click start installation of Ubuntu starts form here.



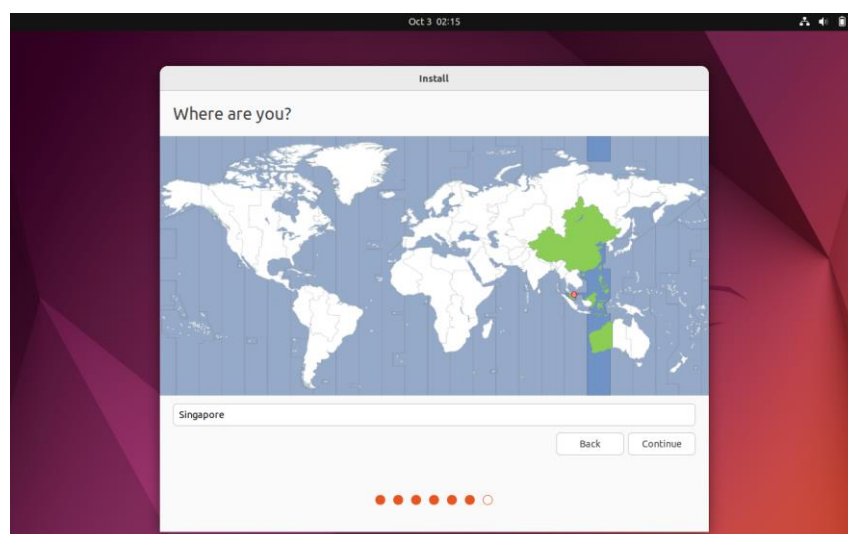
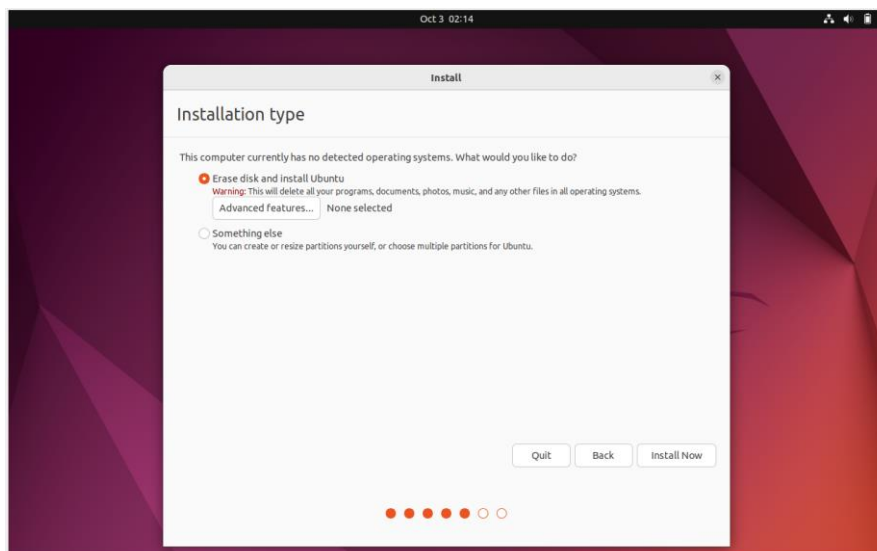
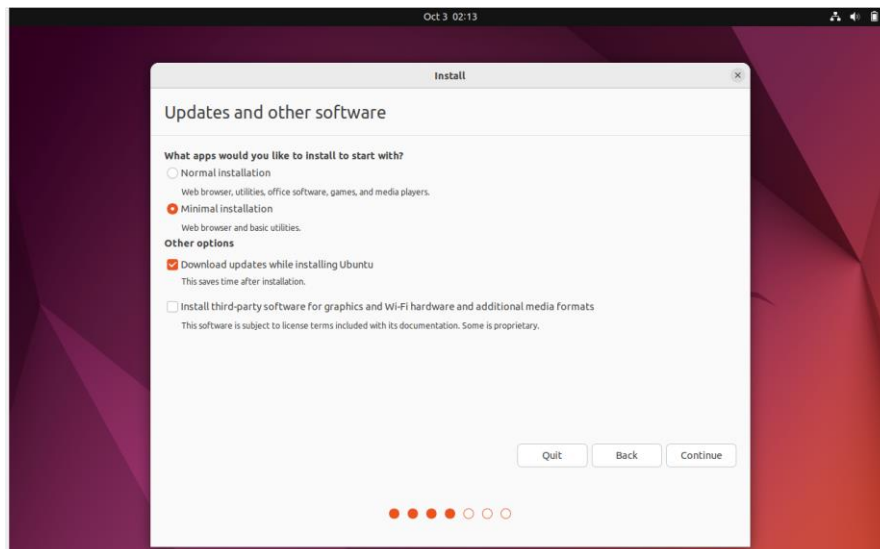
Choose to install Ubuntu.



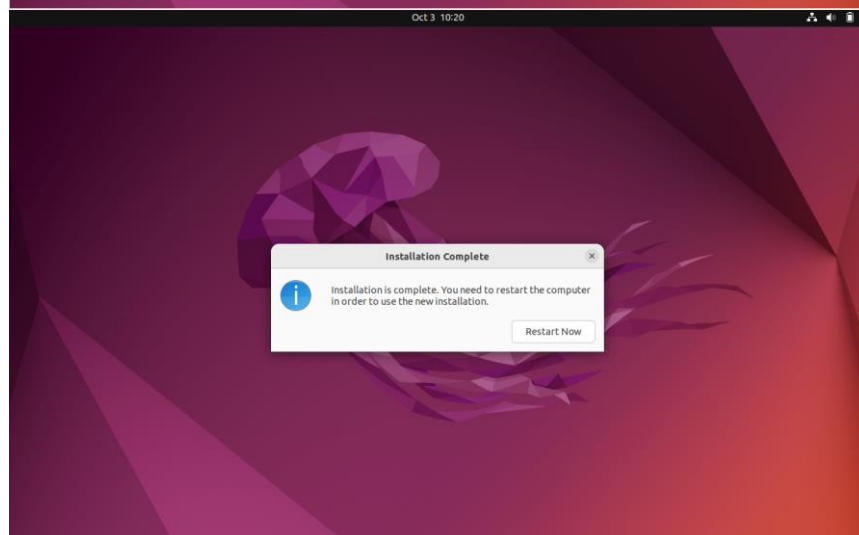
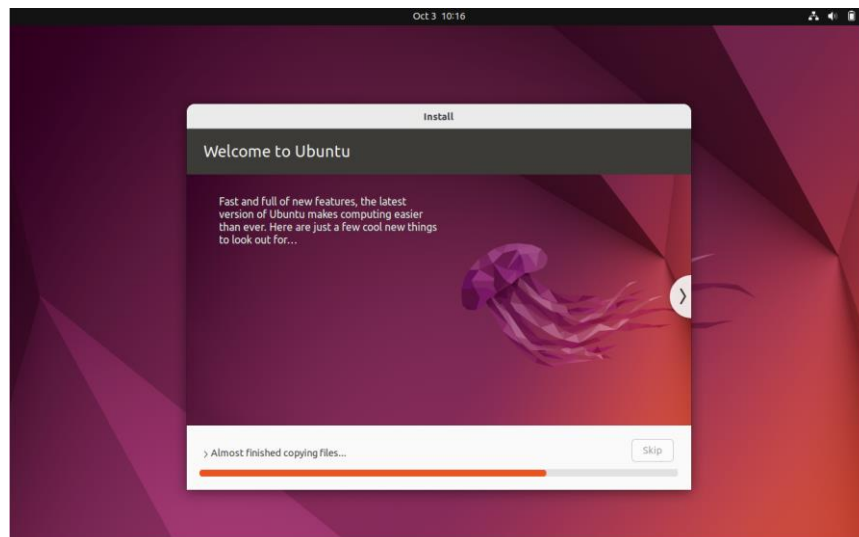
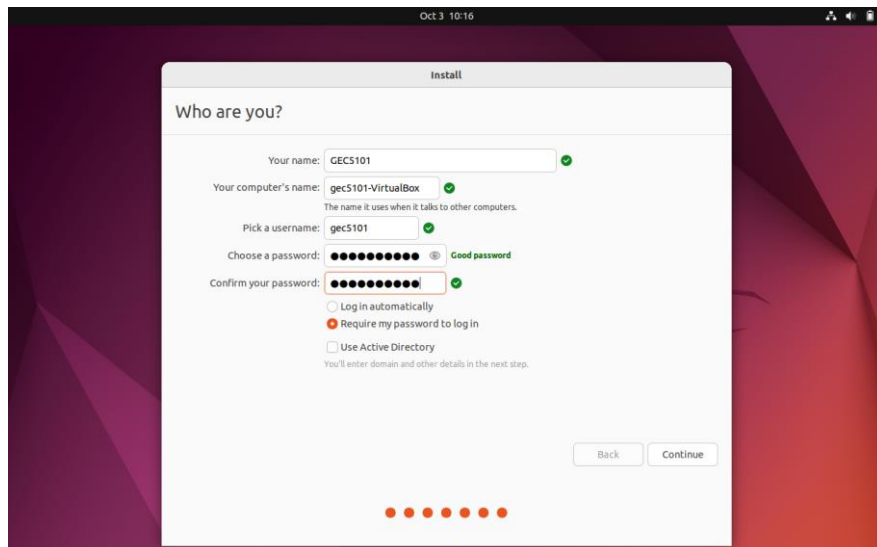
Use default keyboard settings



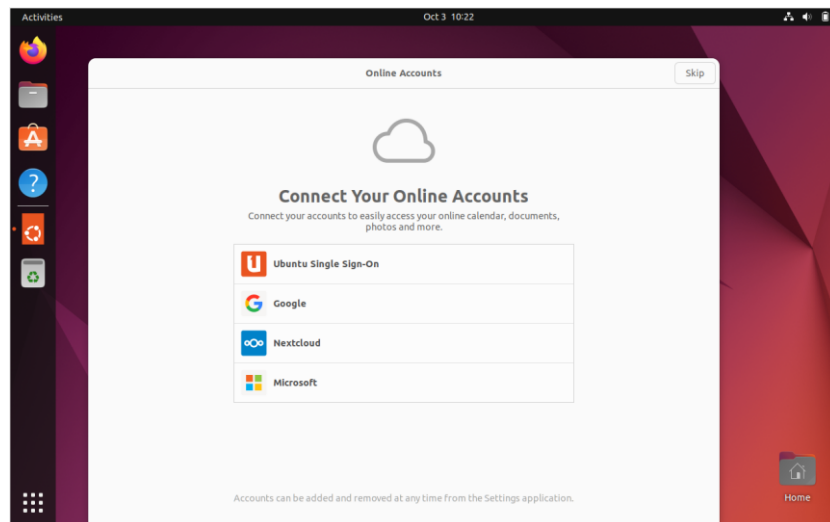
Choose minimal installation. We don't need any other default ubuntu software.
(If you want to experience the whole system, it is better to install the normal version)



Pick a username and password (sorry for the typo, should be CEG5101)



Then use your username and password to open the system



Done with the installation of ubuntu in oracle virtual box.
You can play with it.