Unit 1. Task 0: Installation guide of Ubuntu 18.04.06 LTS

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1 Introduction

1.1 Overview

In order to made our practices of the module Web Apps Deployment from the second course of WAD, our teacher propose us using the operative system Ubuntu 18.04.06 LTS. This operative system has several advantages that make it ideal for the objectives that we have:

- It is free.

- It has lot of documentation on the internet.

- It is a LTS (Long Term Support) version. That means that it is going to be supported until 2023. This is synonym of stability, a needed feature in a server.

- It has all the essential programs to set up a web server.

Due to all these arguments, we are going to make an installation of it on a virtual machine on the next sections.
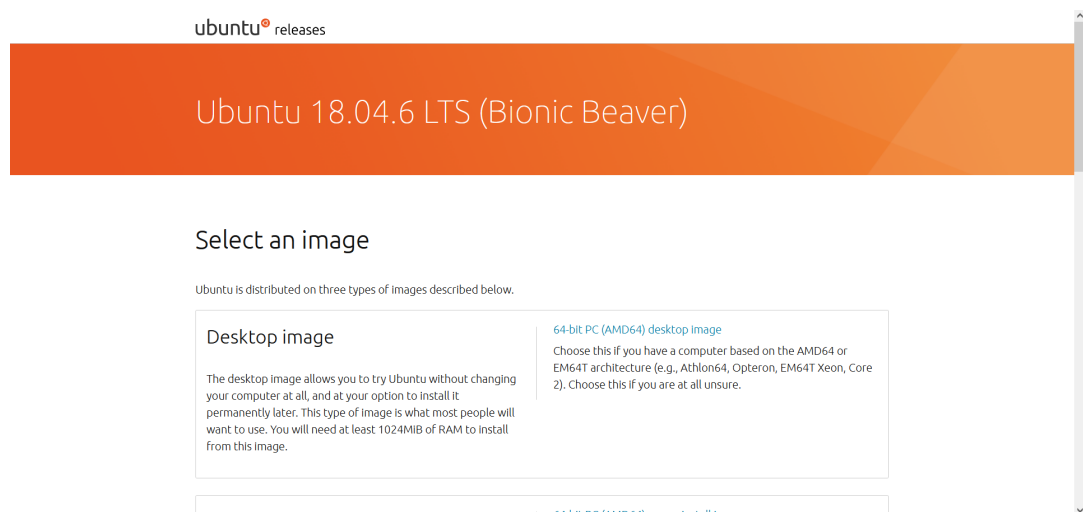
1.2 Download section

Figure 1: Screenshot of the download web page

We can obtain Ubuntu 18.04.06 LTS following the next link:

- `https://releases.ubuntu.com/18.04/`

2   System requirements

Ubuntu 18.04 LTS states minimum as:

- 2 GHz dual core processor or better.

- 4 GiB RAM / 2 GiB RAM (system memory) for virtualised installs.

- 25 GB (8.6 GB for minimal) of hard-drive space (or USB stick, memory card or external drive but see LiveCD for an alternative approach).

- VGA capable of 1024x768 screen resolution.

- Either a DVD drive or a USB port for the installer media.

- Internet access is helpful.

3   Installing Ubuntu Desktop

3.1   Setting up a virtual machine

Firstly, we assume that we have already installed the program VirtualBox. Otherwise, we can obtain it from the following link:

- `https://www.virtualbox.org/wiki/Downloads`

Running it, it will appear a home page quite similar to the shown on the figure 2.

Figure 2: VirtualBox home page

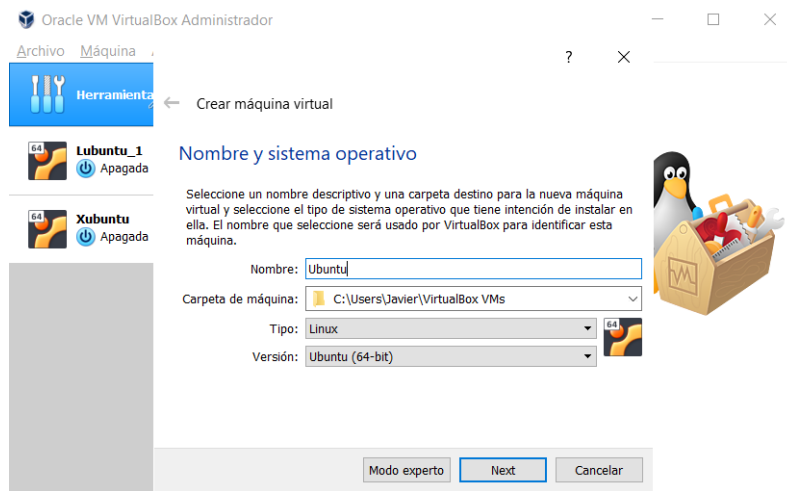First of all, we click on "Nueva". After that, a pop-up window appears as the figure 3 shows.

Figure 3: Choosing the name, operative system and installation path of the virtual machine

Next, we click on "Next", swapping to the memory size selection window. Following the system requirements, we select 2 GiB (2048 MiB) of RAM memory.
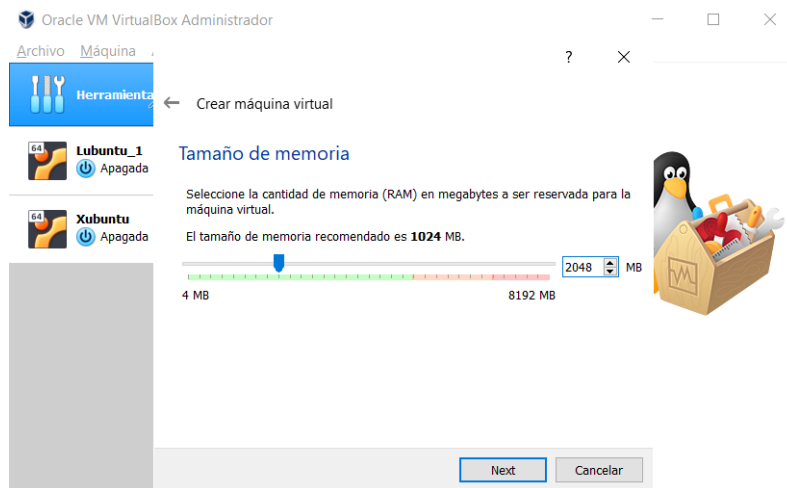

Figure 4: Selecting memory size

We do click on "Crear" and we create a virtual hard disk with, at least, 8.6 GiB. As I have lot of space on my physical hard disk, I will reserve for the virtual hard disk 25 GiB as it is recommended.
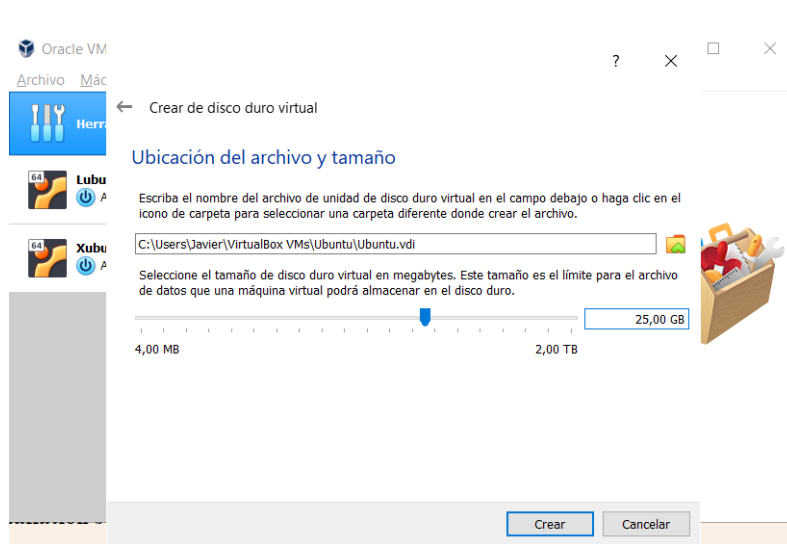
Figure 5: Size and path of the virtual hard disk

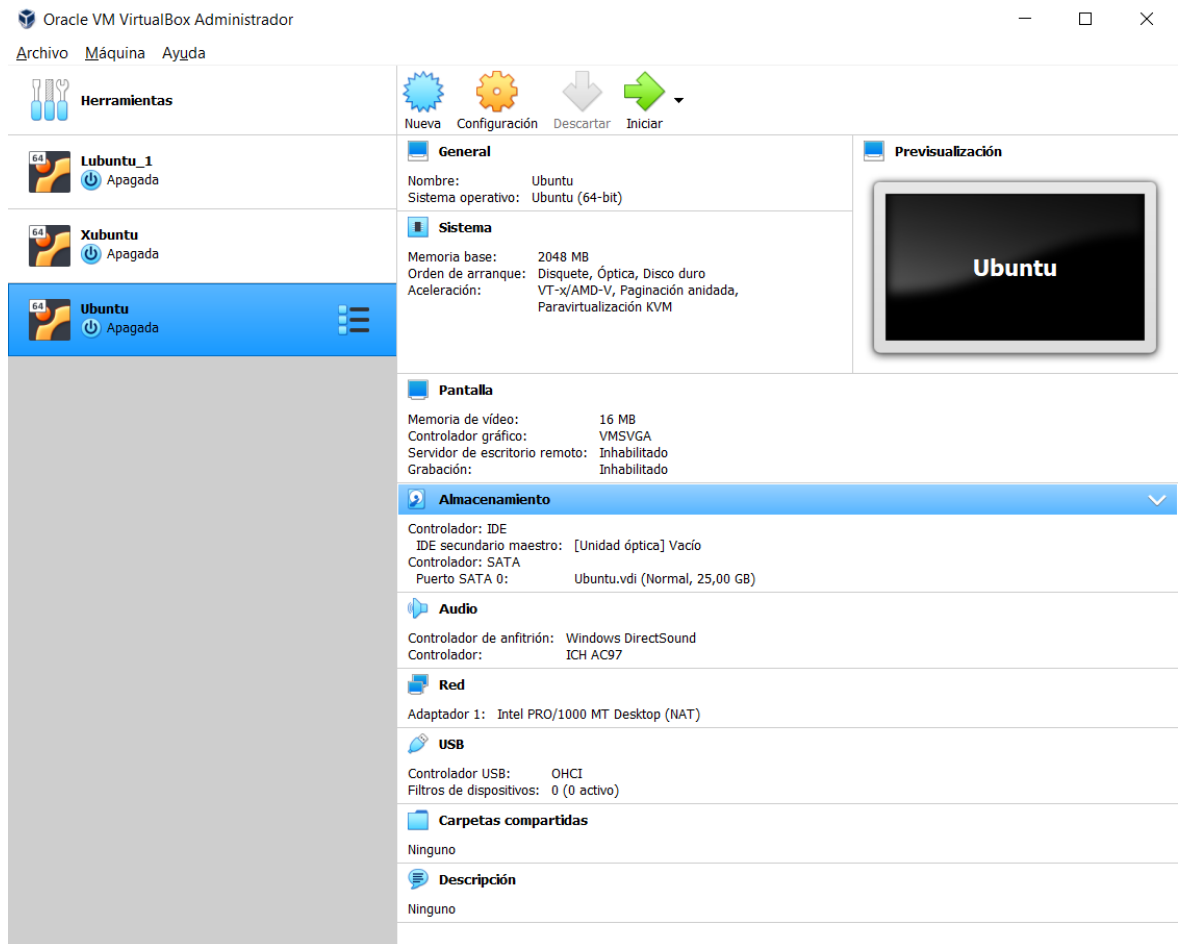That's all, now we have our virtual machine ready for the installation.

Figure 6: Virtual machine already set up

We do click on "Iniciar" and they are going to appear two differents windows: One is the execution windows of the virtual machine. The second is an pop-up window in which the ISO that we downloaded previously is needed as system boot disk of the system. So we have to indicate the path of the ISO and we attached it.
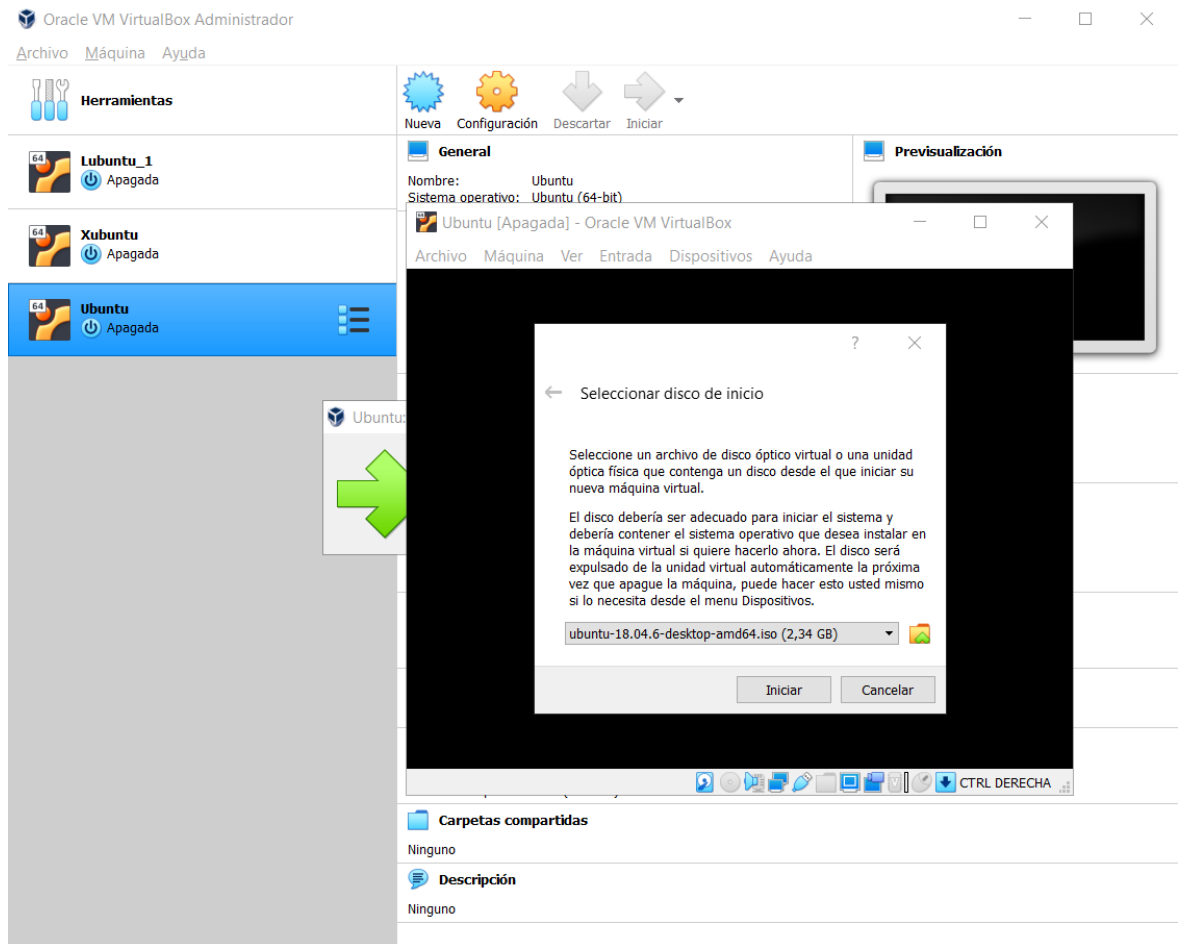
Figure 7: First running

3.2 Installation steps

As soon as we turn on our virtual machine, we have to choose the installation idiom and if we want to install Ubuntu or if we only want to try it without making any changes into our machine.
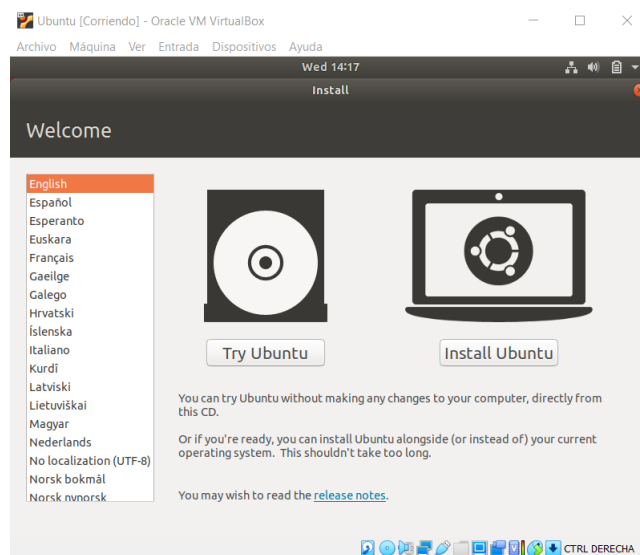
Figure 8: Welcome slide

In the next step, we have to choose the keyboard layout that we have in our physical machine. In our case, we are going to choose the Spanish keyboard layout.
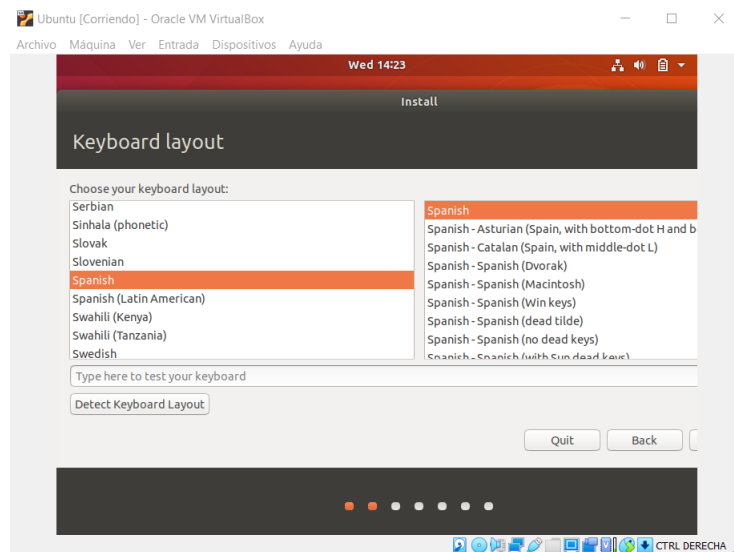

Figure 9: Keyboard layout

The following slide allows us to choose the installation type (normal or min-

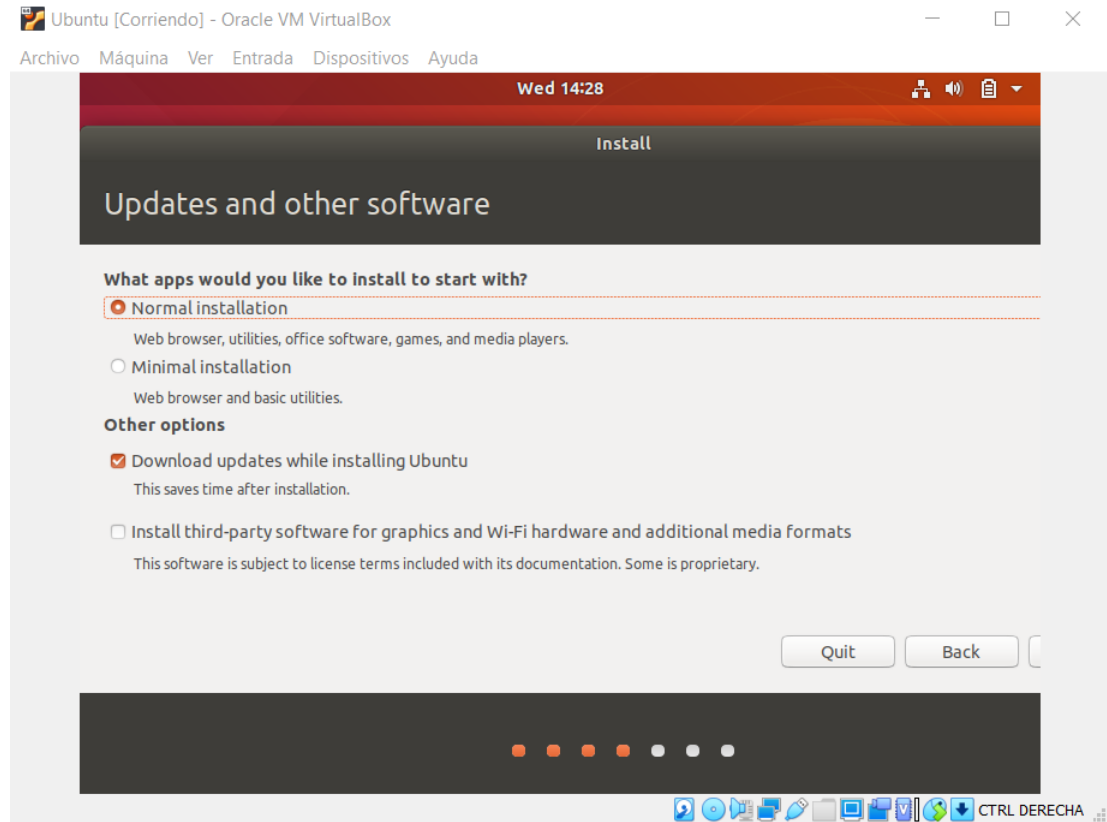imal) and if we want to select other options shown on figure 10.

Figure 10: Updates and other sofware

In our case, we will only select the minimal installation. If we need other additional software, we will install it after the installation is done.

Now, in this slide we can choose how are we going to make the installation on the hard disk. We select the easiest option: Erase disk and install Ubuntu, as shown in figure 11
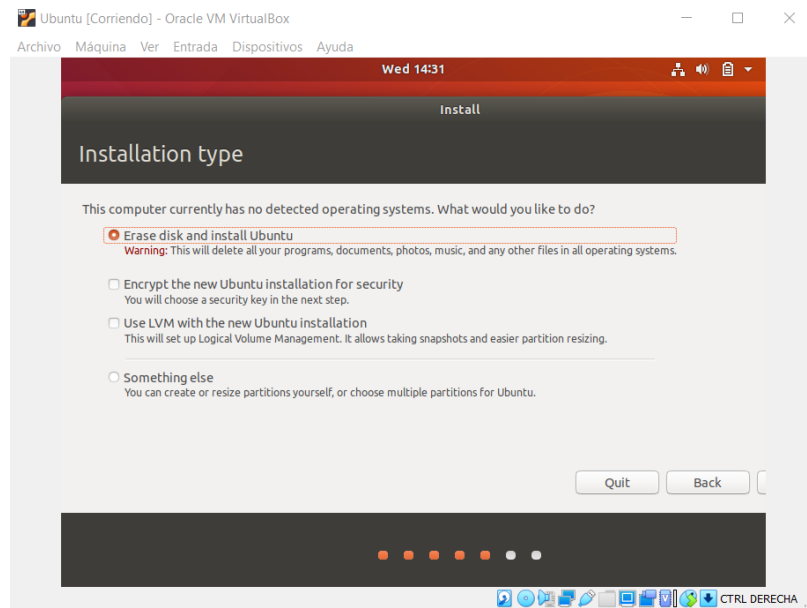
Figure 11: Installation type

In figure 12 we write our location in order to determine our time zone.
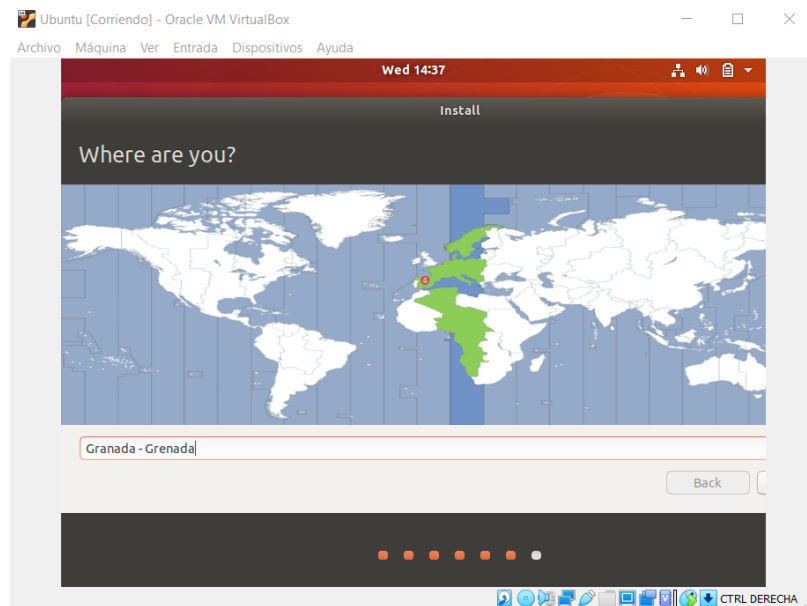

Figure 12: Time zone

For ending, our personal information is asked. After filling the fields, we click on "Next" and the installation begins.
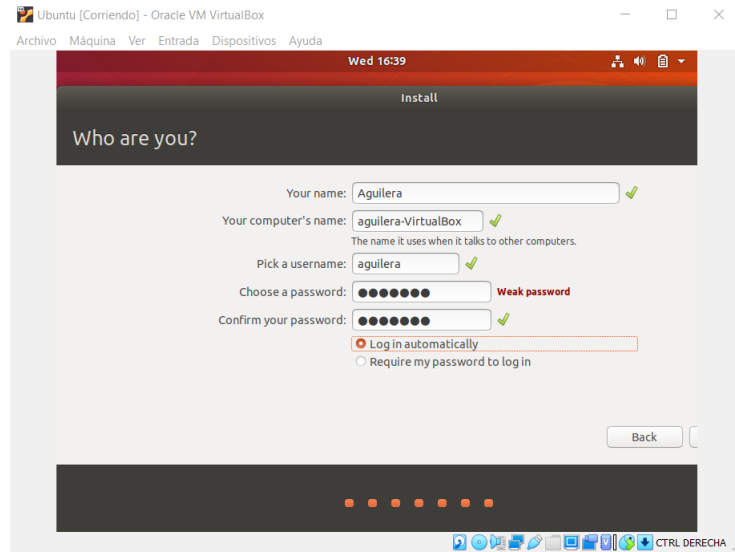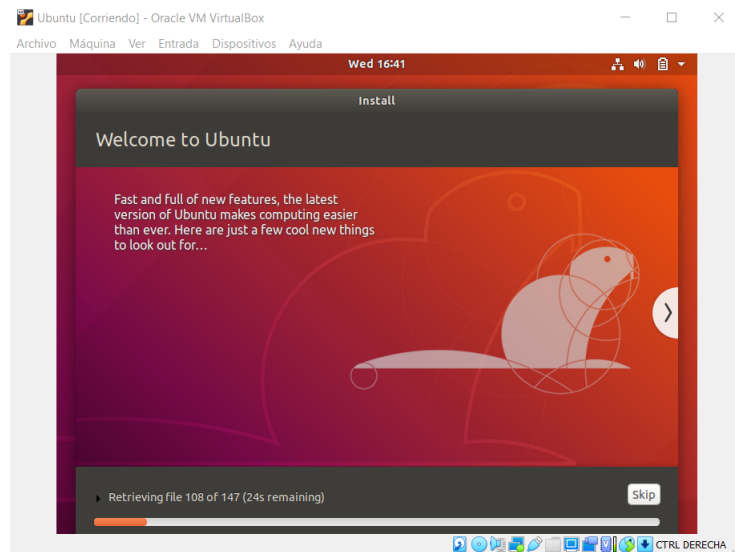

Figure 13: User's information

Figure 14: Installation running

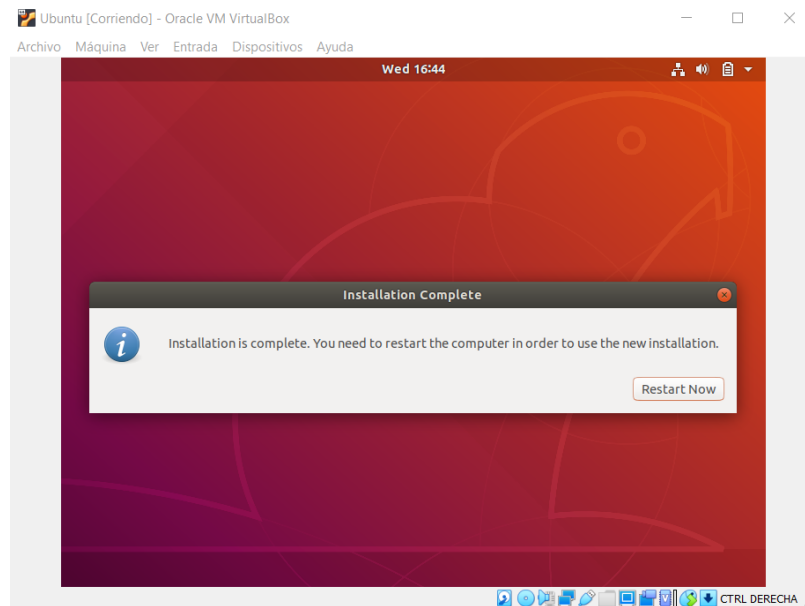When the installation is done, the system requires a restart.

Figure 15: Installation is done

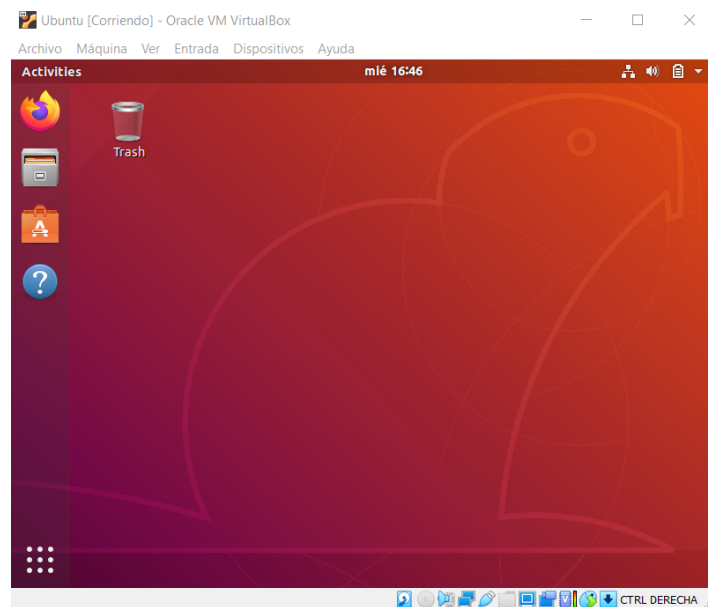After the restart, here we have Ubuntu working.

Figure 16: Ubuntu