

Task 2: Installation of Linux operating system :

Phase 1: Preparation

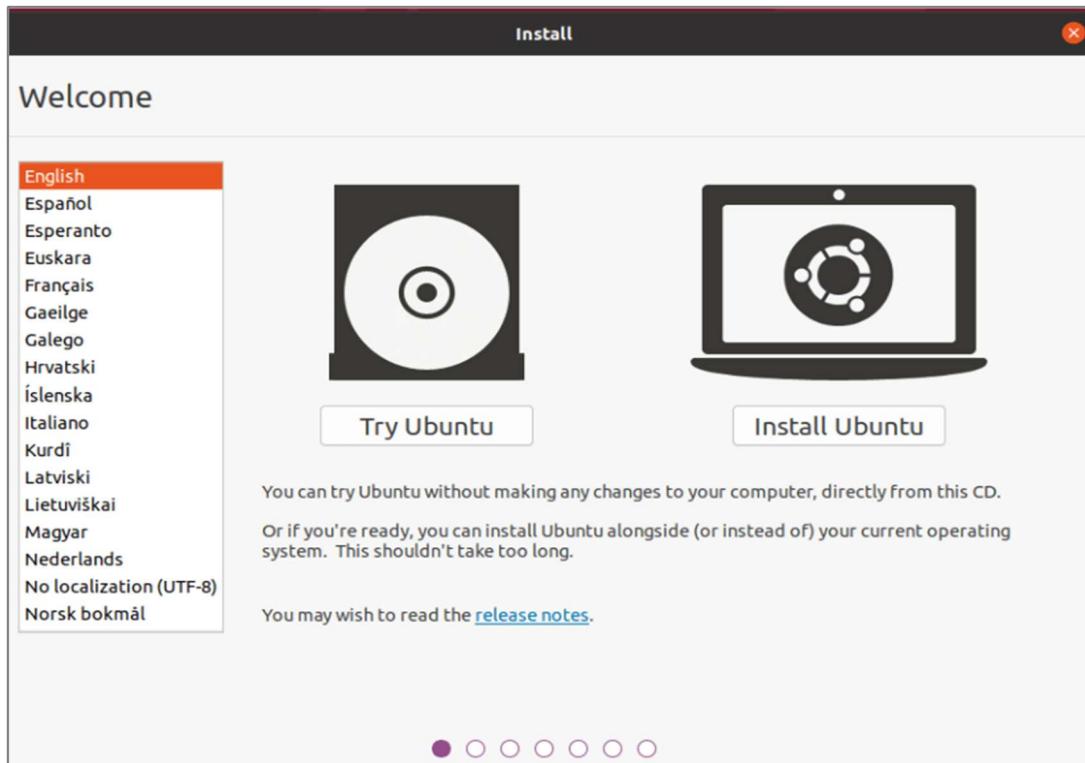
Before you touch your system, you need to gather your tools.

- **Choose your Distro:** Download the **ISO file** (the disk image) from the official website of the Linux version you want.
- **Get a USB Drive:** You'll need a flash drive with at least **8GB** of space. **Warning: This drive will be formatted, so back up its data.**

Phase 2: Booting from USB

Now, you need to tell your computer to start from the USB stick instead of your hard drive.

1. Plug the USB into the computer you want to install Linux on.
2. Restart the computer and immediately start tapping the **BIOS/Boot Menu key** (usually F12, F10, F2, or Esc).
3. Select your **USB Flash Drive** from the list.
4. Select "Try or Install [Linux Name]" from the menu that appears.

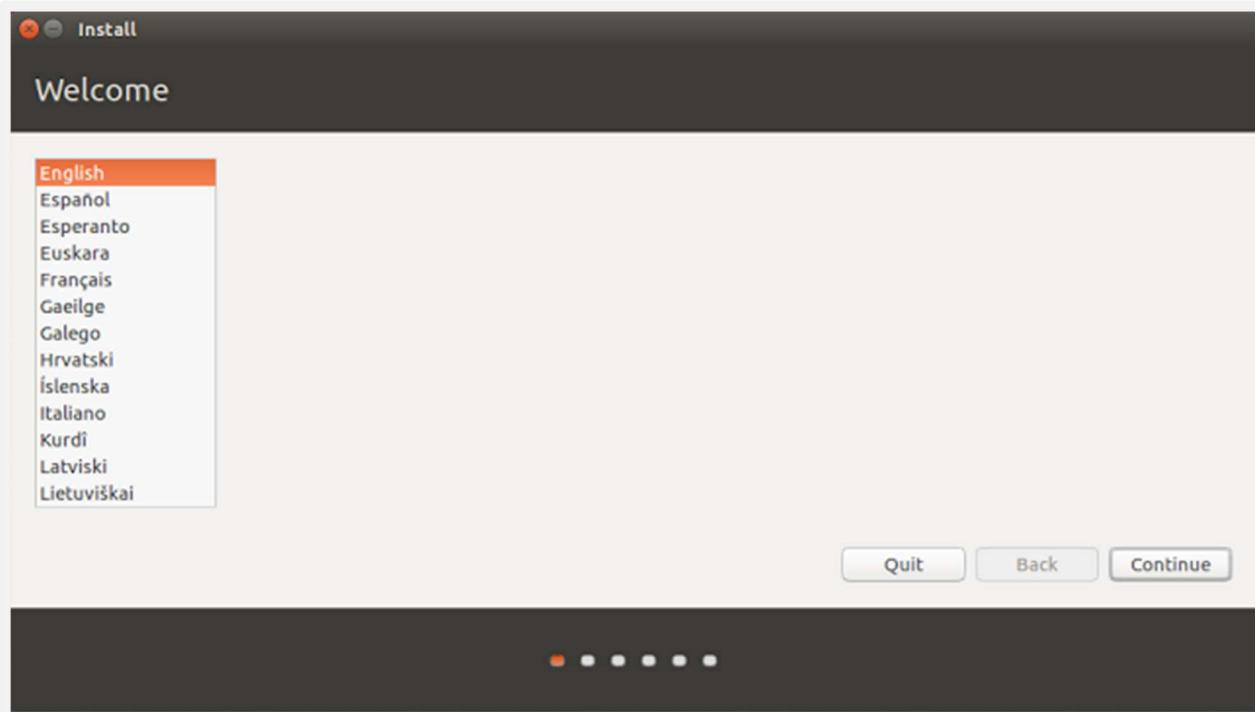


Phase 3: The Installation Process

Install Ubuntu

This is the beginning of the installation process and you can select the language which is used to help you through the process.

Choose your language and click “**Continue**”.



The installer has changed a little bit for Ubuntu 16.04. The pre-requisites screen has been removed as has the option to connect to a wireless network prior to installing.

The preparing to install Ubuntu screen now simply lists the option to download updates (which is only available after you have an internet connection) and the option to install third party software for playing MP3 audio and watching Flash.

If you have a decent internet connection then you might wish to install updates during the installation.

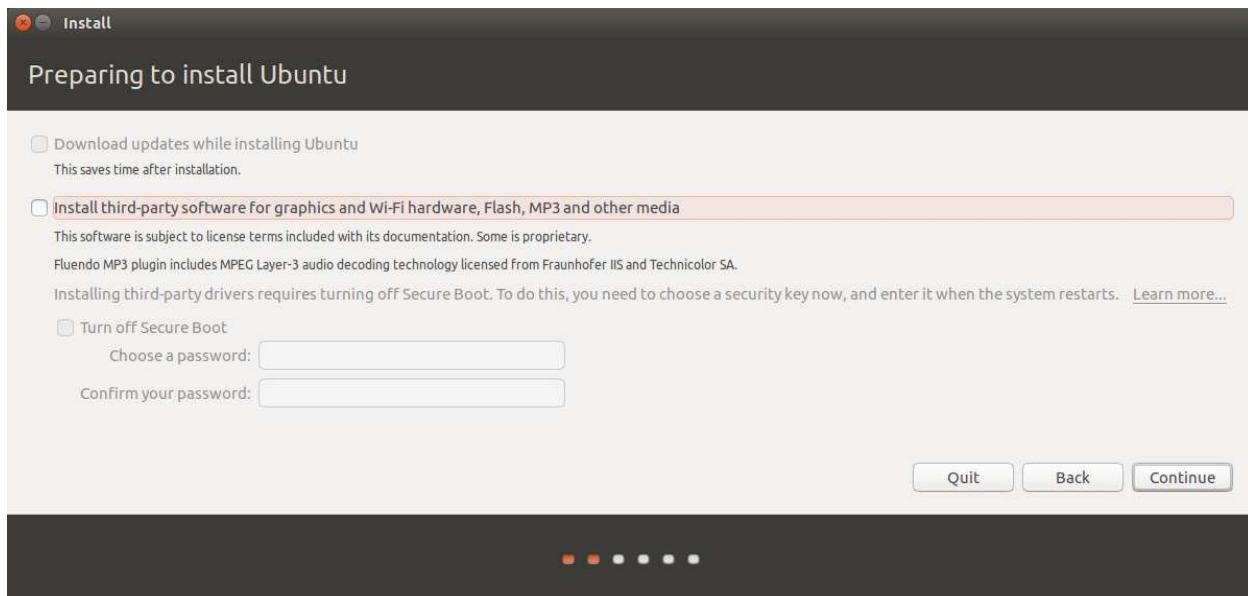
To connect to the internet click on the network icon in the top right corner and a list of wireless networks will be listed. Click on the network you wish to connect to and enter the security key when prompted.

You will need to click the back button on the "preparing to install Ubuntu" screen and then click continue again when you are back at the welcome screen.

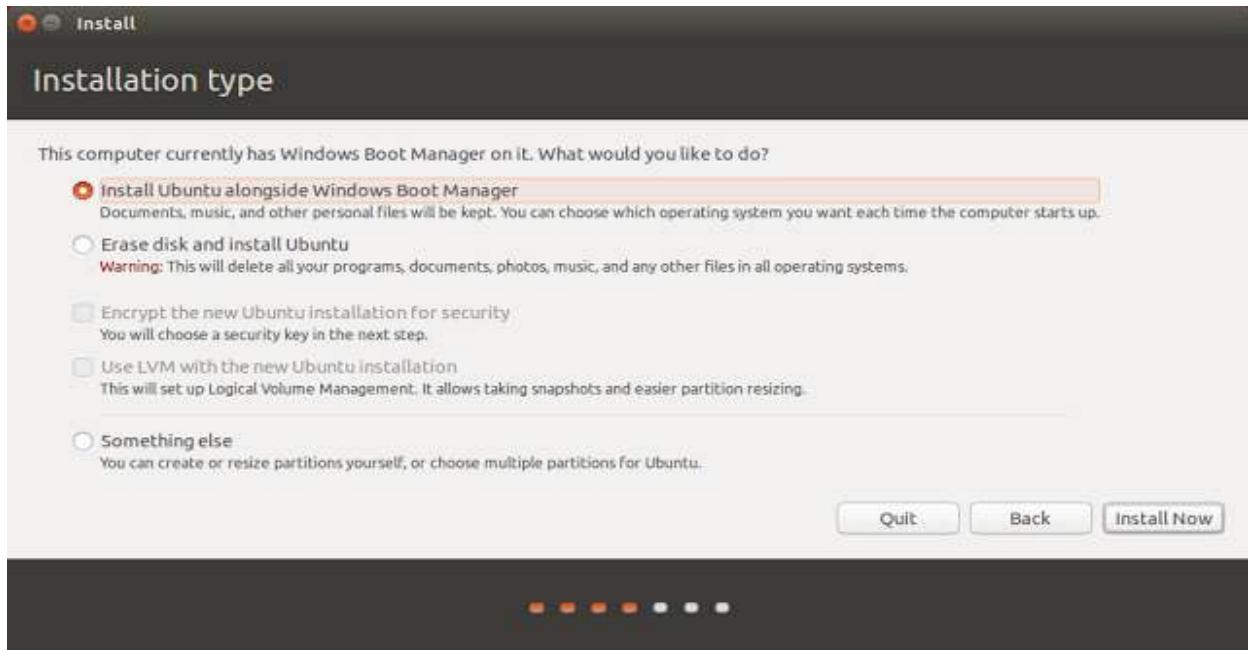
If you have a poor internet connection then I would choose not to connect to the internet. You can update your system after it has been installed.

You can choose to install the third party tools for playing MP3 audio as part of the installation process now by checking the box or you can do it after the system has been installed.

Click "**Continue**".



The “Installation Type” screen lets you decide whether you want to install Ubuntu alongside Windows or over the top.
Choose the “Install Ubuntu alongside Windows Boot Manager” option. Click “**Install Now**”



A window will appear showing you what is going to happen to your disk. By default the Ubuntu installer will create an ext4 partition for Ubuntu and all of your personal files and a swap partition used for swapping idle processes when memory gets low.

Click “Continue”.

Write the changes to disks?

If you continue, the changes listed below will be written to the disks. Otherwise, you will be able to make further changes manually.

The partition tables of the following devices are changed:

SCSI1 (0,0,0) (sda)

The following partitions are going to be formatted:

partition #6 of SCSI1 (0,0,0) (sda) as ext4

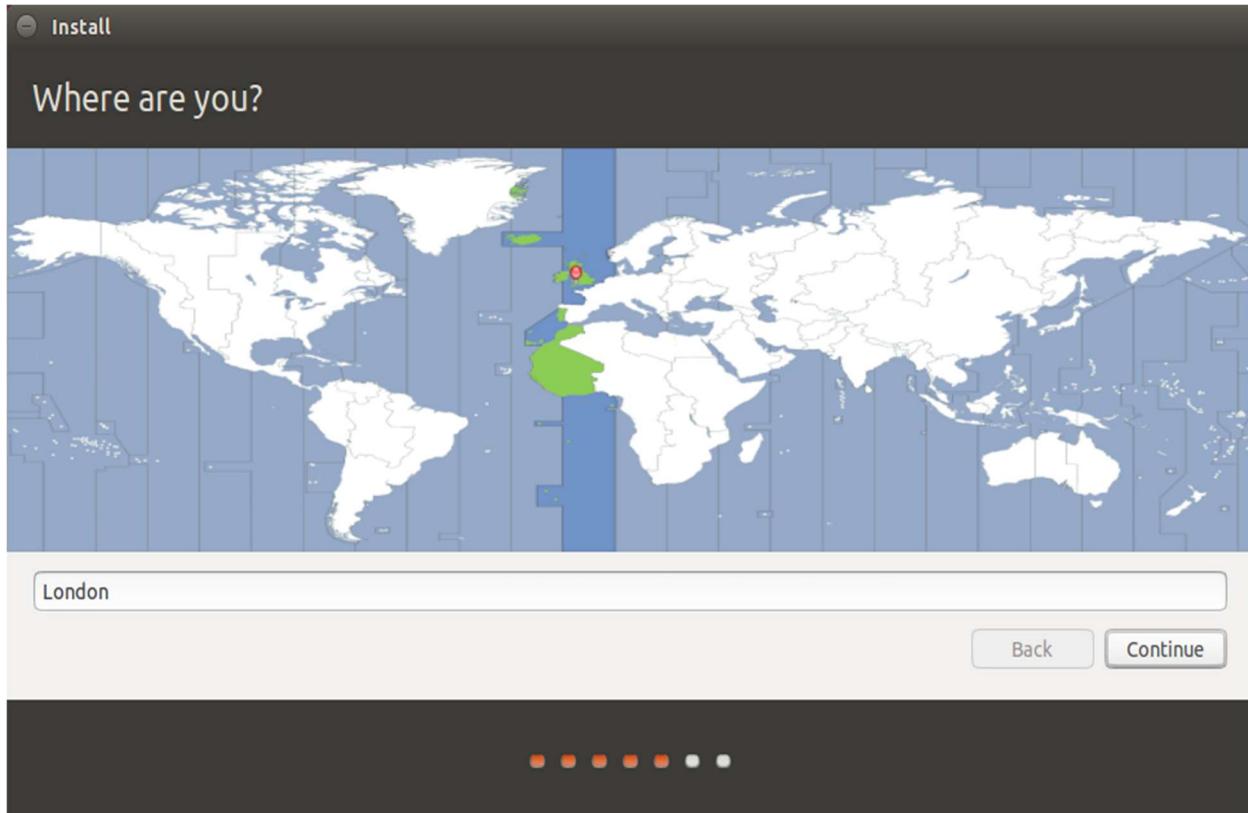
partition #5 of SCSI1 (0,0,0) (sda) as swap

[Go Back](#)

[Continue](#)

A map of the world will appear. The purpose of it is to make it possible for Ubuntu to set the time on your clock correctly

Click where you live on the map or start typing it into the box provided and then click “**Continue**”.



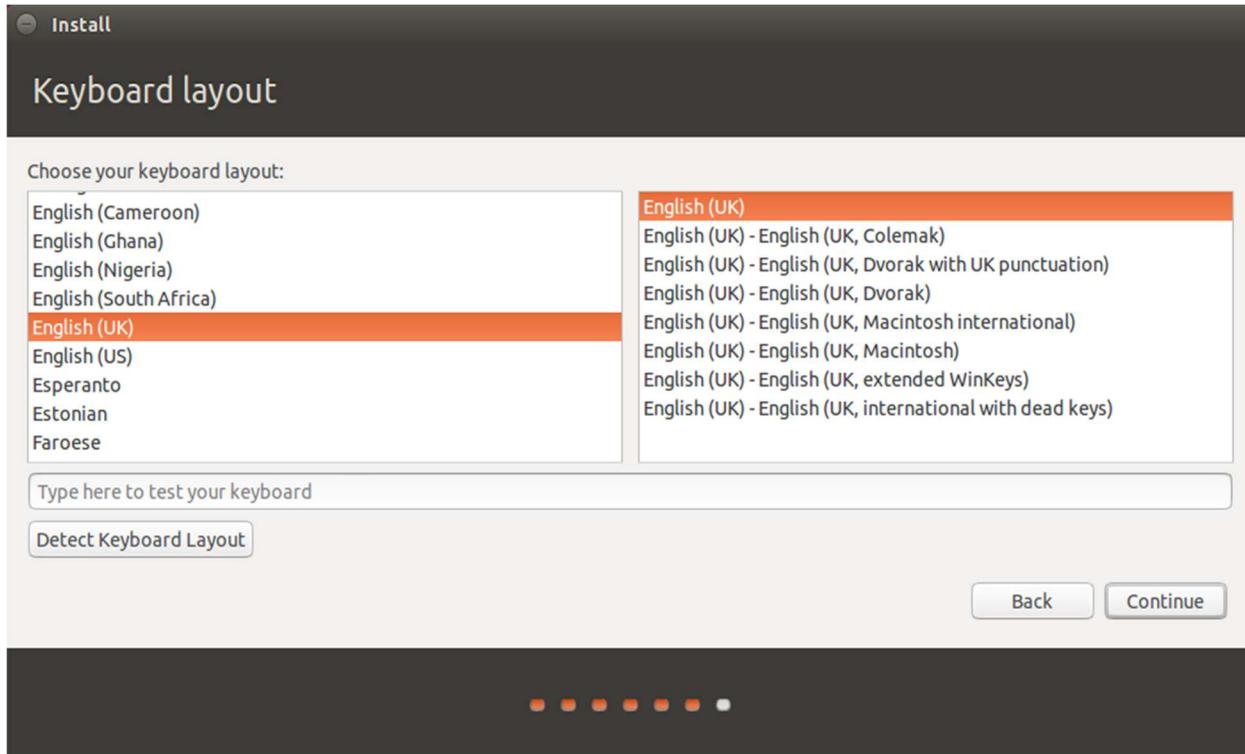
Almost there. Just two more steps before Ubuntu is installed.

You now need to choose your keyboard layout. Select your keyboard's language in the left pane and then the actual physical layout in the right pane.

Alternatively click on the detect keyboard layout option and it will more than likely do it for you.

Test out the keyboard layout that you have chosen by typing into the box provided. Specifically try out symbols such as the dollar sign, pound symbol, hash tags, speech marks, slashes and other special characters as these are the keys that tend to move around on a keyboard.

Click “Continue”.



The final step is to create a default user.

Enter your name and give your computer a name.

Enter a username into the box provided and choose a password and repeat it.

Click on the “Require my password to log in” option. I don’t really recommend anyone letting their machine log in automatically unless it is a virtual machine used for test purposes.

Finally click “Continue”.

Install

Who are you?

Your name: ✓

Your computer's name: ✓
The name it uses when it talks to other computers.

Pick a username: ✓

Choose a password: Weak password

Confirm your password: ✓

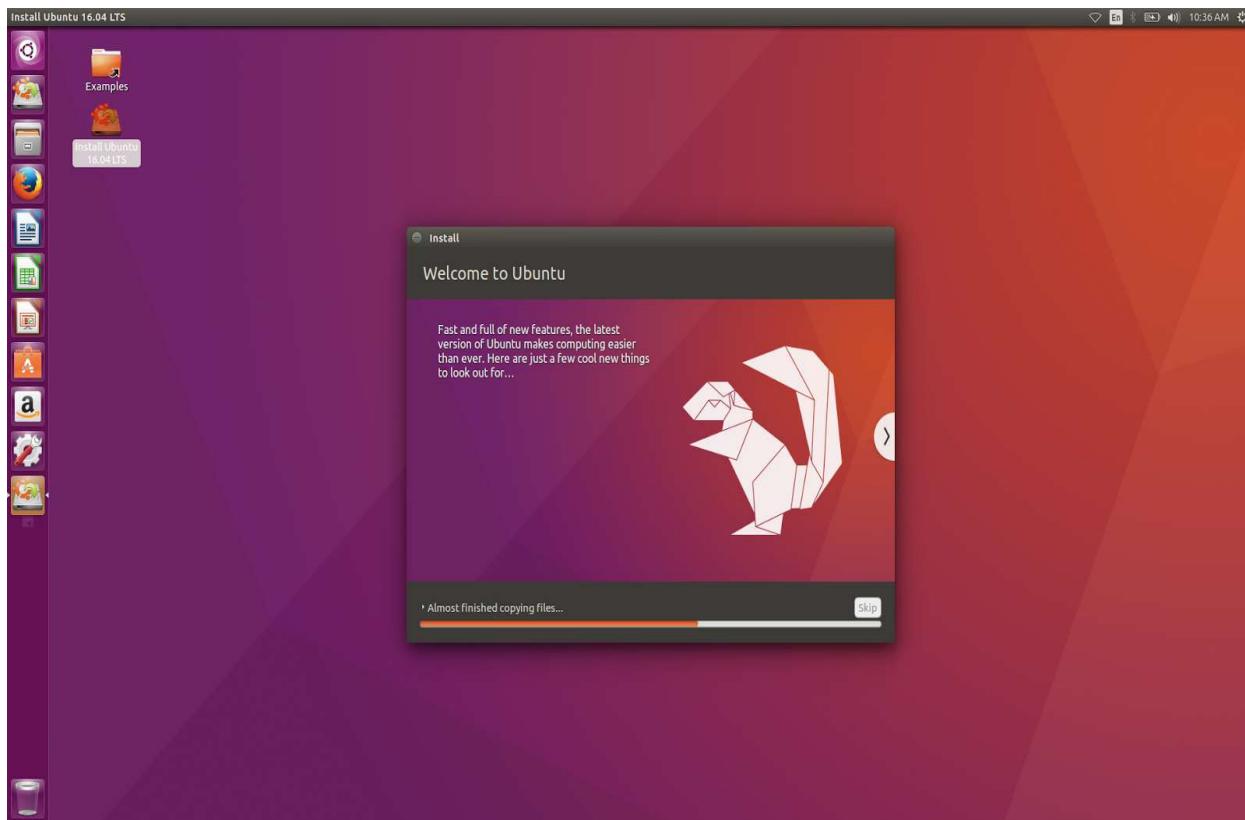
Log in automatically
 Require my password to log in
 Encrypt my home folder

Back

Continue



The files will now be copied to your computer.



When the process has finished you will have the options to continue test or to restart now.

Choose the “**Restart Now**” option.

