

INSTALLATION PROCEDURE FOR UBUNTU SERVER (Step-by-Step)

(Reference: [\(Ask_Ubuntu, n.d.\)](#))

First, you will need to download Ubuntu server 16.04LTS. A 64-bit version is recommended, but you can download it from <https://releases.ubuntu.com/16.04/>. Once downloaded you need to create a bootable CD/DVD or USB flash. Please refer to the following links on how to create bootable medium.

- 2 [How to burn a DVD on Windows](#)
- 2 [How to create a bootable USB stick on Windows](#)
- 2 [How to burn a DVD on Ubuntu](#)
- 2 [How to create a bootable USB stick on Ubuntu](#)

Once done, put the disc in your drive, or insert the USB flash, and reboot your machine. Make sure that you set your BIOS to boot either from the CD/DVD or USB flash depending on which installation method you choose.

Once booted, just follow the steps shown in the images below.

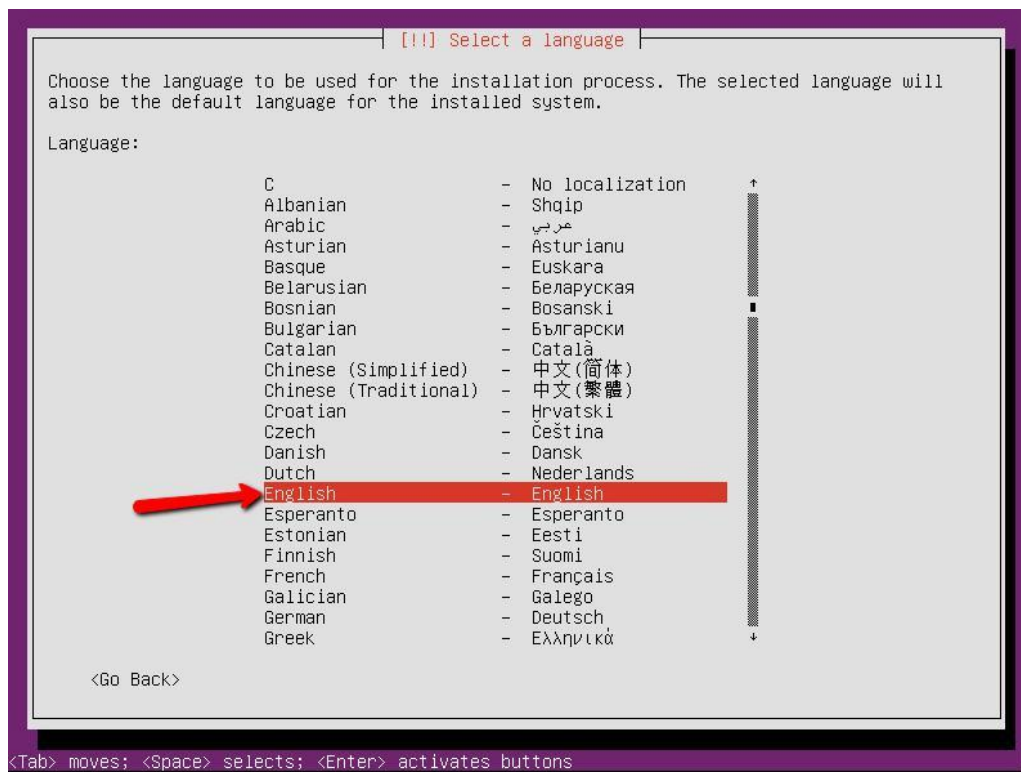
1. On the first screen you can choose your language of install.



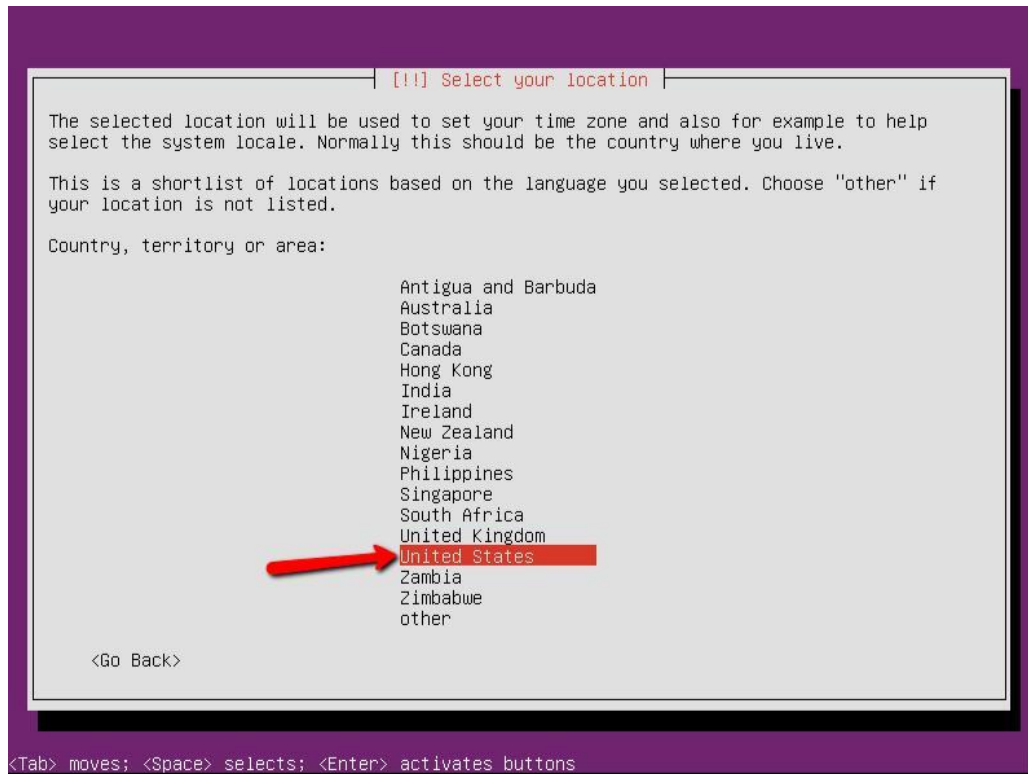
2. Select Install Ubuntu Server.



3. Select the language used for the installation process.



4. Select your geographical location.



[!] Select your location

The selected location will be used to set your time zone and also for example to help select the system locale. Normally this should be the country where you live.

This is a shortlist of locations based on the language you selected. Choose "other" if your location is not listed.

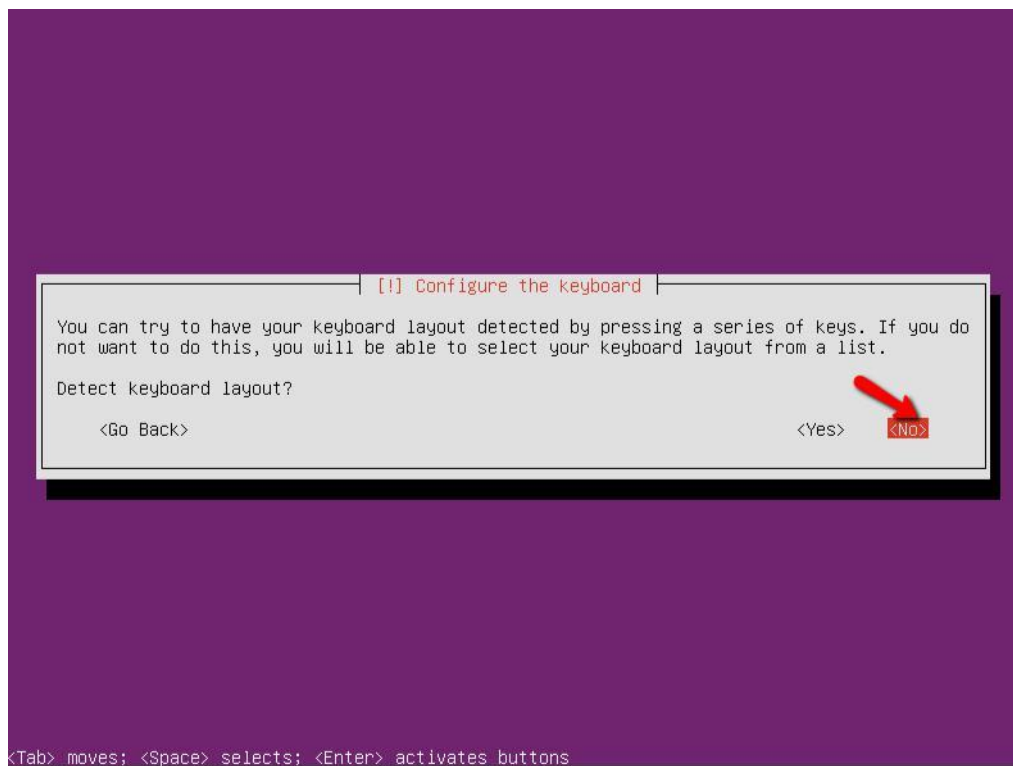
Country, territory or area:

- Antigua and Barbuda
- Australia
- Botswana
- Canada
- Hong Kong
- India
- Ireland
- New Zealand
- Nigeria
- Philippines
- Singapore
- South Africa
- United Kingdom
- United States**
- Zambia
- Zimbabwe
- other

<Go Back>

<Tab> moves; <Space> selects; <Enter> activates buttons

5. Configure your keyboard. I choose NO to manually choose the keyboard.



[!] Configure the keyboard

You can try to have your keyboard layout detected by pressing a series of keys. If you do not want to do this, you will be able to select your keyboard layout from a list.

Detect keyboard layout?

<Go Back> <Yes> **<No>**

<Tab> moves; <Space> selects; <Enter> activates buttons

6. Choose the English (US) for country origin.

[!] Configure the keyboard

The layout of keyboards varies per country, with some countries having multiple common layouts. Please select the country of origin for the keyboard of this computer.

Country of origin for the keyboard:

- Azerbaijani
- Bambara
- Belarusian
- Belgian
- Bengali
- Bosnian
- Braille
- Bulgarian
- Burmese
- Catalan
- Chinese
- Croatian
- Czech
- Danish
- Dhivehi
- Dutch
- Dzongkha
- English (Cameroon)
- English (Ghana)
- English (Nigeria)
- English (South Africa)
- English (UK)
- English (US)**

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<Tab> moves; <Space> selects; <Enter> activates buttons

7. Choose the English (US) keyboard layout.

[!] Configure the keyboard

Please select the layout matching the keyboard for this machine.

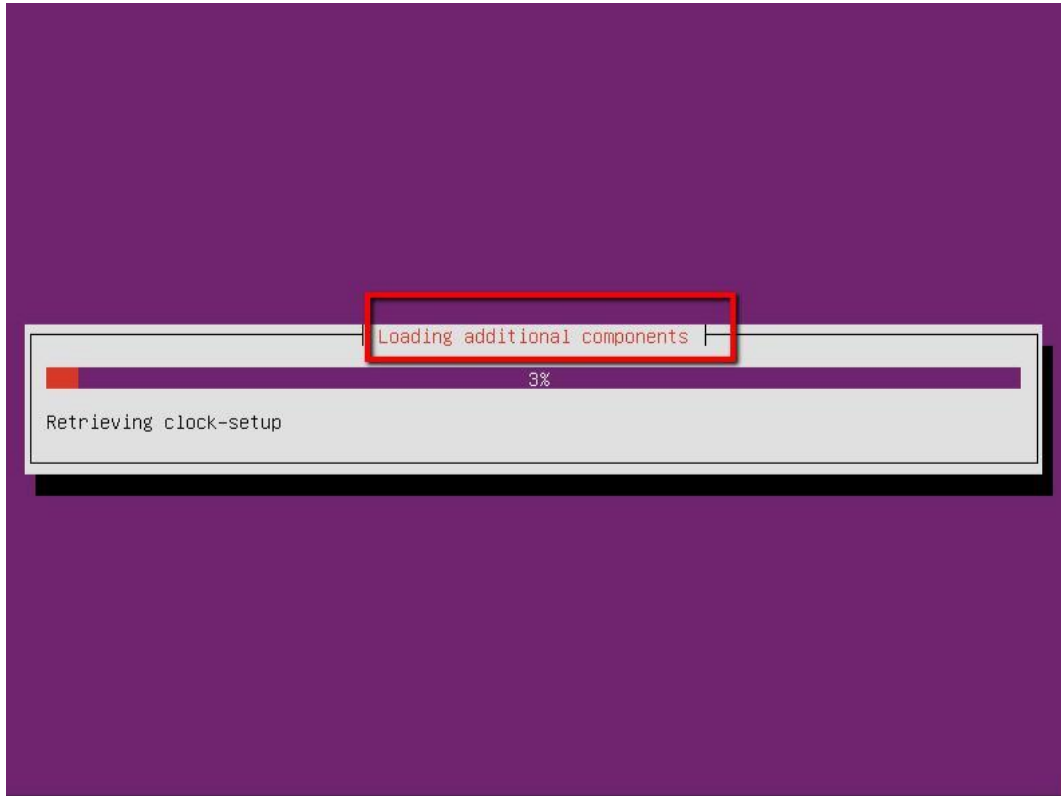
Keyboard layout:

- English (US)**
- English (US) - Cherokee
- English (US) - English (Colemak)
- English (US) - English (Dvorak alternative international no dead keys)
- English (US) - English (Dvorak international with dead keys)
- English (US) - English (Dvorak)
- English (US) - English (Macintosh)
- English (US) - English (US, alternative international)
- English (US) - English (US, international with dead keys)
- English (US) - English (US, with euro on 5)
- English (US) - English (classic Dvorak)
- English (US) - English (international AltGr dead keys)
- English (US) - English (layout toggle on multiply/divide key)
- English (US) - English (left handed Dvorak)
- English (US) - English (programmer Dvorak)
- English (US) - English (right handed Dvorak)
- English (US) - Russian (US, phonetic)
- English (US) - Serbo-Croatian (US)

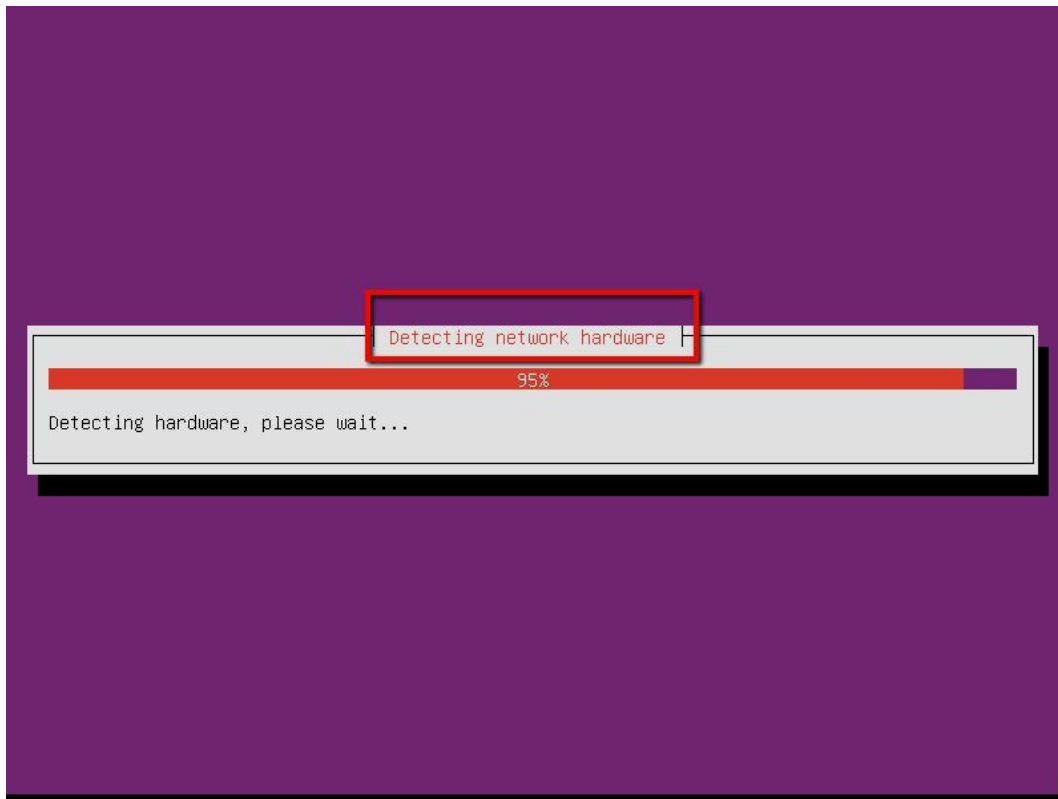
<Go Back>

<Tab> moves; <Space> selects; <Enter> activates buttons

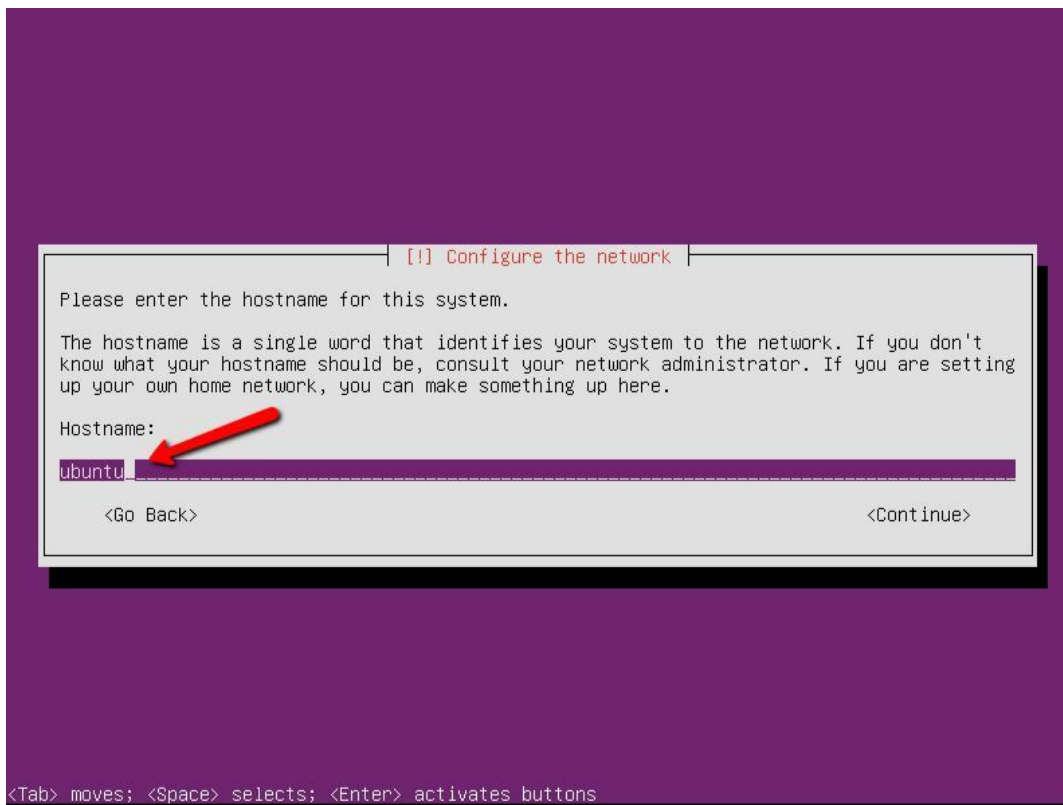
8. At this step, the installation will detect and load any additional component.



10. At this step, the installation will detect the network hardware.



11. Type in the host name you want to configure your server as.



12. Type in the user's name.

[[!]] Set up users and passwords

A user account will be created for you to use instead of the root account for non-administrative activities.

Please enter the real name of this user. This information will be used for instance as default origin for emails sent by this user as well as any program which displays or uses the user's real name. Your full name is a reasonable choice.

Full name for the new user:

<Go Back> <Continue>

<Tab> moves; <Space> selects; <Enter> activates buttons

13. Type in a password for the username. (Standard password should be test123)

[[!]] Set up users and passwords

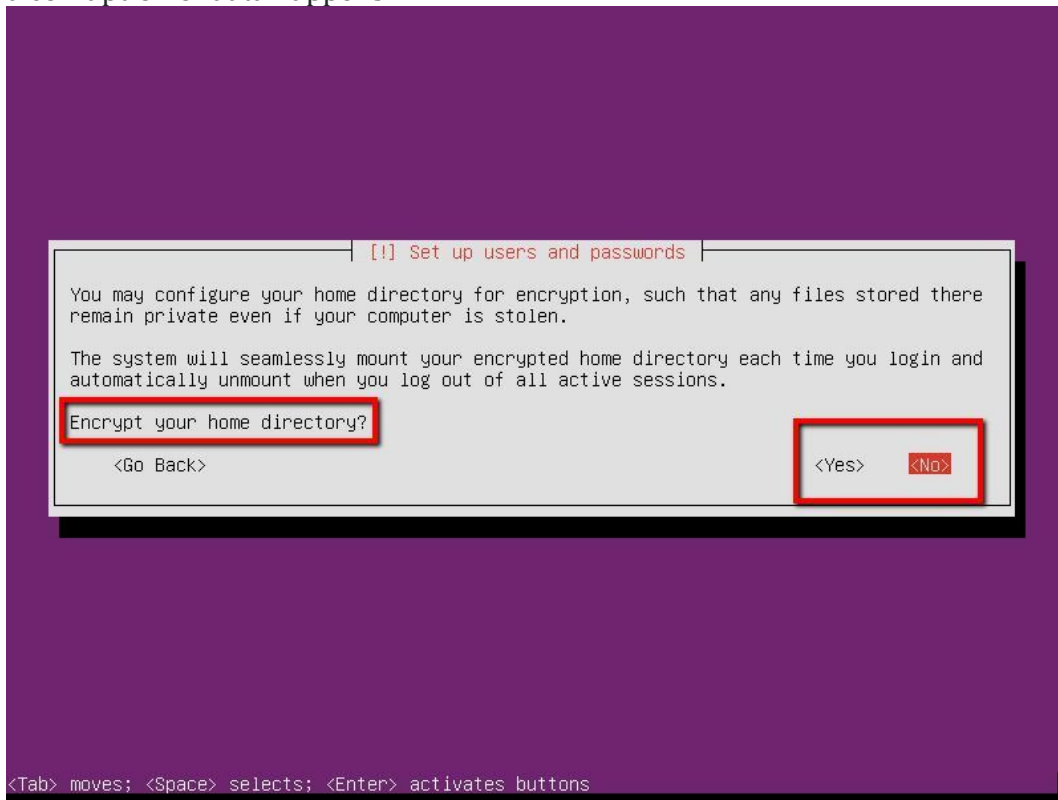
Please enter the same user password again to verify you have typed it correctly.

Re-enter password to verify:

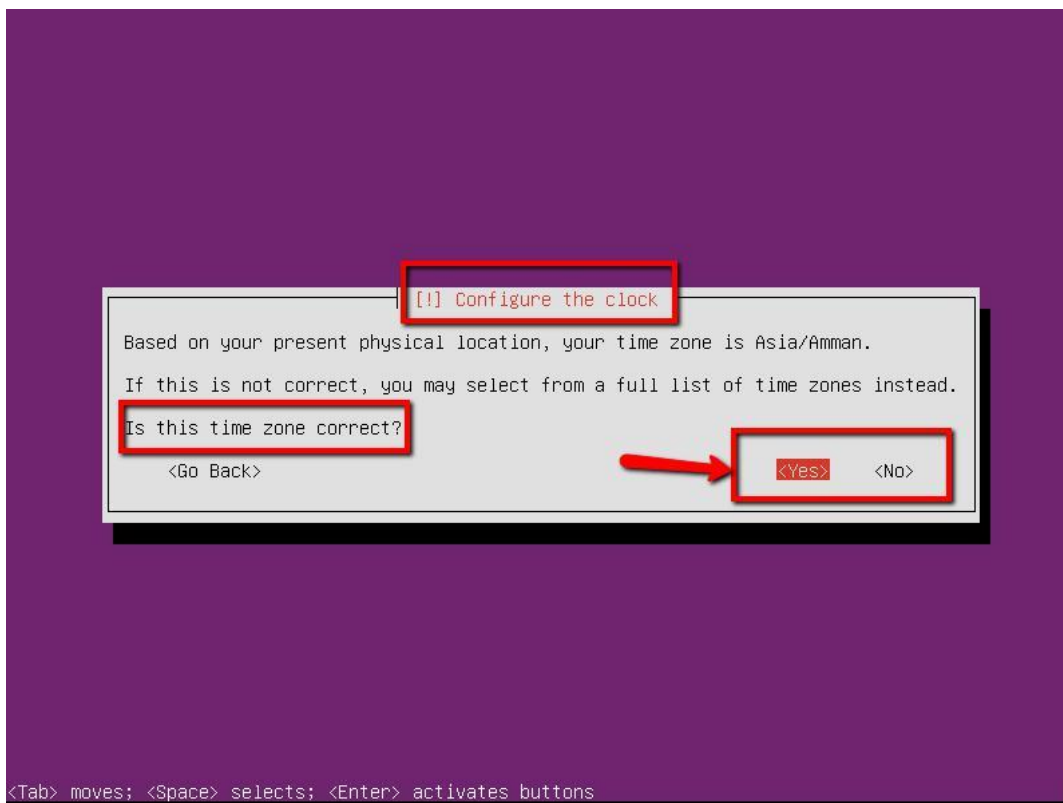
<Go Back> <Continue>

<Tab> moves; <Space> selects; <Enter> activates buttons

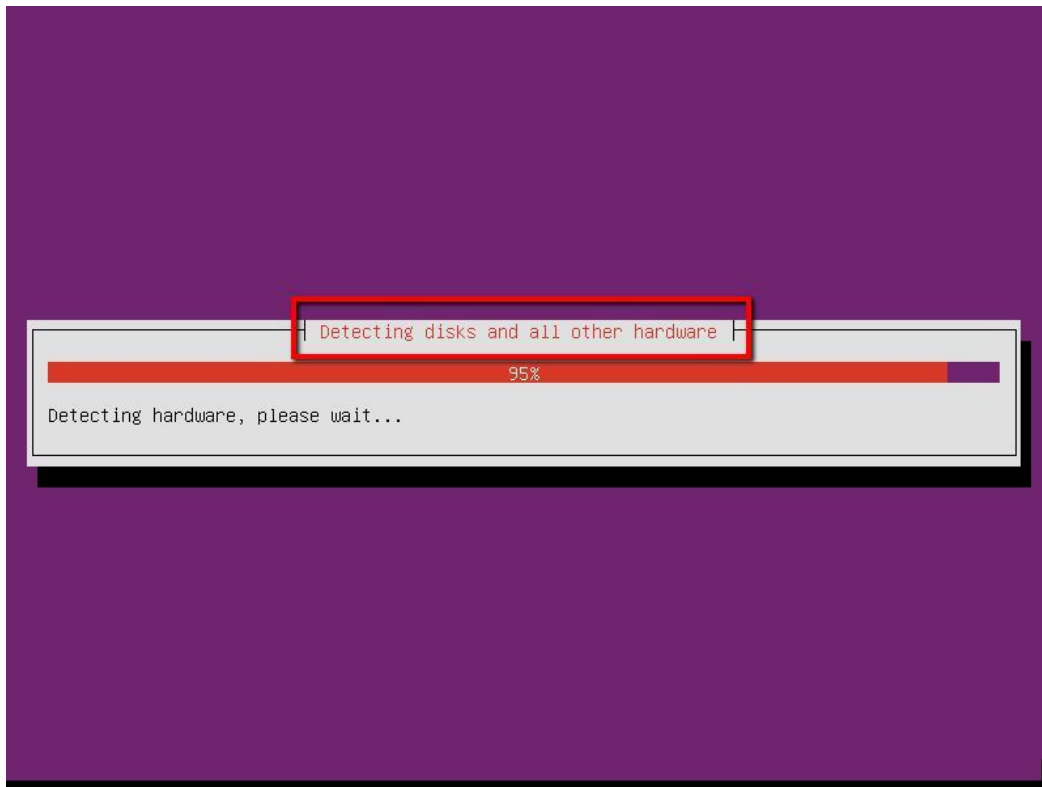
14. Choose whether to encrypt your home directory or not. I recommend selecting No I recommend selecting No because it makes it easier to do recovery if needed in case a corruption of data happens.



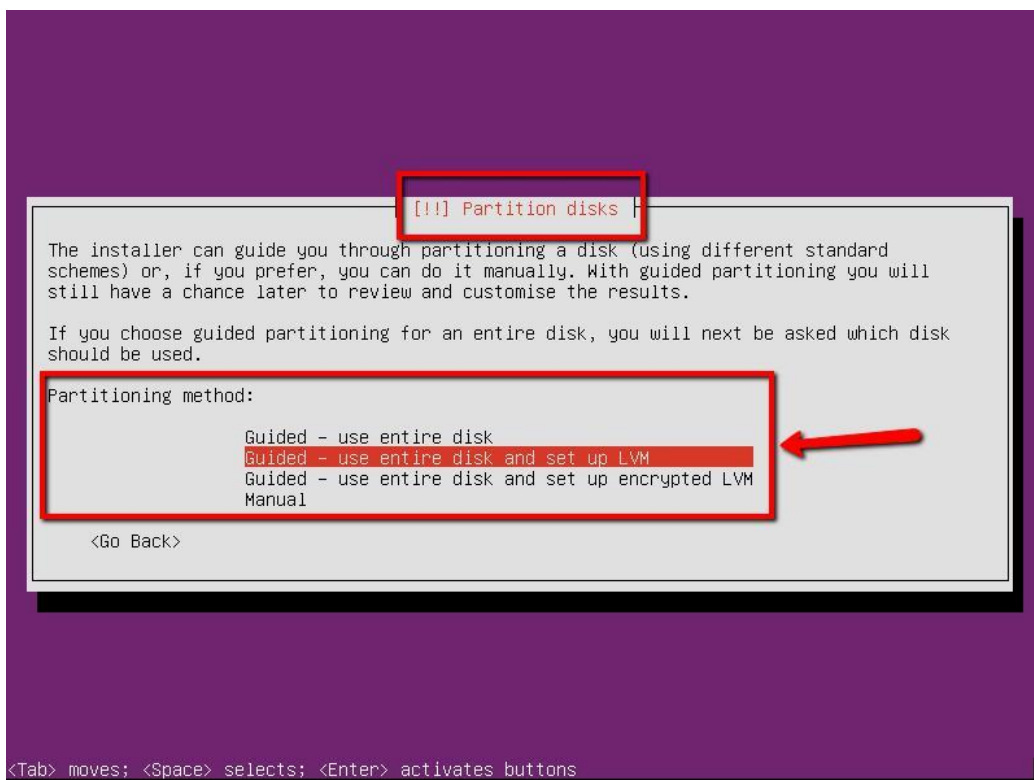
15. Configure clock, and time zone.



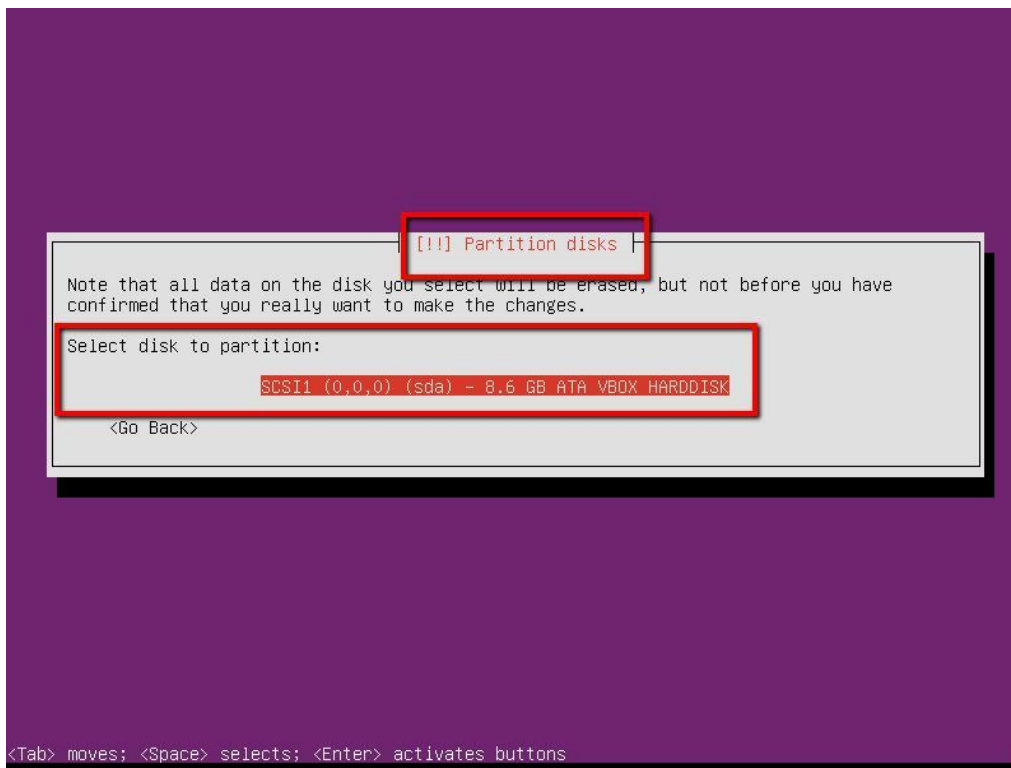
16. At this point, the installation is detecting disks, and other hardware.



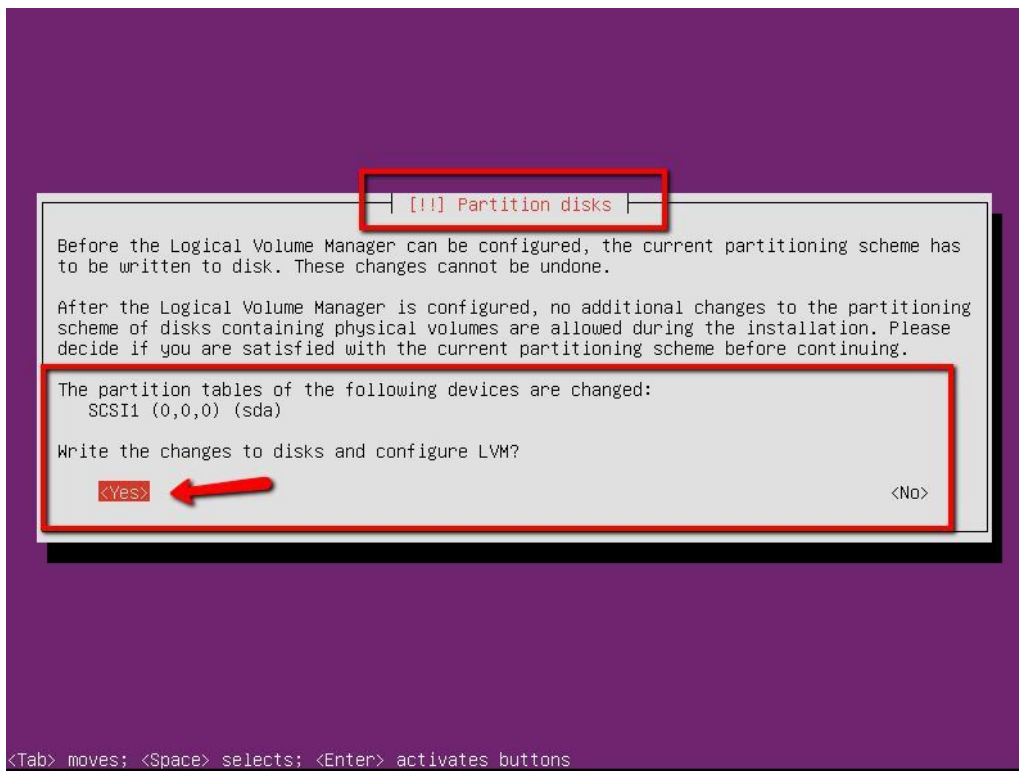
17. At this stage is were you partition your disk(s). Select Guided as it is the default method.



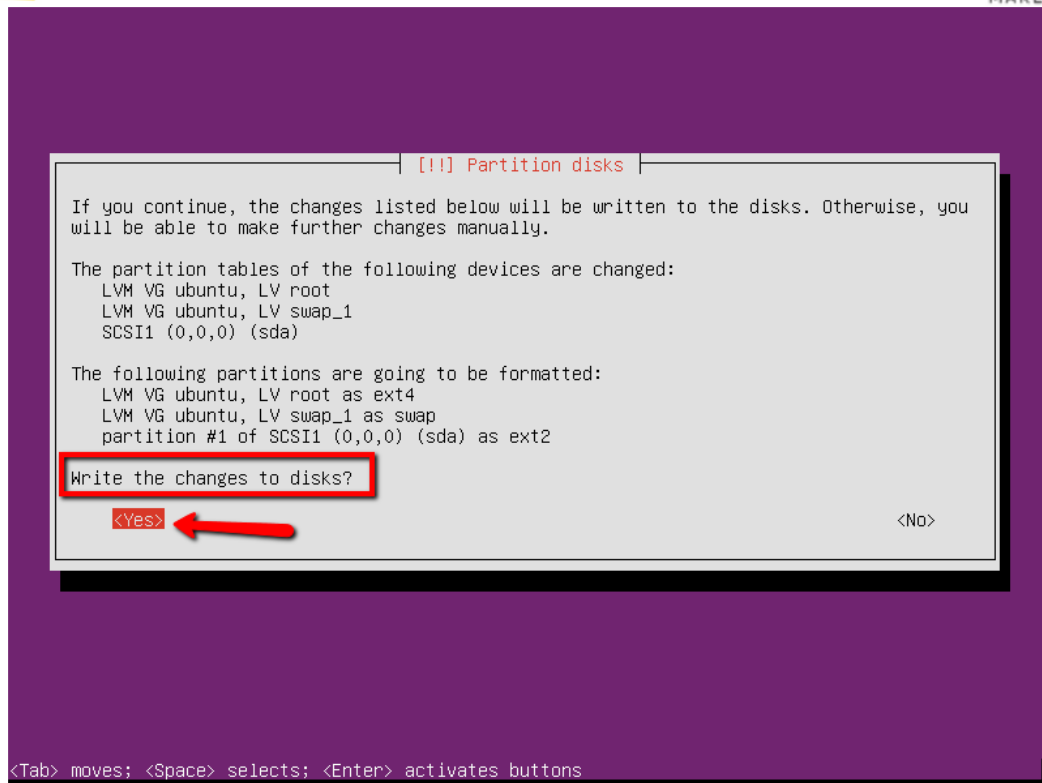
18. Select the partition of your choice, is this installation its the SCSI1.



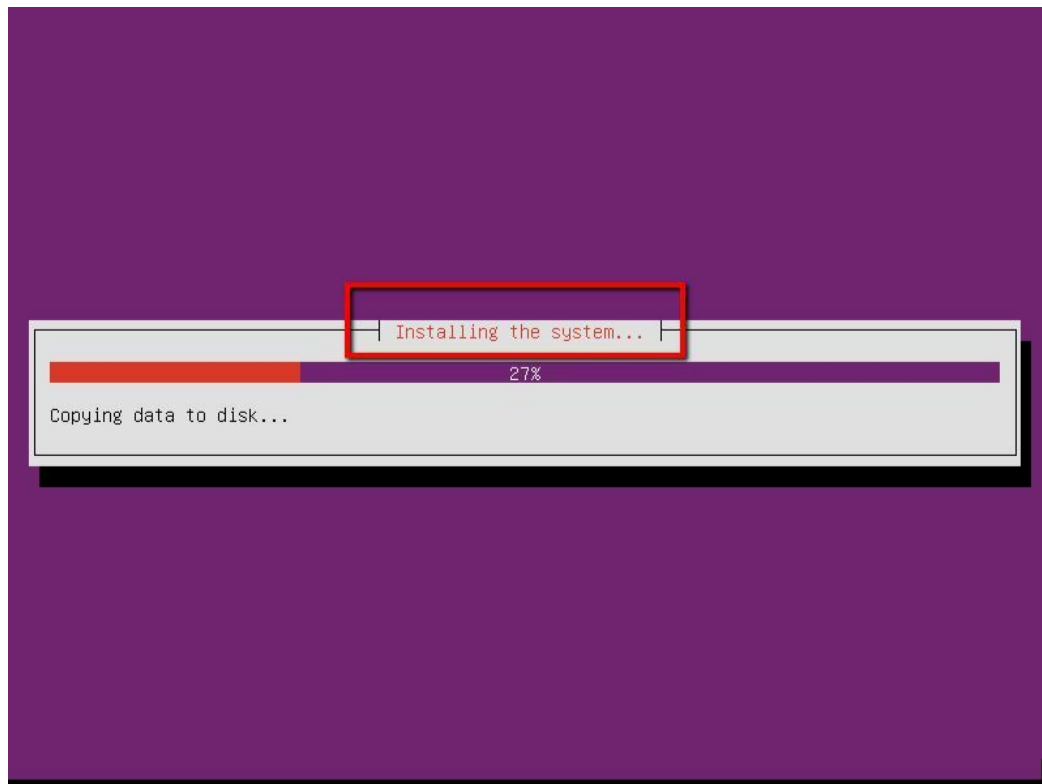
19. Select Yes to start writing the changes to disks, and configure LVM.



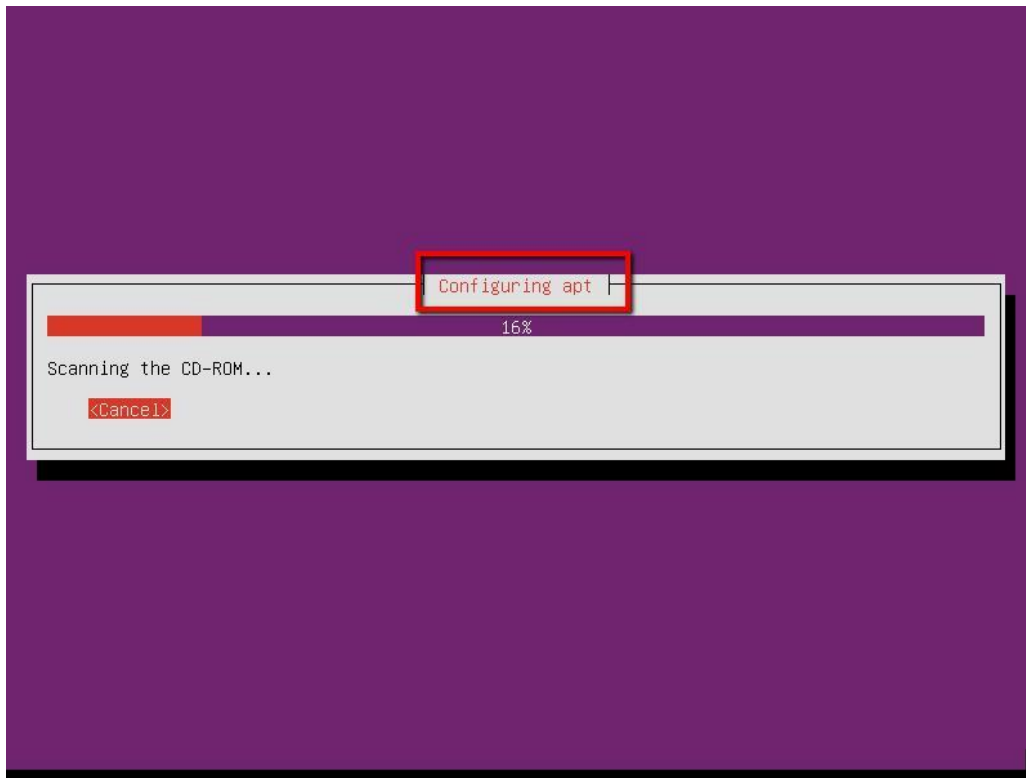
20. Answer Yes to actually write the changes to disk.



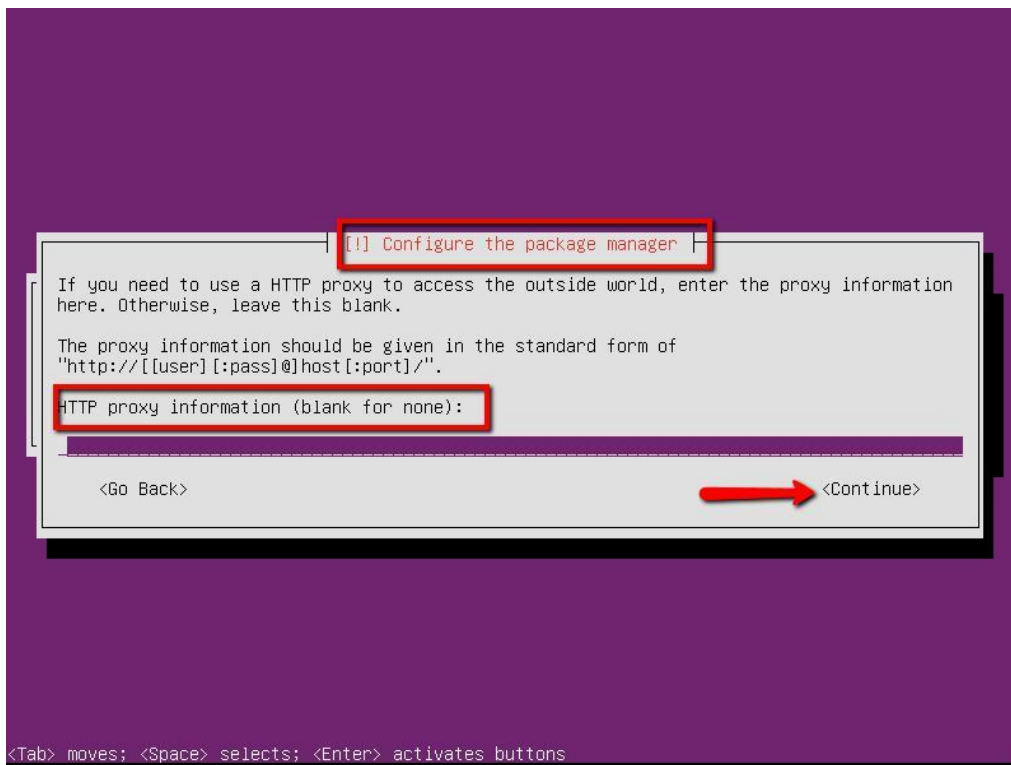
21. The installation is copying data at this stage.



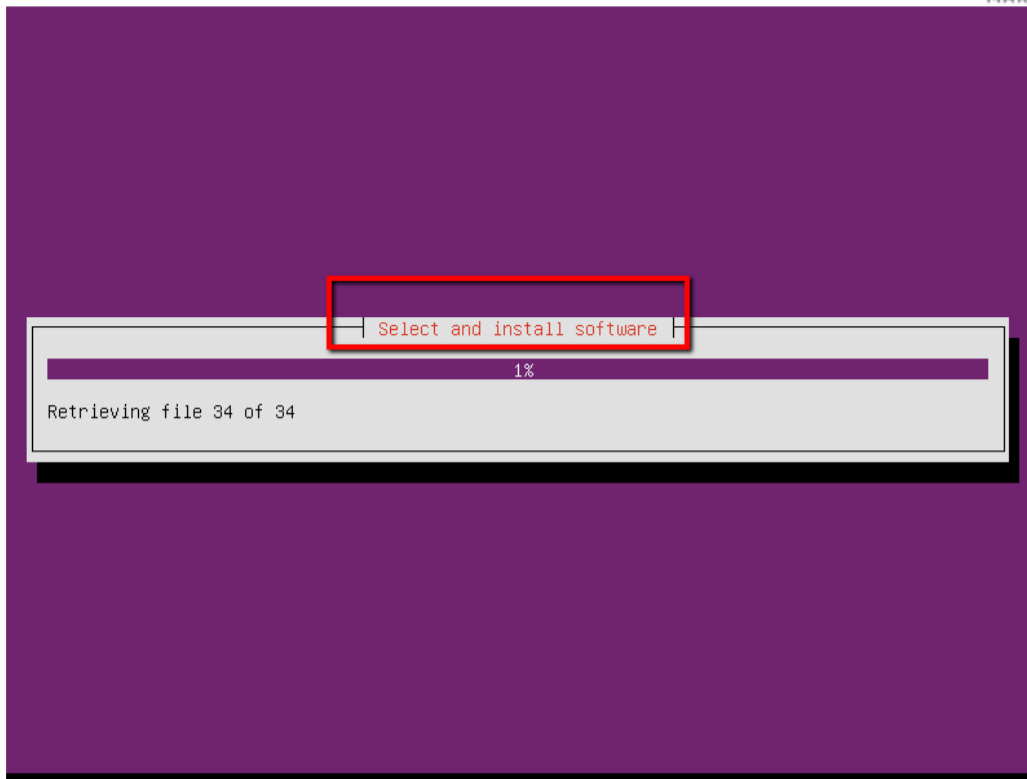
22. At this stage the installation is configuring Apt Sources.List.



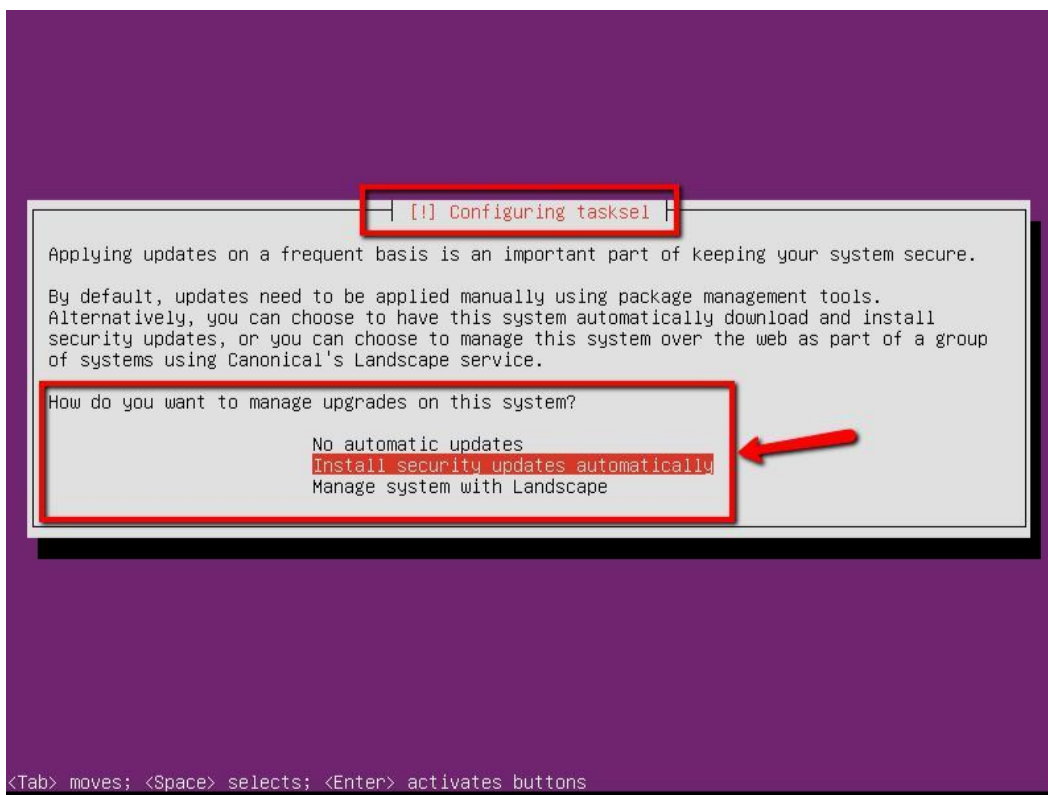
23. This is where you can configure a Proxy. I select Continue since I'm not using a proxy.



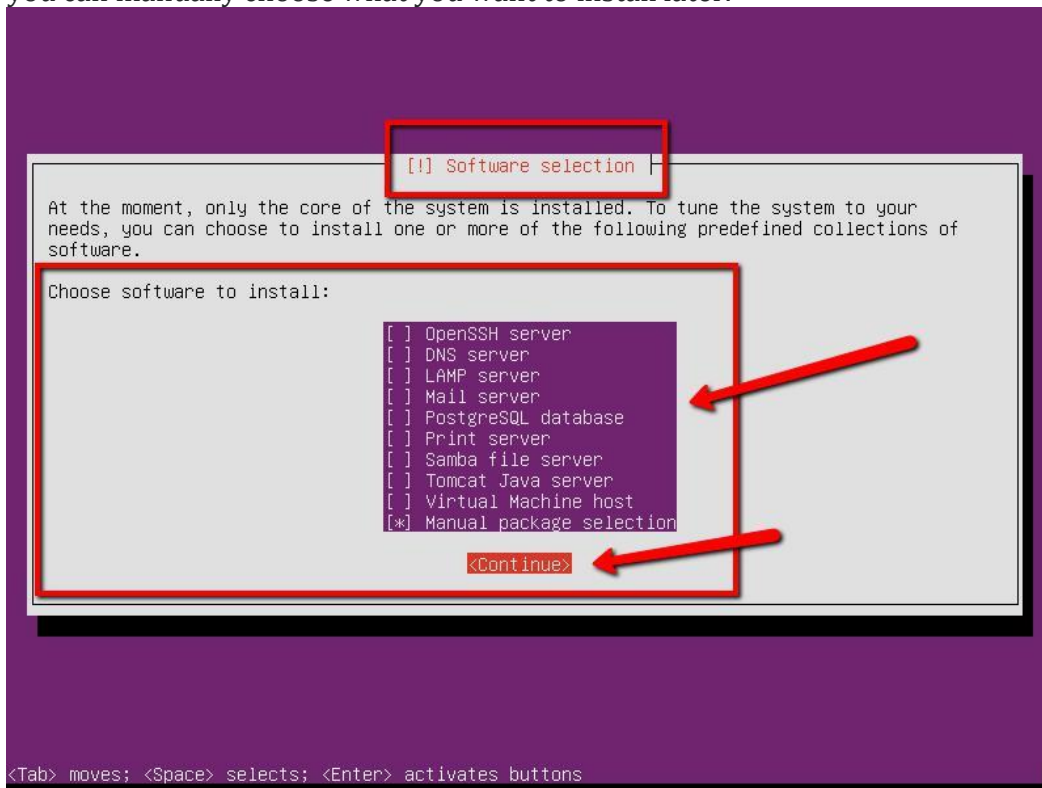
24. The installation is selecting the software being installed.



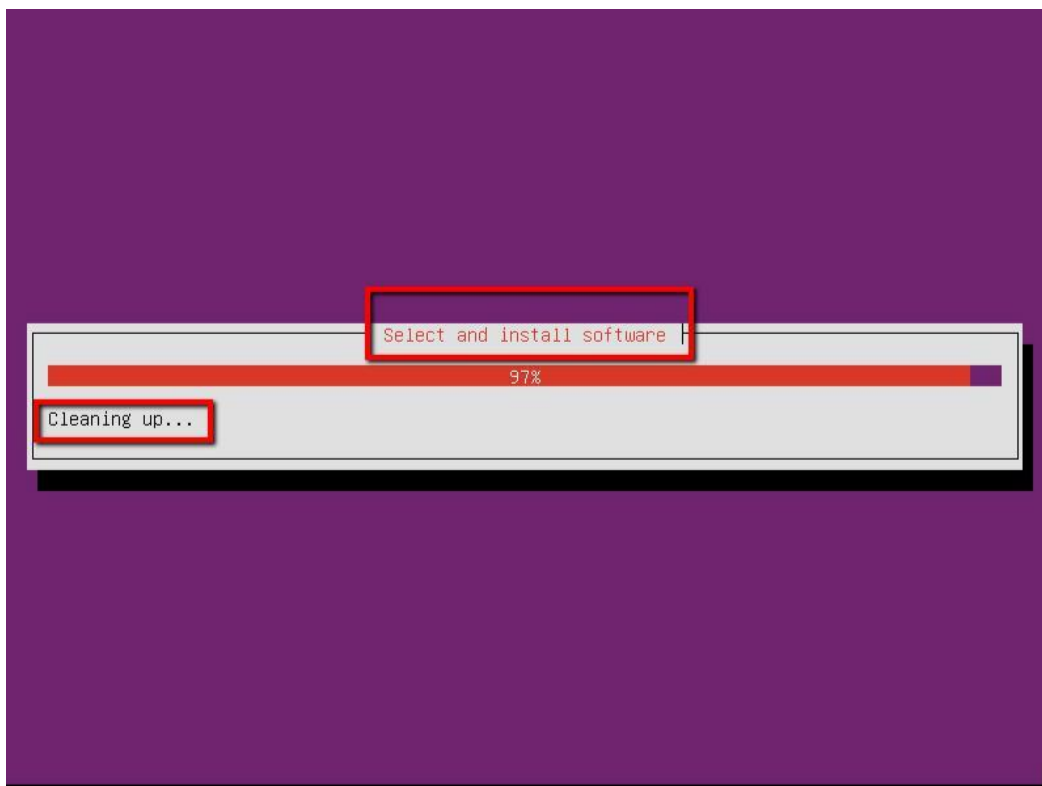
25. This is where you configure how to install updates. I choose the automatic method.



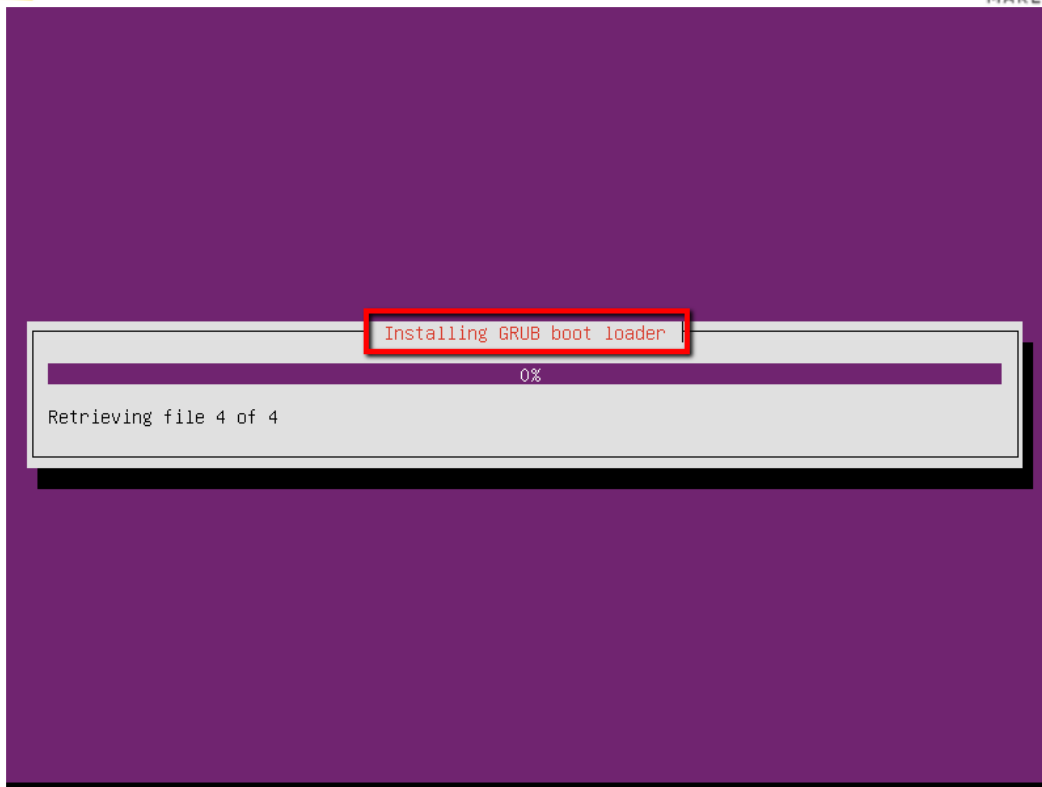
26. You can choose one these option at the time of install or later. if you select continue, you can manually choose what you want to install later.



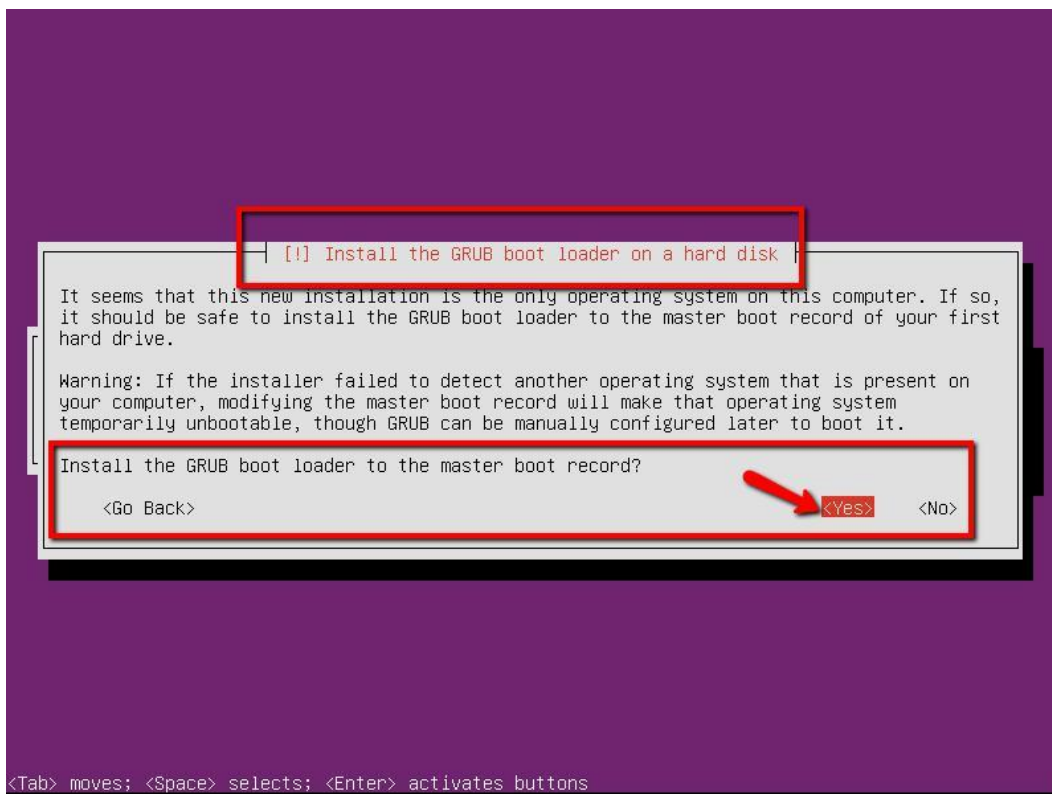
27. Cleaning up is being done.



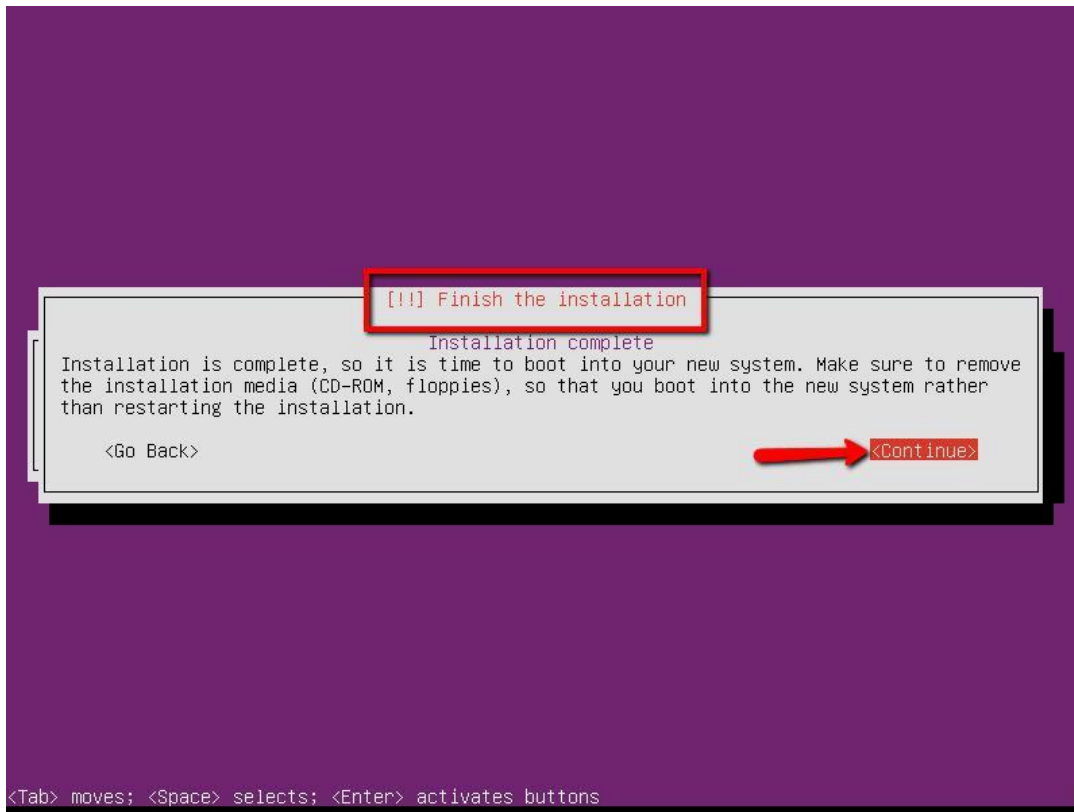
28. Starting the installation of Grub



29. Select Yes to install grub to the Master Boot Record.



30. Finishing the installation. Select continue and remove the disk or USB.



You're done. Reboot your machine, and type in your username you created earlier, and your password to login. That's it, you are now logged in to your new Ubuntu server!

Please refer to KenyaEMR installation procedure for KenyaEMR installation on Ubuntu.