

# Ubuntu 16.04 Graphical Installation Guide

V1.0

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**Version**

Version	Date	Editor	Comment
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## **Purpose**

This guide is to provide a simple step-by-step guidance for users to follow on how to install Ubuntu OS on Advantech server.

## **Requirements**

- a. Internet connection
- b. DVD burner with blank DVD medium or USB stick drive of minimum 2GB size

## **Before Installing Ubuntu**

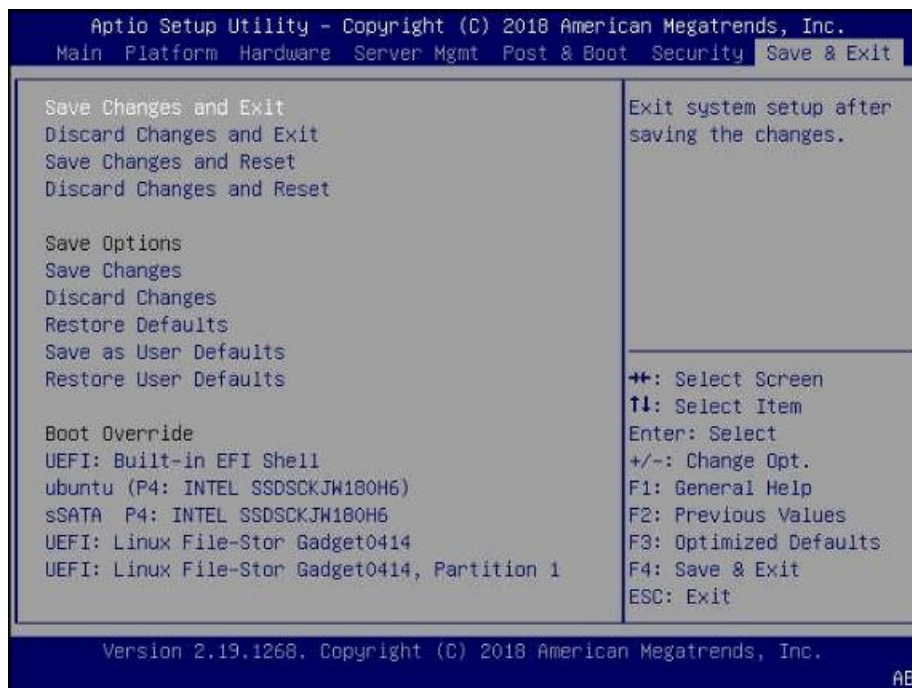
- a. Download Ubuntu image from [Official Ubuntu download page](#)
- b. Create bootable DVD or USB stick
  - 1. Please go to [How to burn a DVD on Windows from official Ubuntu tutorials](#)
  - 2. Please go to [Create a bootable USB stick on Windows from official Ubuntu tutorials](#)

## **Procedures**

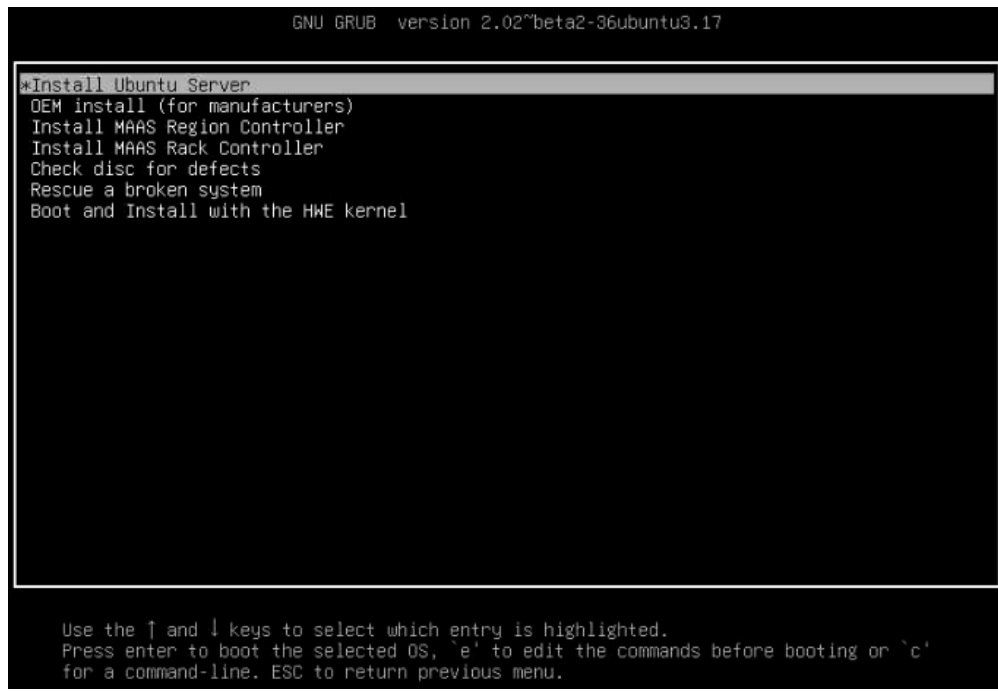
- a. Boot from install media
  - 1. Put the Ubuntu DVD into your DVD drive or insert the USB stick or other install media.
  - 2. Power up the Advantech server and go to the BIOS by hitting the “**DEL**” or “**F2**” key.



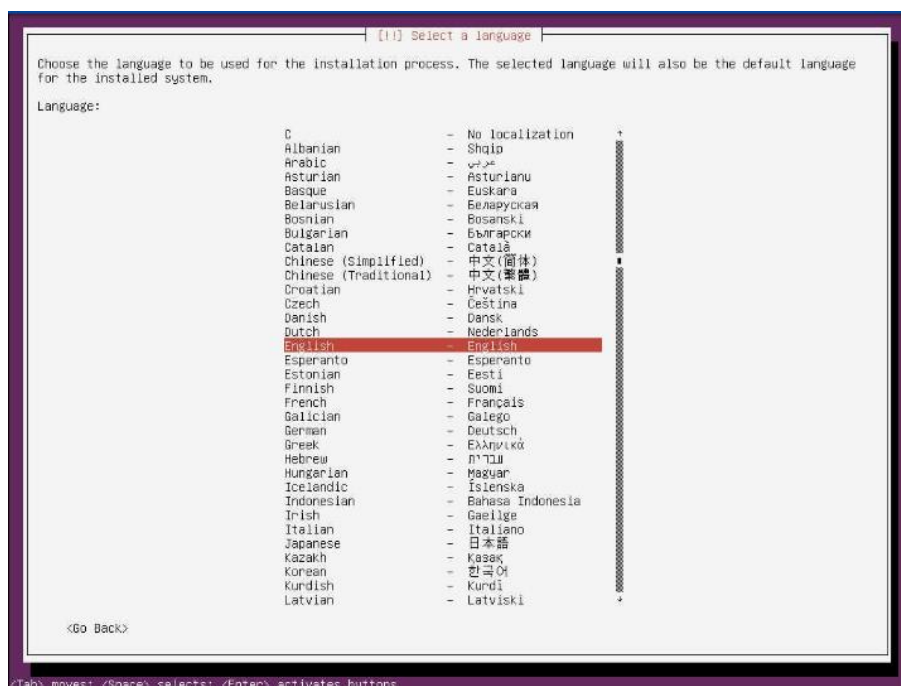
3. In BIOS setup menu, move to the “Save&Exit” menu. You can select the DVD or USB stick in the “Boot Override” Menu. Boot Override will modify the boot order for a single boot process only and will automatically revert back to the original boot priority. After making these changes leave the Setup Menu via “Save&Exit”.



4. After a few seconds, you should see messages like those shown below on the screen.

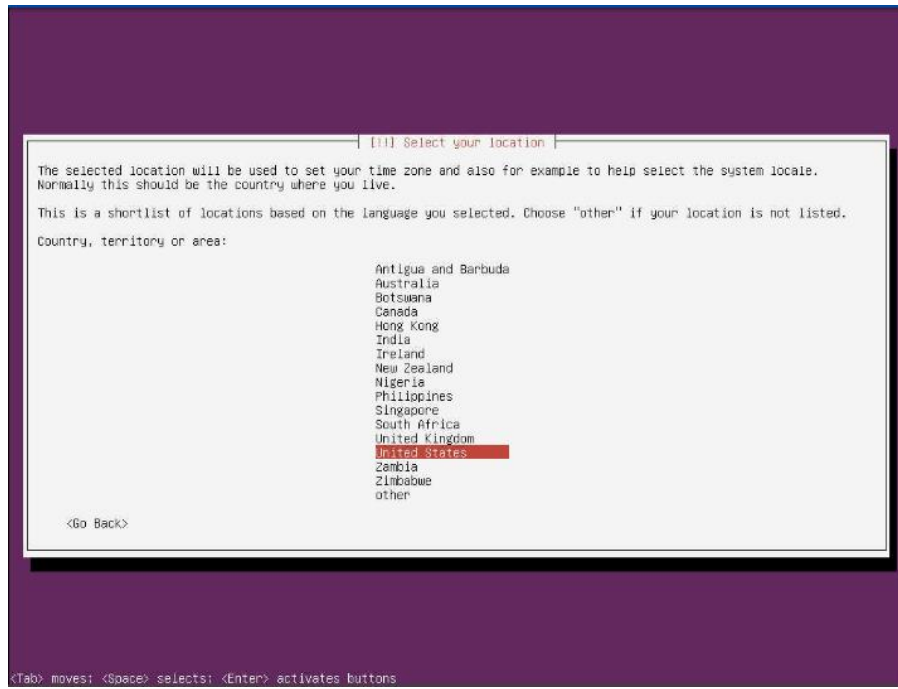


5. Select "Install Ubuntu Server" to install on Advantech server.
- b. Start to install Ubuntu OS on Advantech server.
1. Choose your language

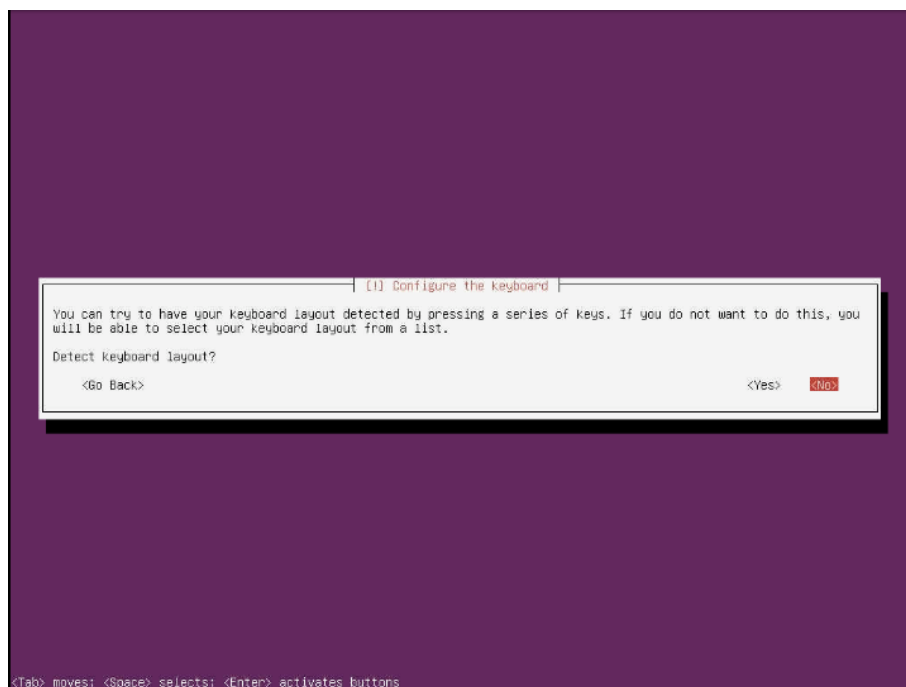


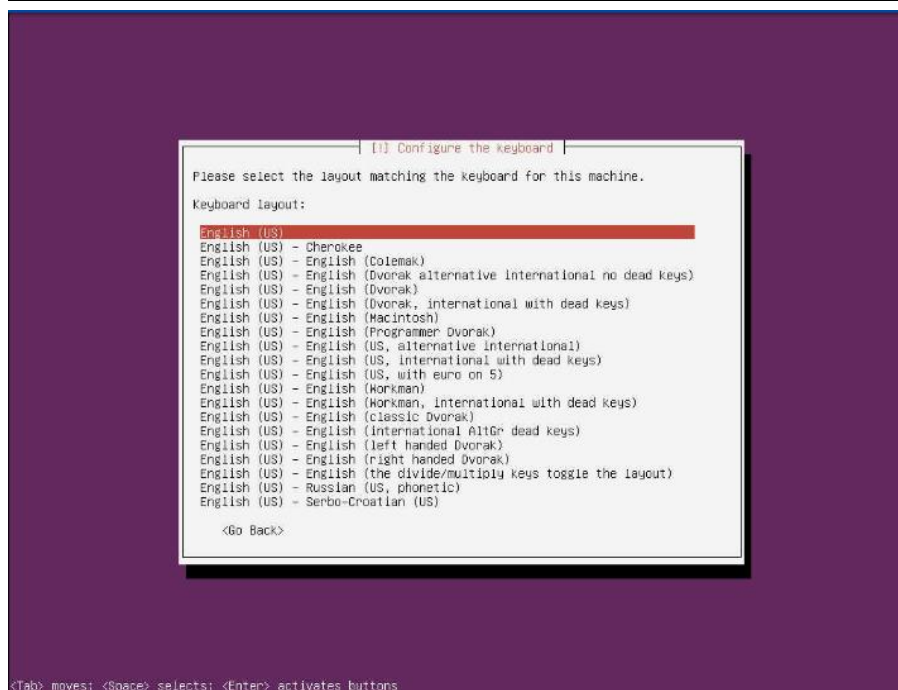
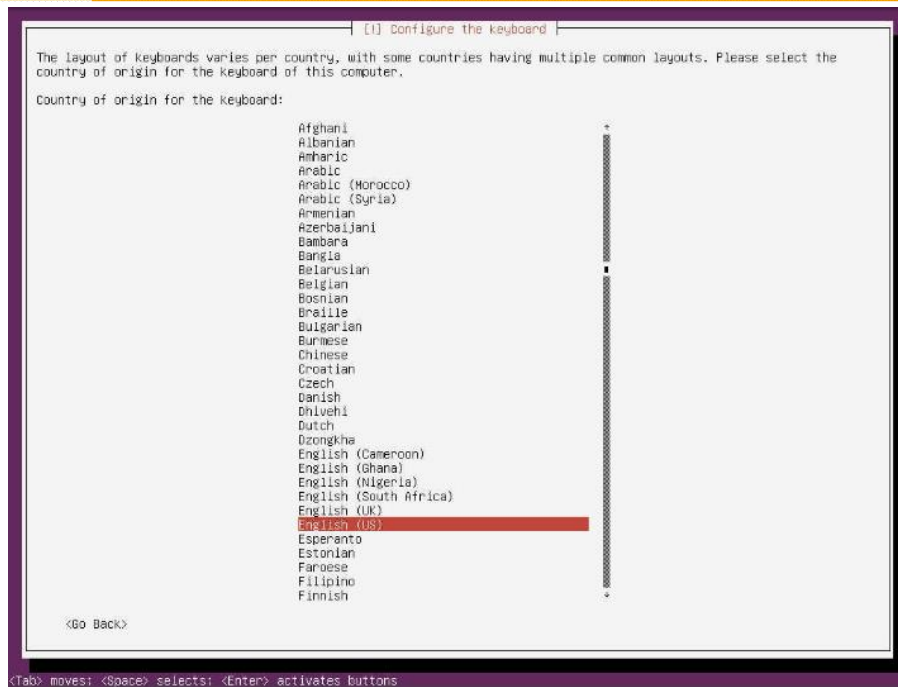


## 2. Choose your location



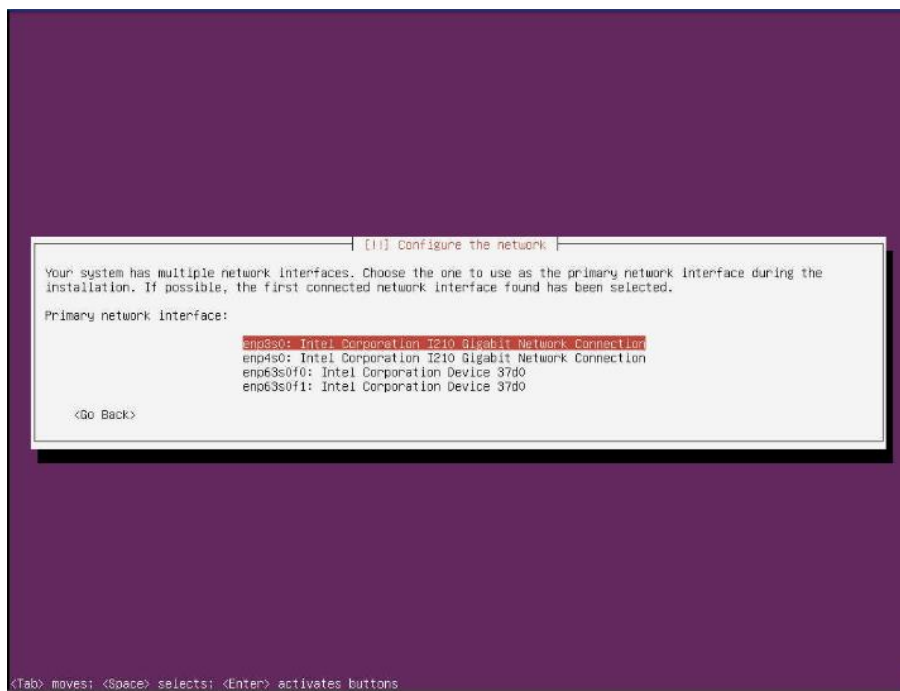
## 3. Choose the correct keyboard layout



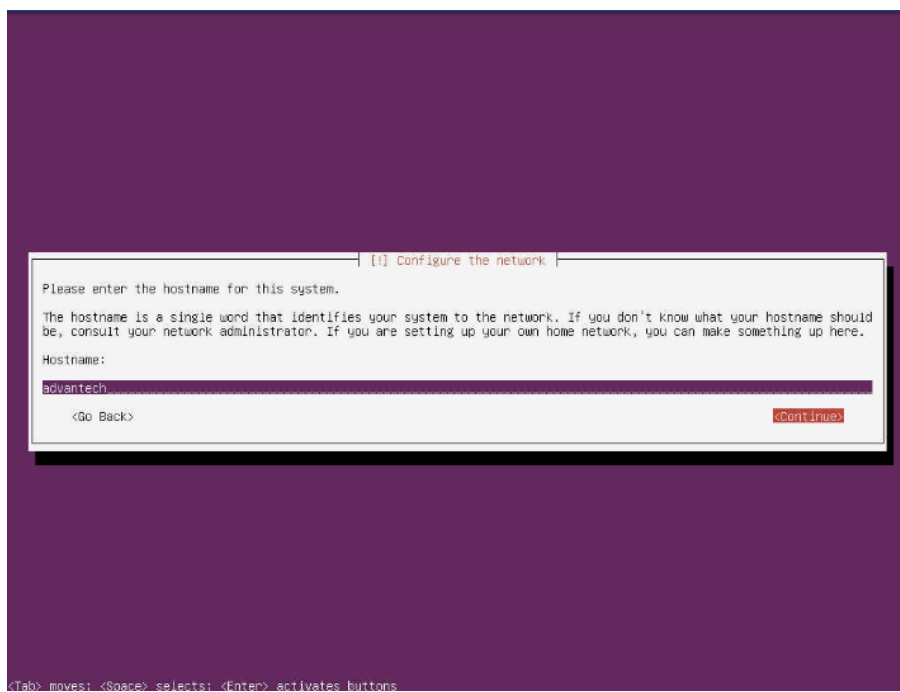




4. Configure the network with DHCP if there is a DHCP server in the network.



5. Enter the hostname of the system



6. Log-in as a root user directly is not allowed by Ubuntu. Therefore, you need to create a new system user for the initial login.

[!!!] 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:

advantech

<Go Back> <Continue>

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

[!!!] Set up users and passwords

Select a username for the new account. Your first name is a reasonable choice. The username should start with a lower-case letter, which can be followed by any combination of numbers and more lower-case letters.

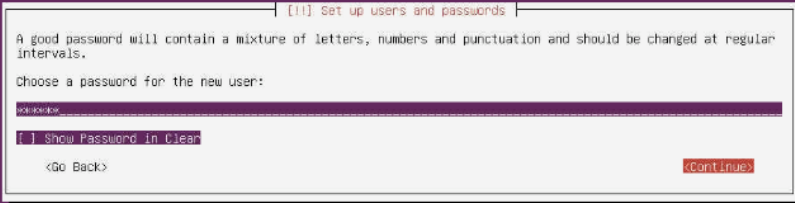
Username for your account:

advantech

<Go Back> <Continue>

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

## 7. Choose a password for the new user



[[1]] Set up users and passwords

A good password will contain a mixture of letters, numbers and punctuation and should be changed at regular intervals.

Choose a password for the new user:

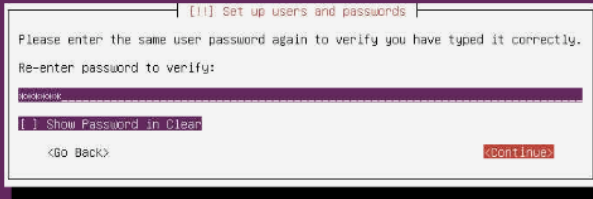
password

☐ Show Password in Clear

[<Go Back>](#) [Continue](#)

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

## 8. Re-enter password to verify



[[1]] Set up users and passwords

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

Re-enter password to verify:

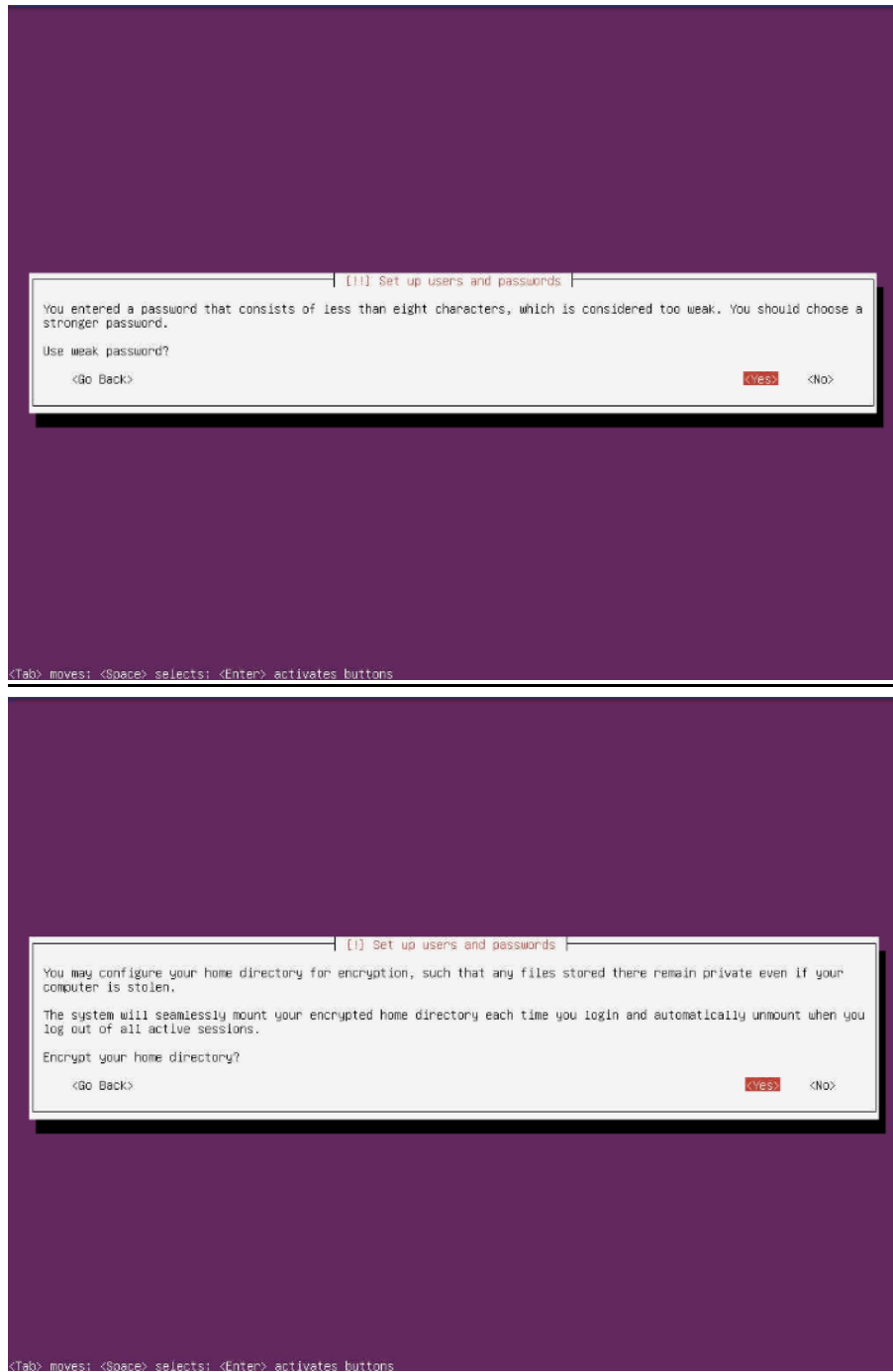
password

☐ Show Password in Clear

[<Go Back>](#) [Continue](#)

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

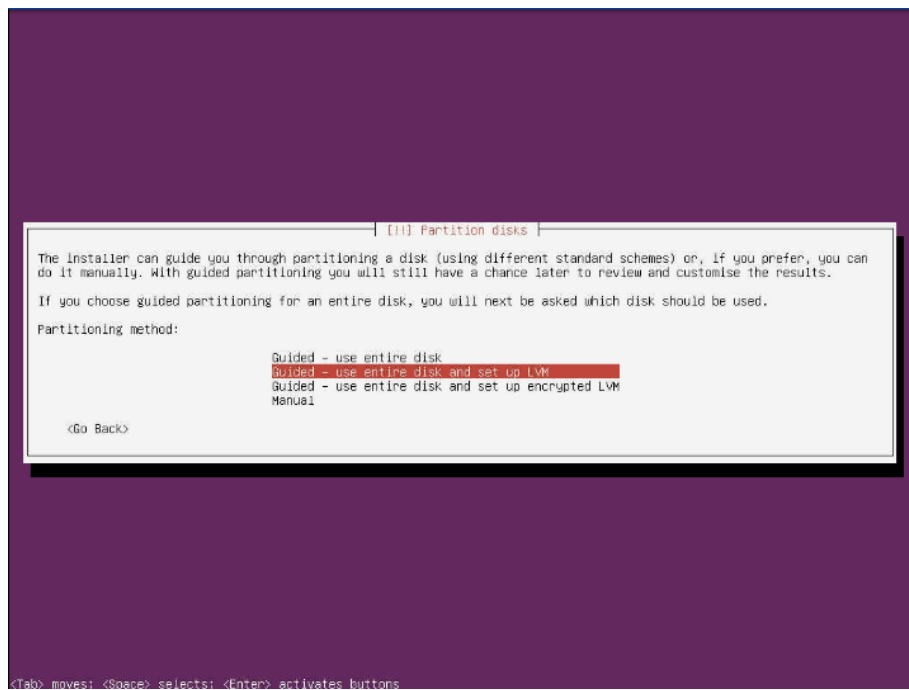
- If the password you set is too weak, then the installation will warn you by showing below message on the screen.



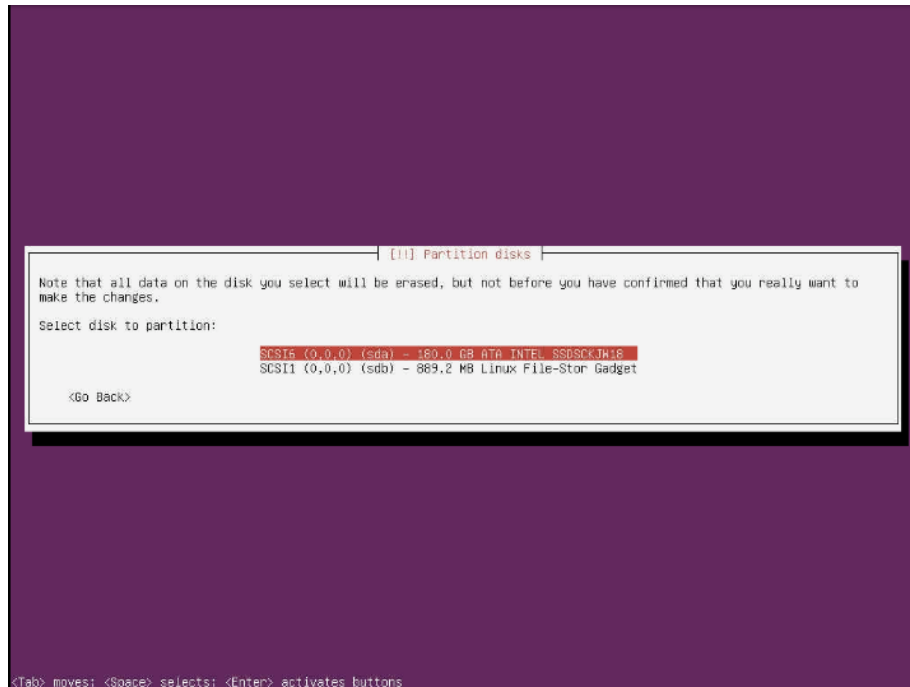
## 10. Configure the clock



## 11. Choose partition disks



## 12. Choose a disk device

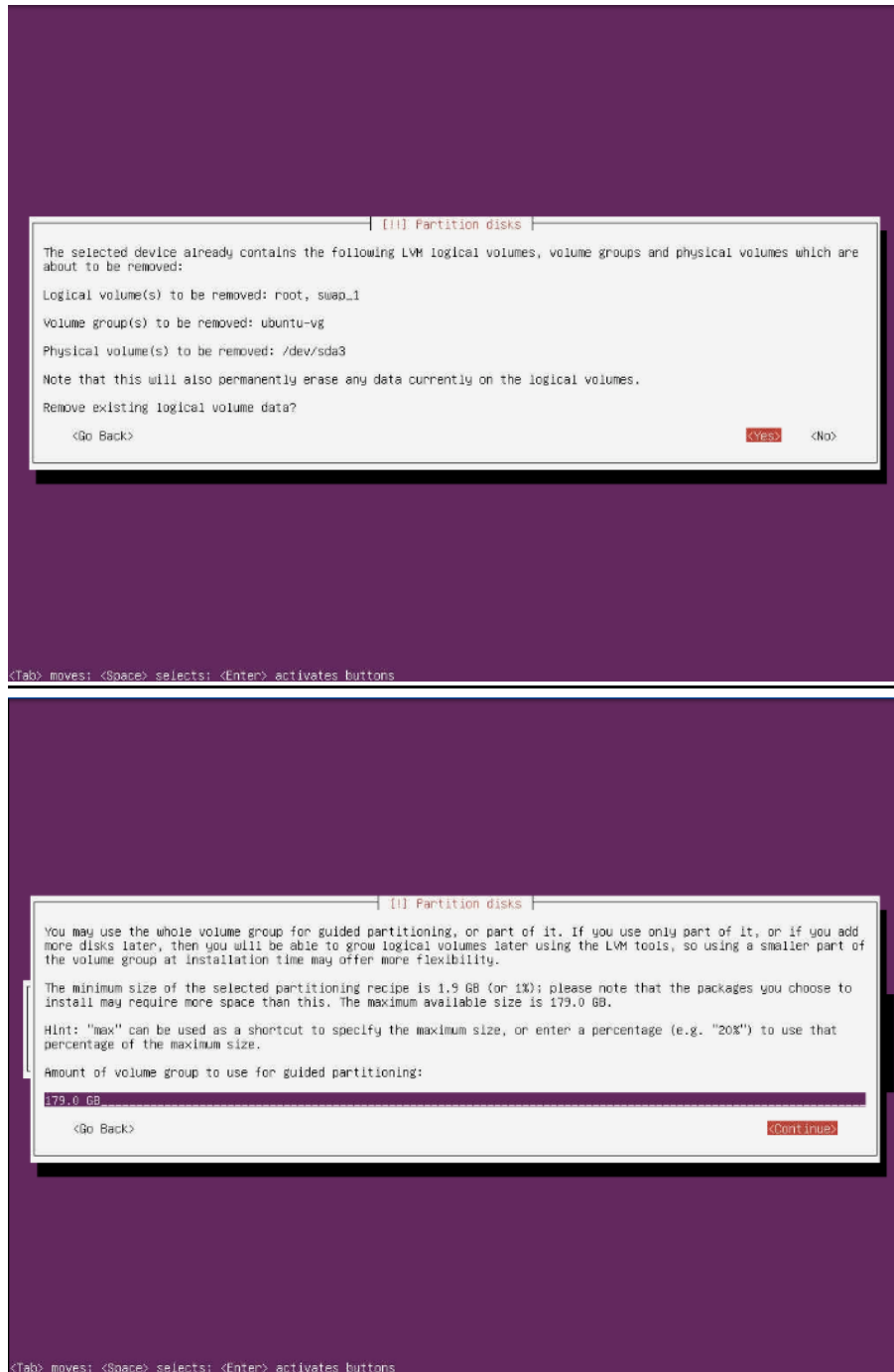


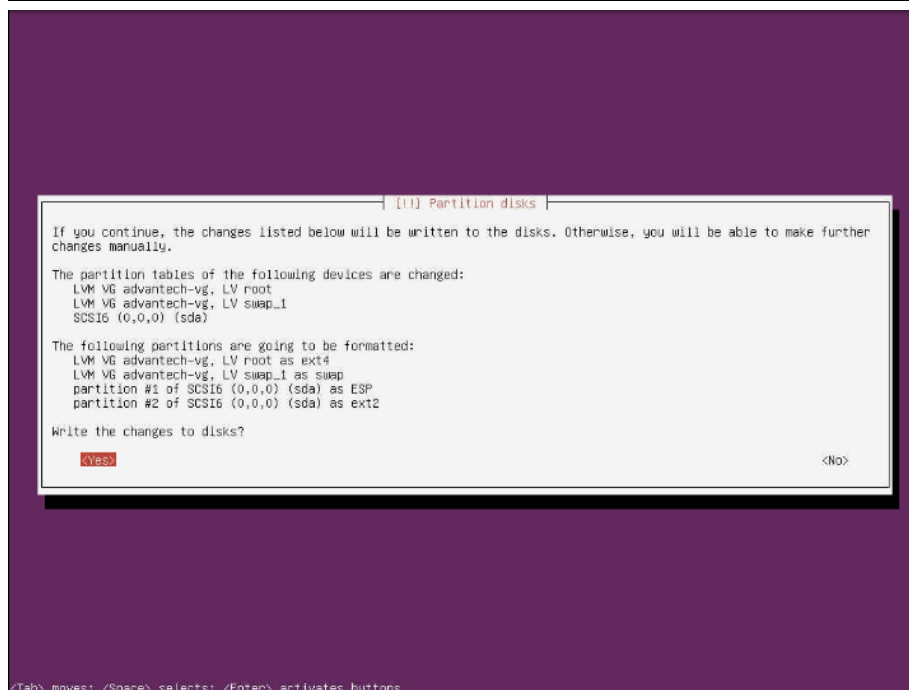
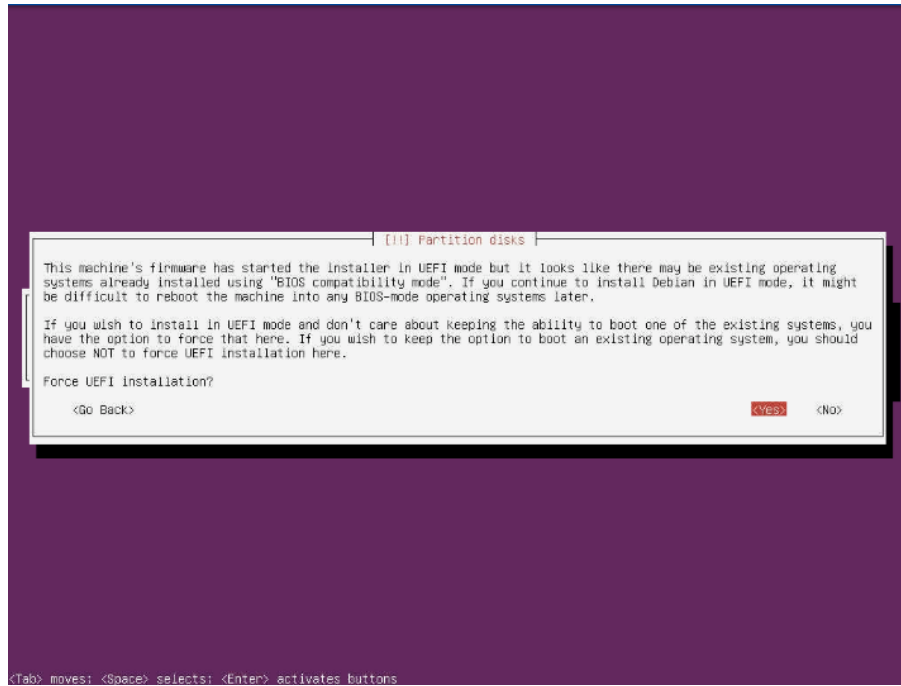
## 13. Confirm disk device





## 14. Confirm partition





## 15. Configure the package manager

[1] Configure the package manager

If you need to use a HTTP proxy to access the outside world, enter the proxy information here. Otherwise, leave this blank.

The proxy information should be given in the standard form of "http://[user][:pass]@host[:port]/".

HTTP proxy information (blank for none):

Go Back
Continue

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

[1] Configuring taskset1

Applying updates on a frequent basis is an important part of keeping your system secure.

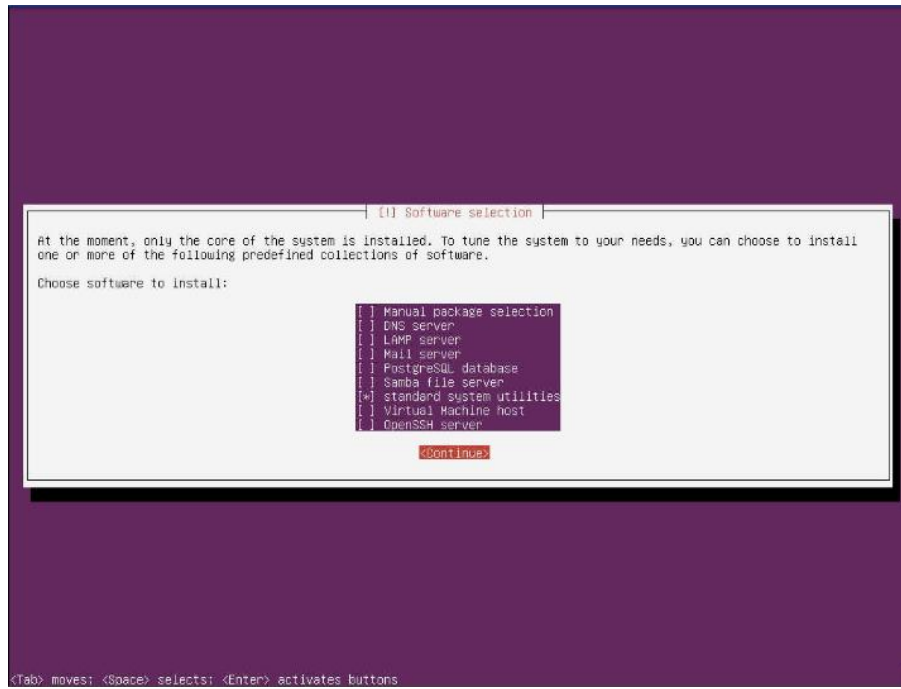
By default, updates need to be applied manually using package management tools. Alternatively, you can choose to have this system automatically download and install security updates, or you can choose to manage this system over the web as part of a group of systems using Canonical's Landscape service.

How do you want to manage upgrades on this system?

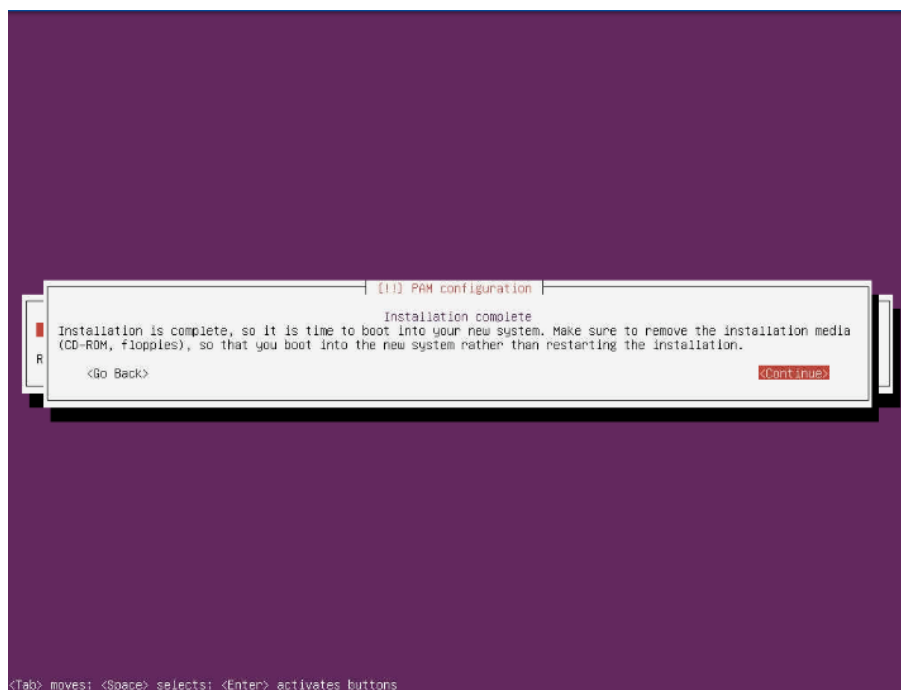
No automatic updates
Install security updates automatically
Manage system with Landscape

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

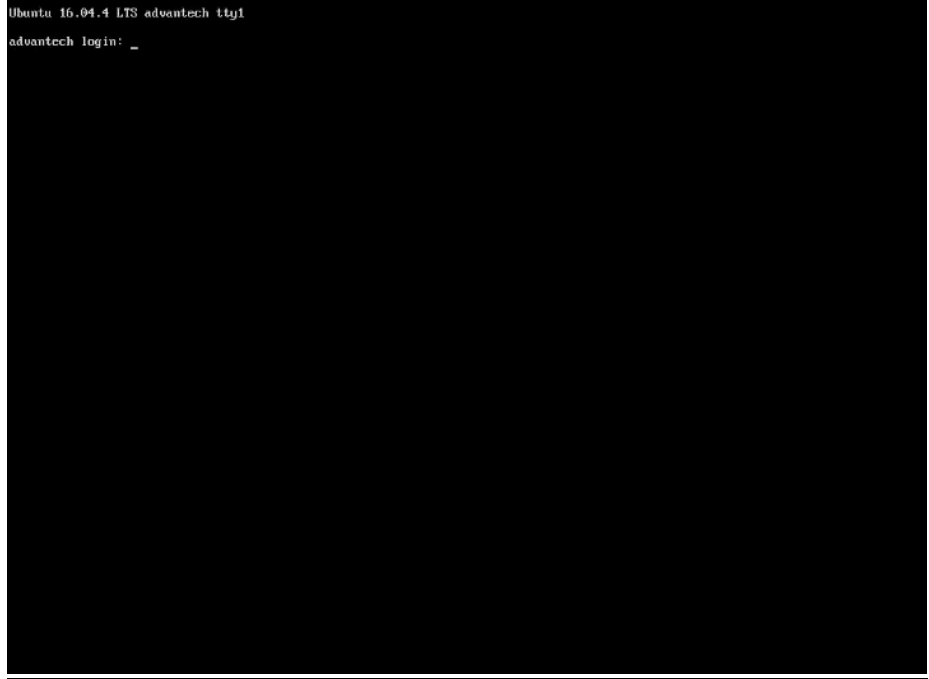
## 16. Choose software to install



## 17. Installation complete



18. First time log-in screen after the system reboot.



```
Ubuntu 16.04.4 LTS advantech tty1
advantech login: _
```