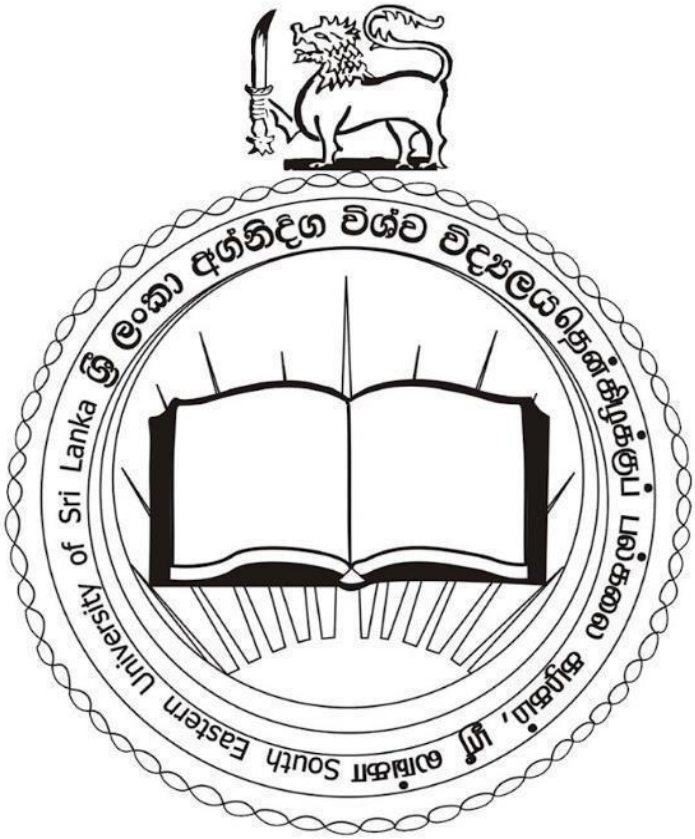


CIS 11042 – Practical for Essential of ICT and PC Applications

Information And Communication Technology

Faculty of Technology South

Eastern University of Sri Lanka

Reg. Number: SEU/IS/22/ICT/075

Academic Year: 22/23

Practical Number: Lab Sheet 19

Title: Installation of different Operating Systems (Ubuntu 20.04 LTS) using virtual machine

Aims:

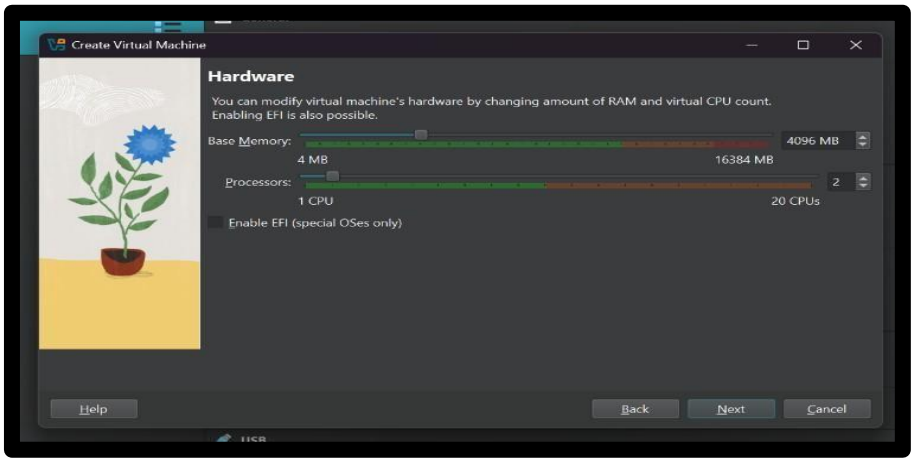
- Getting practice to install Ubuntu 20.04 LTS and working with Ubuntu

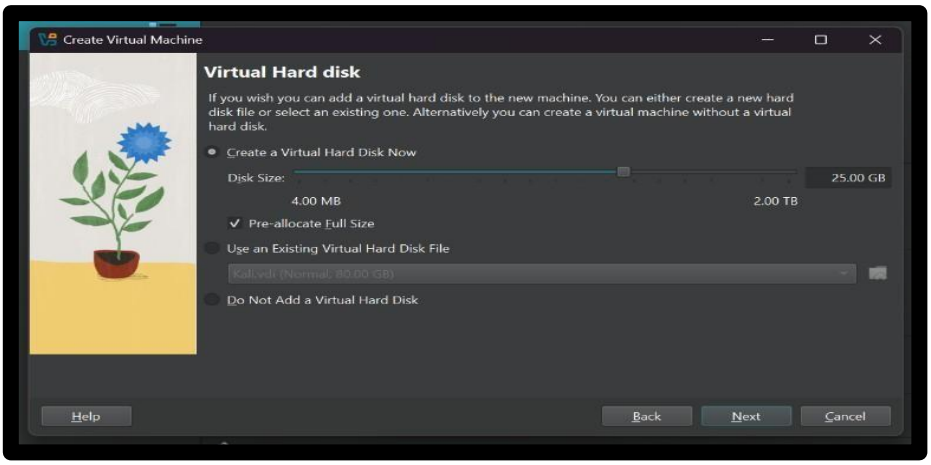
Tasks:

1. Create a new virtual machine to install Ubuntu 20.04 LTS.
2. Install Ubuntu 20.04 LTS as a guest operating system on the host PC.

Exercise:

1. Open VirtualBox application → click on New→ Enter a virtual machine os name and select the OS type as "Linux" and version as "Ubuntu (64-bit)"Next → Set RAM to "4096 MB" → Next → Choose "Create a virtual hard disk now" → Create → Select VDI (VirtualBox Disk Image) → Next → Choose "Dynamically allocated" → Click Next → Set disk size to 25 GB → Create

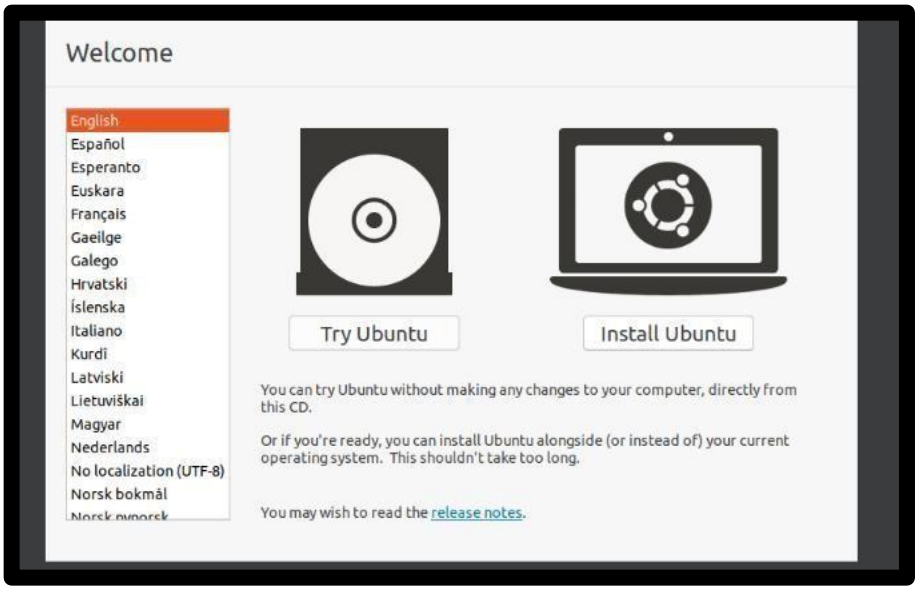


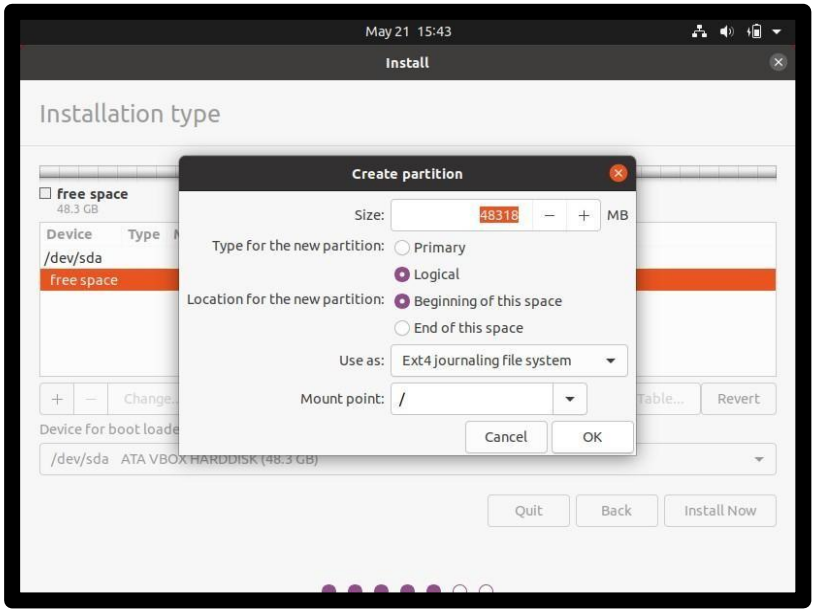


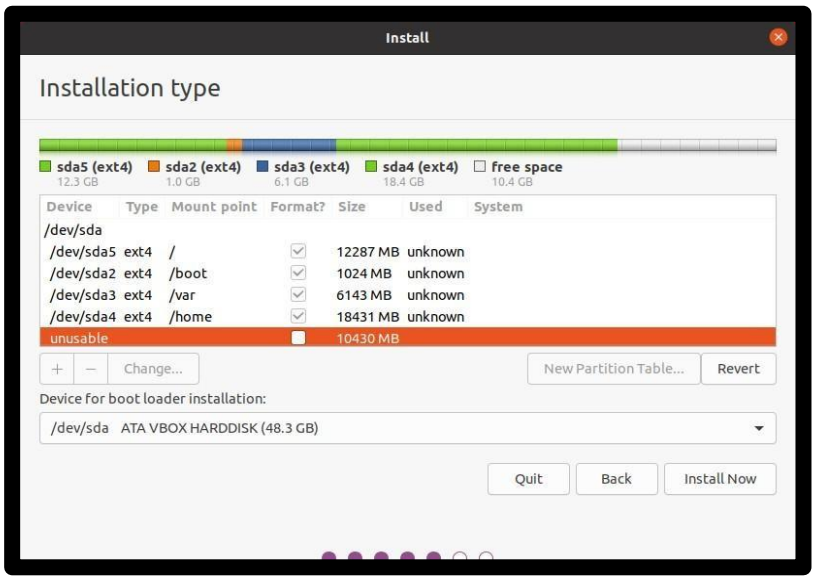
2. Start → Install Ubuntu → Continue → Set keyboard layout as “English (US)” → Continue
→ Selected “Normal installation”, ticked both options → Continue → Something else → Continue

Partitioned disk as follows:
2048 MB for swap (use as: swap area) → 12288 MB for “/” → 1024 MB for “/boot” → 6144 MB for “/var” → 18432 MB for “/home” (all as Ext4)

Install Now→ Confirmed changes → Set time zone as “Colombo” →Continue → Enter username and password → Continue → System restarted after installation


Welcome
English
Español
Esperanto
Euskara
Français
Gaeilge
Galego
Hrvatski
Íslenska
Italiano
Kurdî
Latviski
Lietuviškai
Magyar
Nederlands
No localization (UTF-8)
Norsk bokmål
Try Ubuntu
Install Ubuntu
You can try Ubuntu without making any changes to your computer, directly from this CD.
Or if you're ready, you can install Ubuntu alongside (or instead of) your current operating system. This shouldn't take too long.
You may wish to read the release notes.


May 21 15:43
Install
Installation type
free space
48.3 GB
Device
Type
/dev/sda
free space
Create partition
Size:
48318
MB
Type for the new partition:
Primary
Logical
Location for the new partition:
Beginning of this space
End of this space
Use as:
Ext4 journaling file system
Mount point:
/
Cancel
OK
Revert
Quit
Back
Install Now



3. /- The main root folder where everything starts.

- /bin - Important programs you can run, like commands.
- /boot - Files needed to start (boot) the computer.
- /etc - Configuration files to set up the system.
- /var - Files that change a lot, like logs and emails.
- /swap - Space on the hard drive used like extra memory (RAM).

Discussion:

- Creating bootable USB in Ubuntu To make a bootable USB in Ubuntu:
    1. Plug in a USB drive.
    2. Open **Startup Disk Creator**.
    3. Download and select the Ubuntu ISO file.
    4. Click on **"Make Startup Disk"**.

- Ubuntu Desktop/Client and Ubuntu Server

- **Ubuntu Desktop :**
  Ubuntu desktop have a desktop environment like kde ,xfce but difficultly it comes with gnome.

- **Ubuntu Server:**
  No graphical interface. It's used for running websites, servers, and services. It's lighter and more powerful for server tasks.