



De La Salle University
Computer Technology Department

Introduction to Computing

Laboratory Activity #01: OS Virtual Install

Group Number	12	Section	S19
Members	Austin gan	Date Performed	2/9/23
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Introduction

Your task is to install an operating system on a computer. Ubuntu is the Operating System of choice. Instead of a physical computer, a Virtual Machine will be used instead. VirtualBox will be used as the Virtual Machine software.

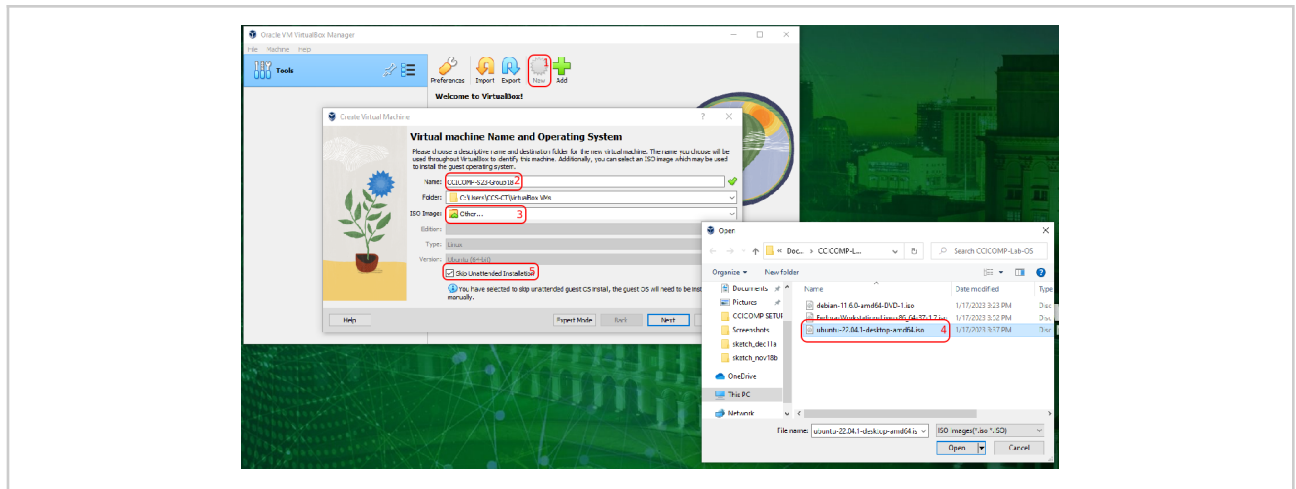
Follow the procedures as instructed and provide the necessary information that is being asked.

Procedures:

1. *If not yet installed*, Install VirtualBox

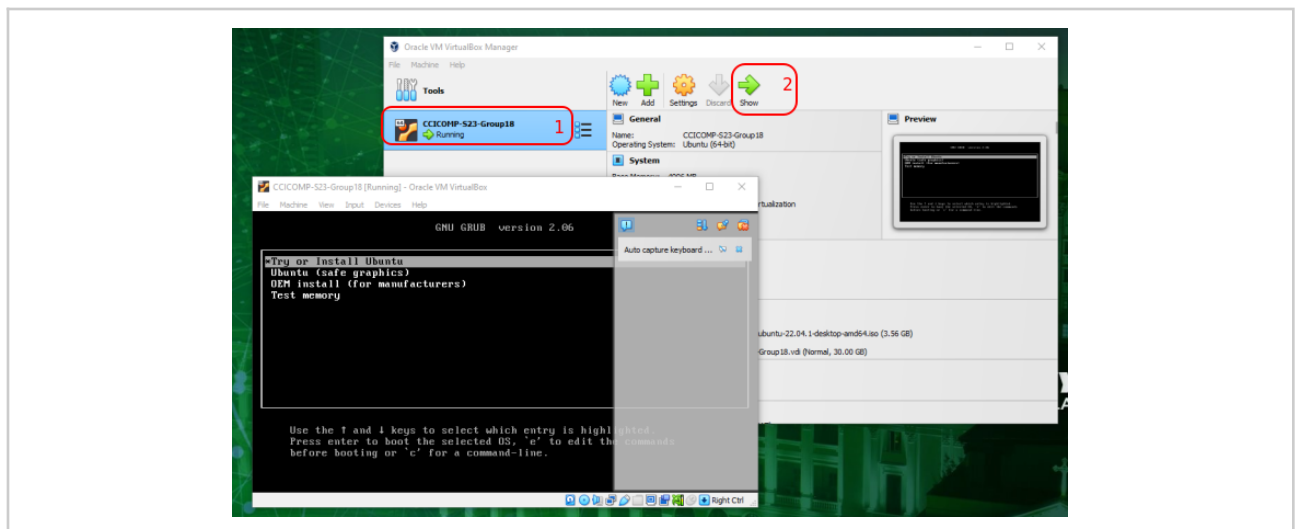
- VirtualBox can be downloaded from its official website <https://www.virtualbox.org/>
- Download the installer
- Run and follow the instructions on the installer.

2. Create a Virtual Machine (5 pts.)



- Click New
- The name of the virtual machine should be CCICOMP-<Section>-<GroupNumber>
- Select the pre-downloaded Ubuntu operating system installer image located in the CCICOMP-Lab-OS/ folder under Documents/ folder. Note: that you can also download the ubuntu file yourself from the official website <https://ubuntu.com/>
- Tick the Skip Unattended Installation checkbox
- Allocate 4096MB Base Memory and 4CPUs

3. Open the Virtual Machine



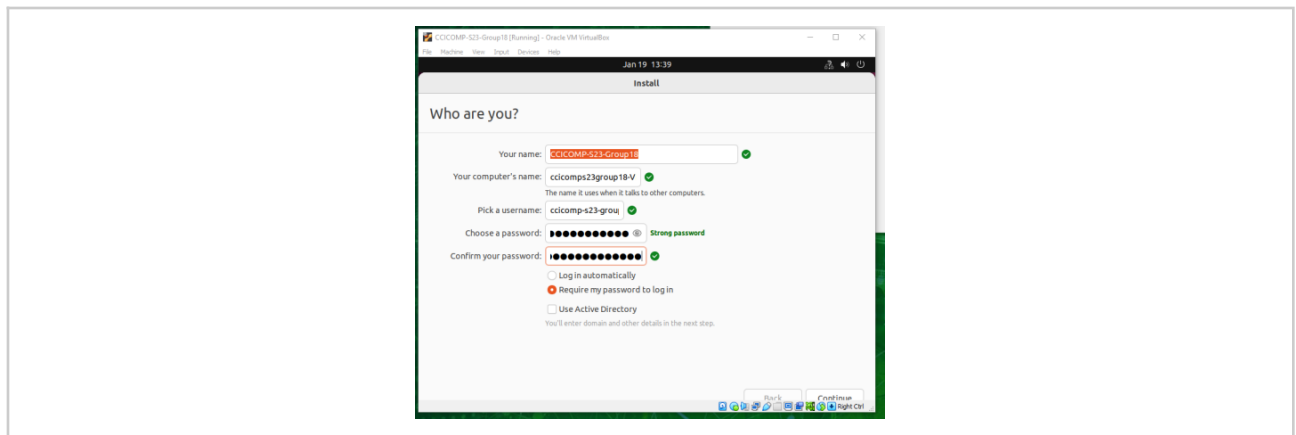
- Select your virtual machine
- Click on start
- A window will appear displaying your virtual machine

4. Install Ubuntu on the Virtual Machine

Select the following options in the installation

- Keyboard Layout: Filipino
- Select Minimal Installation
- Installation Type: Erase Disk and Install Ubuntu
- Location: Manila

5. Configure User Account



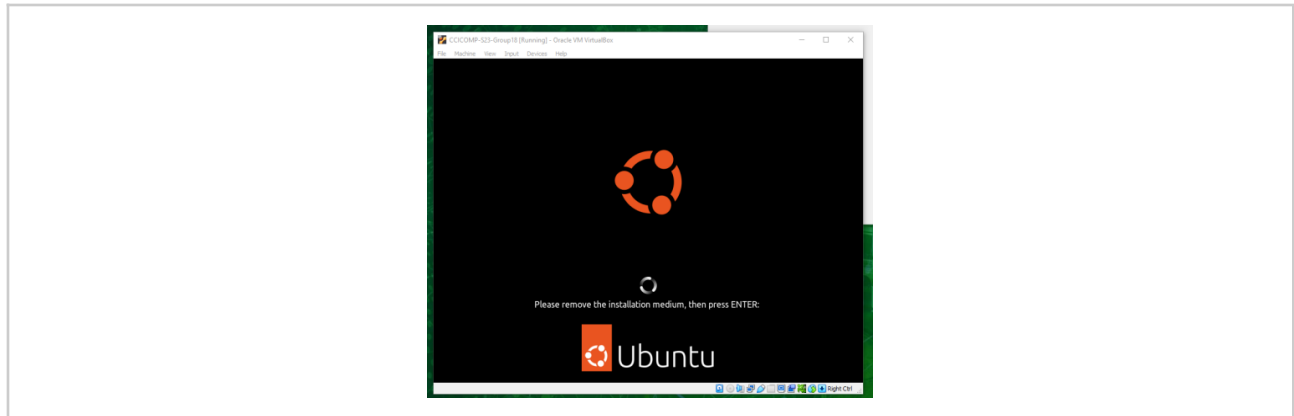
- Your name: CCICOMP-<Section>-<GroupNumber>
- Computer's name: will be automatically generated
- Username: will be automatically generated
- Password: CCICOMP-<Section>-<GroupNumber>

6. Research Ubuntu Linux (10 pts.)

- While the installation is loading, research the Ubuntu Operating System
- Explore the Ubuntu OS. Enumerate some of the differences observed between Windows and Ubuntu

	Ubuntu	Windows
Web Browser	Firefox	Microsoft edge
Games	Sudoku	Solitaire
Office Suite	LibreOffice	Microsoft office
Folders / Sub-Folders	Files	Windows explorer
Desktop Environment(s)	Gnome, cinnamon	Windows

7. Finish the Installation

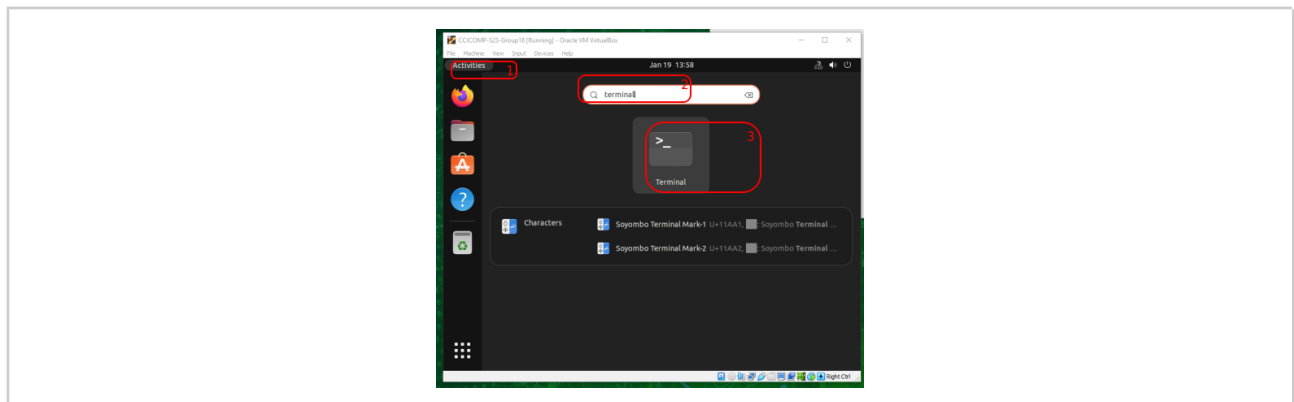


- When asked to restart power off the virtual machine instead.

8. Boot Ubuntu

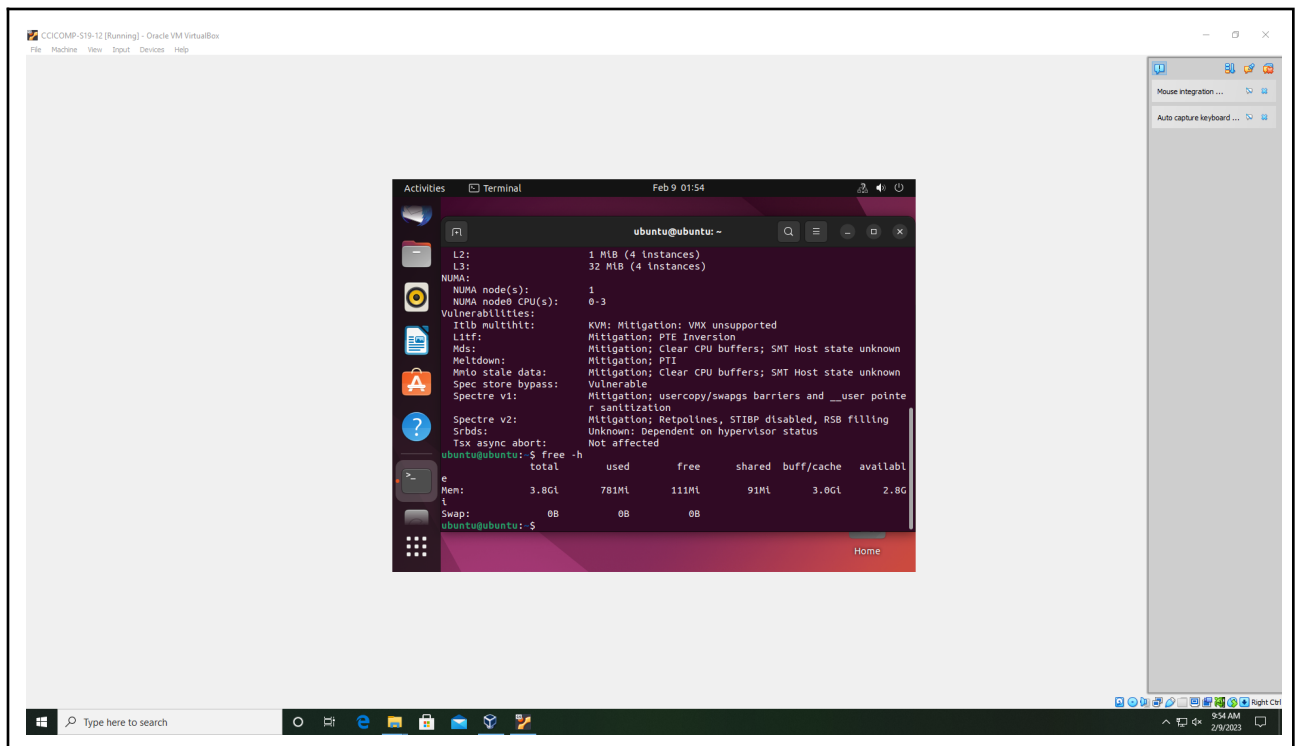
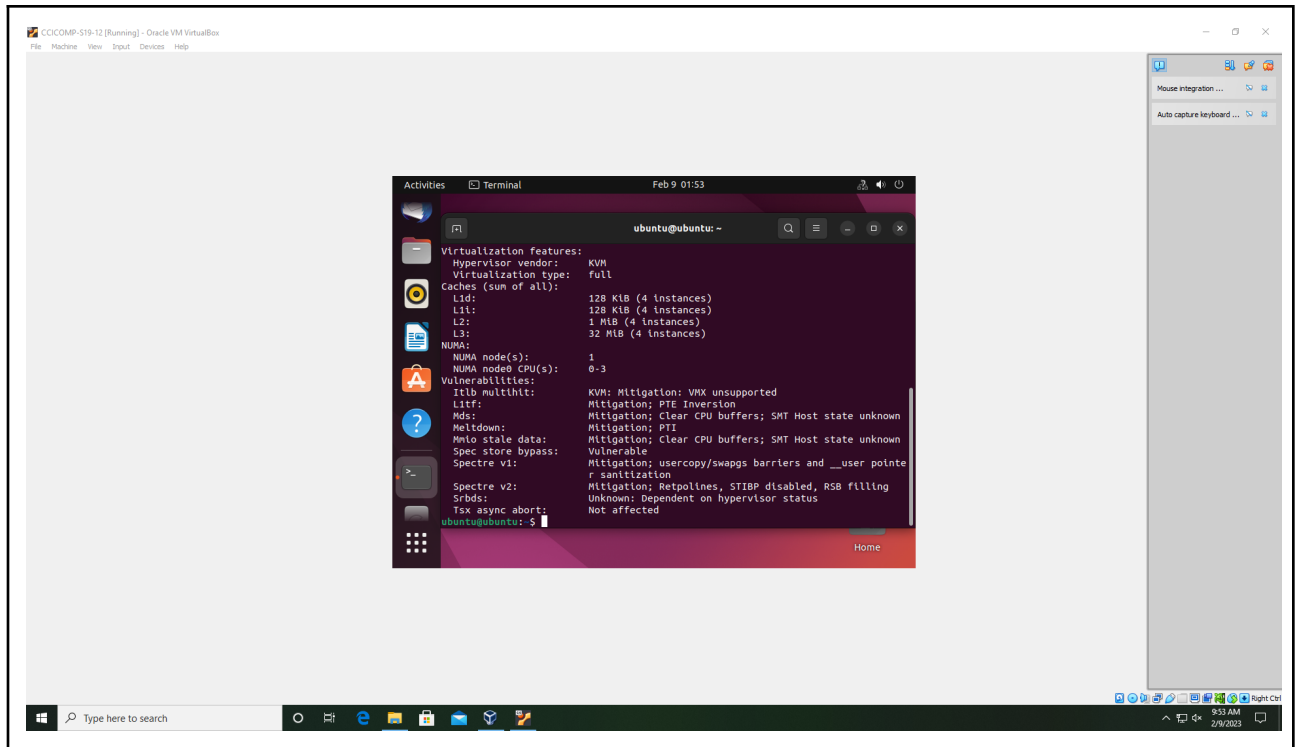
- On VirtualBox Window
- Select your virtual machine
- Press start

9. Test Ubuntu

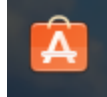


- Open the terminal
- Click activities
- Type terminal
- Open the terminal
- Run the **lscpu** command, screenshot the output and place the image below
- Run the **free -h** command, screenshot the output and place the image below

Screenshots (5 pts.)



10. Explore Applications in Ubuntu



- Open the Ubuntu Software
- List and describe 3 applications from each category (15 pts.)

Category	Application	Description
Productivity	LibreOffice writer	For word document/ creating docs
	LibreOffice Calc	For sheets/ book keeping
	LibreOffice Impress	For creating presentation
Development	Terminal	For inputting commands
	Text editor	For typing code
	Notepad++	For typing code
Entertainment	AisleRiot Solitaire	Card game
	Mahjongg	Chinese base tile game
	Minesweeper	Logic puzzle game
Utility	Advanced network configuration	For network configuration
	Image viewer	For reviewing images
	Disk usage analyzer	For checking storage usage

11. Write your reflection about the activity (5 pts.)

We enjoyed playing with the virtual machine as this was the first time we all used this application. Though, we panicked during installing the software, since we had problems with running Ubuntu on a virtual machine. We are really fascinated that it is possible to run a computer inside a computer. Since all of us have never used Linux OS, we had a hard time using it, but Linux has a cleaner UI than Windows, but in terms of user-friendliness, Windows has the upper hand as we were so confused on how things work there. On the other hand, Linux barely has any bloatware unlike windows and is fully customizable.

Question/Task Location	Possible Points	Earned Points
Create Virtual Machine	5	
Research Ubuntu Linux	10	
Screen Shots	5	
Explore Applications in Ubuntu	15	
Reflection	5	
Total	40	