

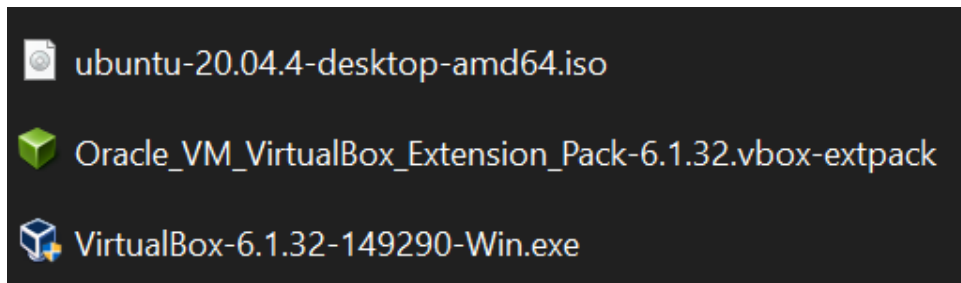
Lab Preparation

Lee Hao Zhi

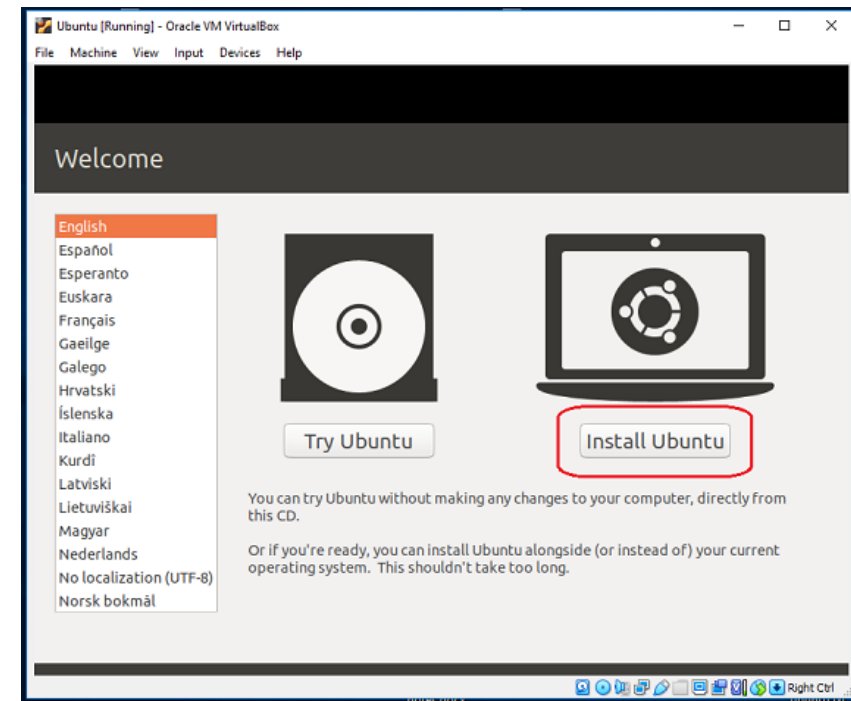
Step 1: Install VirtualBox and Ubuntu

- <https://www.c-sharpcorner.com/article/how-to-install-ubuntu-on-windows-10-using-virtualbox/>

Download the following 3 files



When installing Ubuntu, please select 'English'



Installation Complete

Oracle VM VirtualBox Manager

FileMachineHelp

Tools

NewSettingsDiscardStart

default

Powered Off

Ubuntu test

Saved

General

Name: Ubuntu test
Operating System: Ubuntu (64-bit)

System

Base Memory: 1024 MB
Boot Order: Floppy, Optical, Hard Disk
Acceleration: VT-x/AMD-V, Nested Paging, KVM Paravirtualization

Display

Video Memory: 64 MB
Graphics Controller: VM5VGA
Remote Desktop Server: Disabled
Recording: Disabled

Storage

Controller: IDE
IDE Secondary Device 0: [Optical Drive] Empty
Controller: SATA
SATA Port 0: Ubuntu test.vdi (Normal, 10.00 GB)

Audio

Host Driver: Windows DirectSound
Controller: ICH AC97

Network

Adapter 1: Intel PRO/1000 MT Desktop (NAT)

USB

USB Controller: OHCI, EHCI
Device Filters: 0 (0 active)

Shared folders

Shared Folders: 1

Description

None

Preview

Ubuntu test [Running] - Oracle VM VirtualBox

FileMachineViewInputDevicesHelp

Activities

16 11:17

zhi

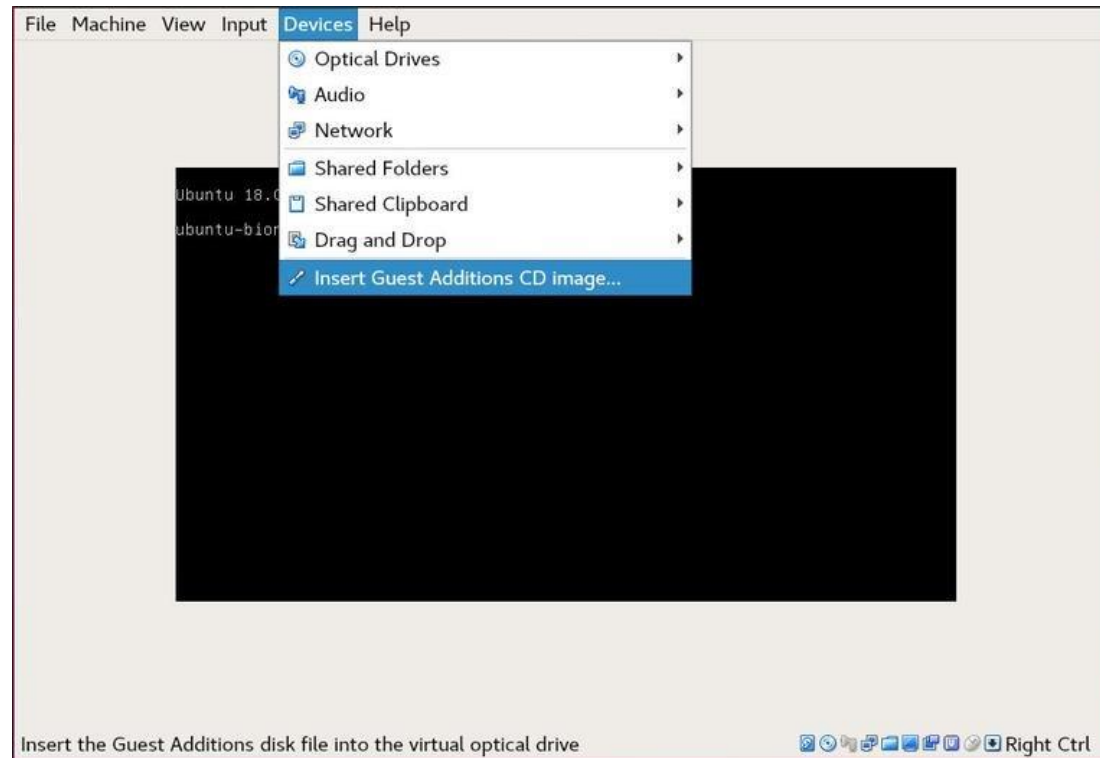
Trash

ssd_fuse

Shift

Step 2: Install Guest Additions

- <https://linuxize.com/post/how-to-install-virtualbox-guest-additions-in-ubuntu/>



Step 3: Configure shared folders

- <https://www.howtogeek.com/187703/how-to-access-folders-on-your-host-machine-from-an-ubuntu-virtual-machine-in-virtualbox/>

Step 4: Install packages

- apt-cache search fuse
- sudo apt-get update
- sudo apt-get install fuse3
- sudo apt-get install libfuse3-dev
- sudo apt-get install pkg-config
- sudo apt-get install libopencv-dev

Step 5: Grouping

- Form a group of 4 students (by 5/4)



<https://docs.google.com/spreadsheets/d/1n63uOx266j7DIyaaBsQIp59YoSdRnzWn8J-6a9cyvPw/edit?usp=sharing>

Q&A

- Contact mentors for Q&A
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THANK YOU!
