



Philippine Christian University

Sampaloc I, Dasmariñas, Cavite

<https://dasma.pcu.edu.ph>



RUBRIC: Virtual Machine Setup (Ubuntu Desktop)

Activity: Create, Configure, and Install Ubuntu Desktop on a Virtual Machine

Total Points: 100

Criteria	Excellent (100%)	Proficient (75%)	Developing (50%)	Incomplete (0%)	Score
VM Type & Version (10 pts)	Correctly selects Ubuntu (64-bit) as the OS type and version. Matches the downloaded ISO architecture.	Selects correct type but wrong version (e.g., 32-bit instead of 64-bit) — VM still works.	Selects wrong OS type entirely (e.g., "Other Linux") — needs correction.	Fails to select any valid OS type; cannot proceed.	/10
Memory (RAM) Allocation (15 pts)	Allocates 4-8GB RAM as required. Understands the host system limitation.	Allocates 3GB — 3.5GB (sufficient but slightly below requirement).	Allocates 2GB or less — causes severe lag or installation failure.	Allocates no RAM or invalid value.	/15
Processor (CPU) Allocation (15 pts)	Allocates 4 CPU cores with 100% execution cap. Enables PAE/NX if available.	Allocates 2 cores but does not adjust execution cap or nested VT x settings.	Allocates only 1 core — installation takes extremely long.	Fails to configure processor settings.	/15
Hard Drive (Storage) Setup (20 pts)	Allocates 100 GB dynamically allocated storage (or fixed). Created a partitioning in drive.	Allocates 25GB but chooses wrong disk format (e.g., VHD) — still functional.	Allocates less than 20GB — insufficient for installation.	No hard drive created; VM cannot boot.	/20

ISO Attachmen t & Boot Order (15 pts)	Correctly attaches the Ubuntu Desktop ISO to the optical drive. Sets boot	Attaches ISO but forgets to adjust boot order — manually boots	Attaches ISO but boot order wrong — VM boots to blank screen.	Fails to attach ISO; VM cannot install.	/15
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	order: Optical → Hard Disk .	via "Force BIOS" first time.			
Proper Installation Execution (25 pts)	Completes full installation: partitioning ("Erase disk"), user setup, timezone, keyboard. No errors. Reboots successfully into GUI.	Completes installation but makes minor errors (e.g., wrong timezone — fixes later).	Installation starts but fails midway (partitioning error, corrupt ISO, or power loss).	Installation not attempted or aborted.	/25

TOTAL SCORE: ____ / 100
DOCUMENTATION REQUIREMENT

Student Name: Lindsay Marie Ruiz
Date: September 3, 2026
VM Name: Ruiz-VM

1. VM Specifications Summary

Component Allocated Value

VM Type / OS Ubuntu (64-bit)

RAM: 8 GB (8192 MB) CPU Cores: 4

Hard Drive Size: 100 GB (Dynamic / Fixed) Storage Controller SATA / SCSI

Network Adapter NAT / Bridged

ISO File Used: ubuntu-26.04-desktop-amd64

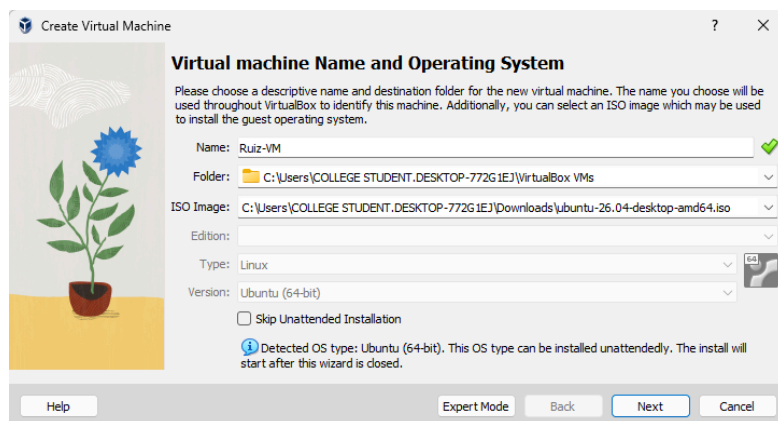
2. Step-by-Step Setup Process

(Describe what you did, in order. Include commands used, if any.)

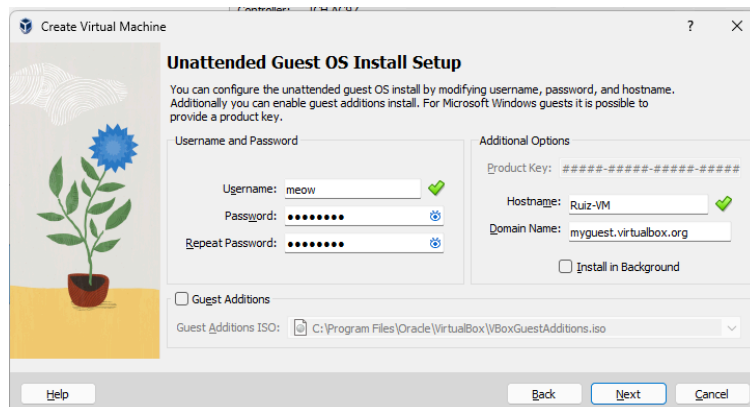
Step 1: Open Oracle VM Virtual Box

Step 2: Once you're on the app, click "New"

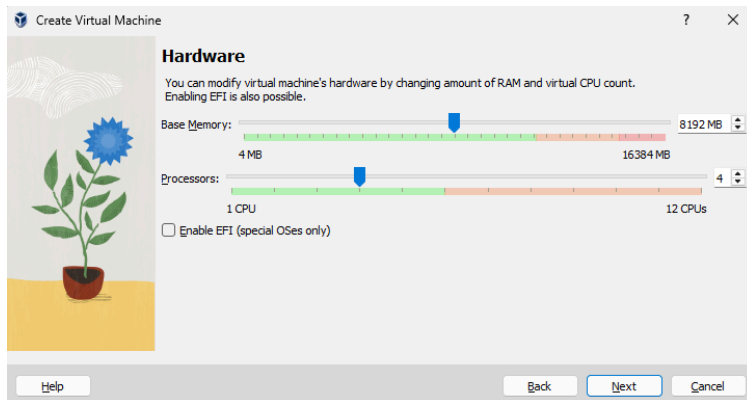
Step 3: Enter VM name and click the dropdown of the ISO Image and choose the one named "ubuntu-26.04-desktop-amd64". Then click next.



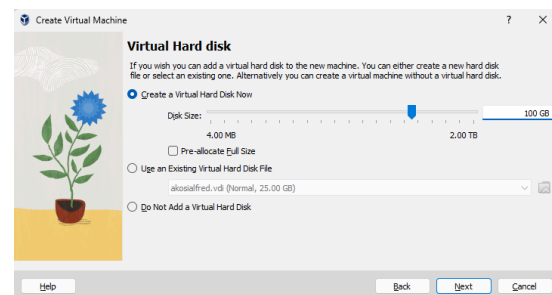
Step 4: Once done, create username and password. Then click next.



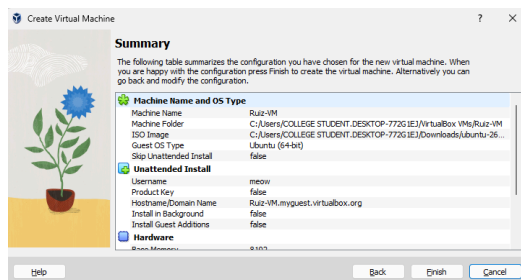
Step 5: Allocate 8192MB Ram and 4 CPU cores. Then click next.



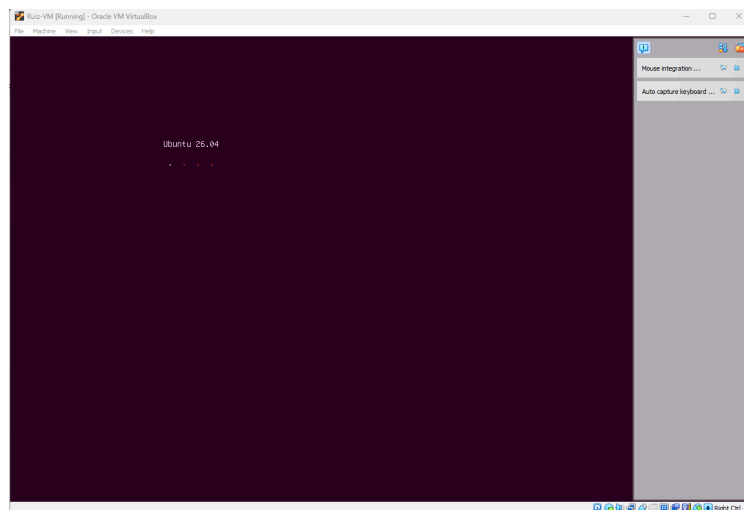
Step 6: Create 100GB Virtual Hard Disk Now. Then next.



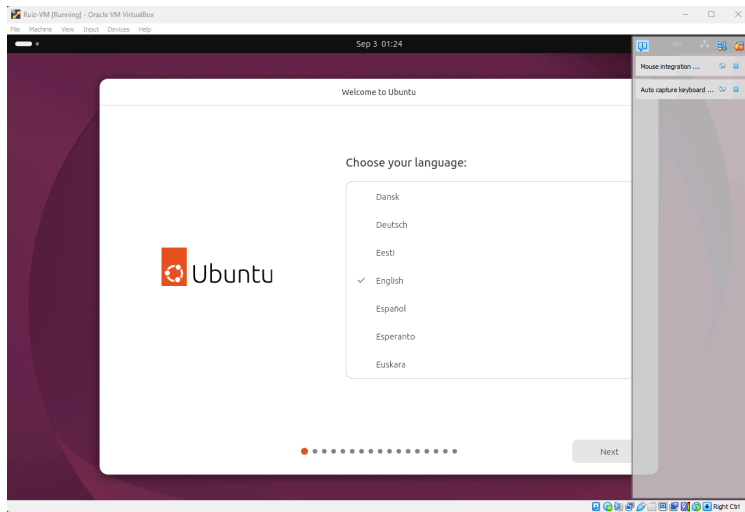
Step 7: Click Finish



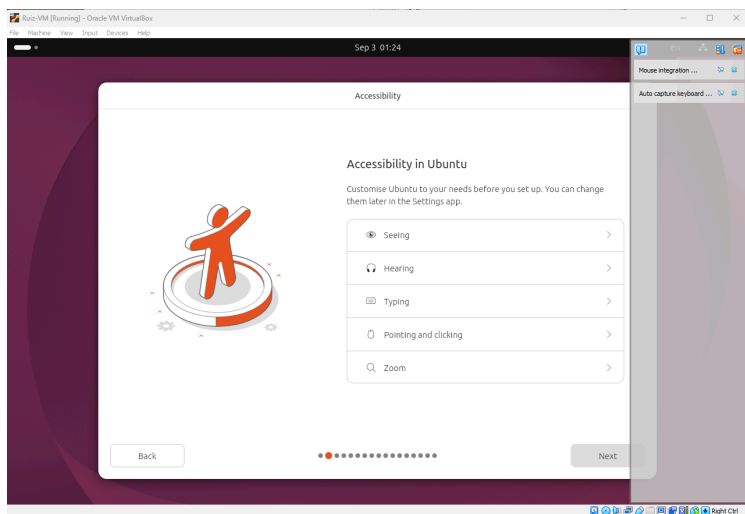
Step 8: Wait for it to finish



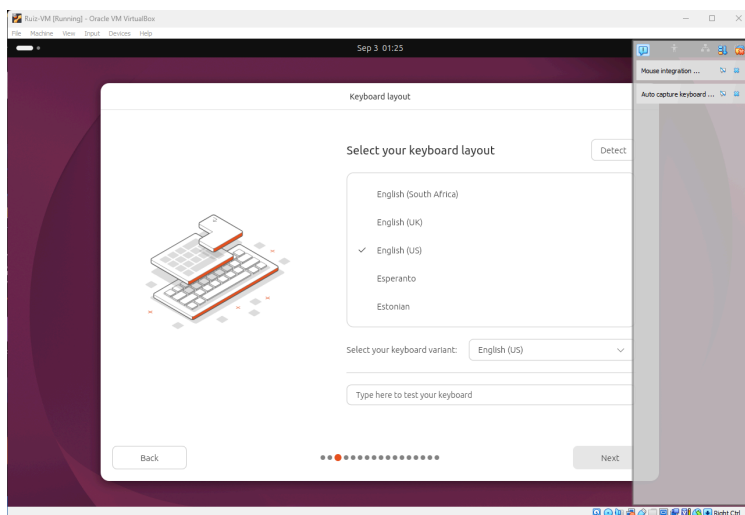
Step 9: Once done, this will show (see image for reference) and select your language, then click next.



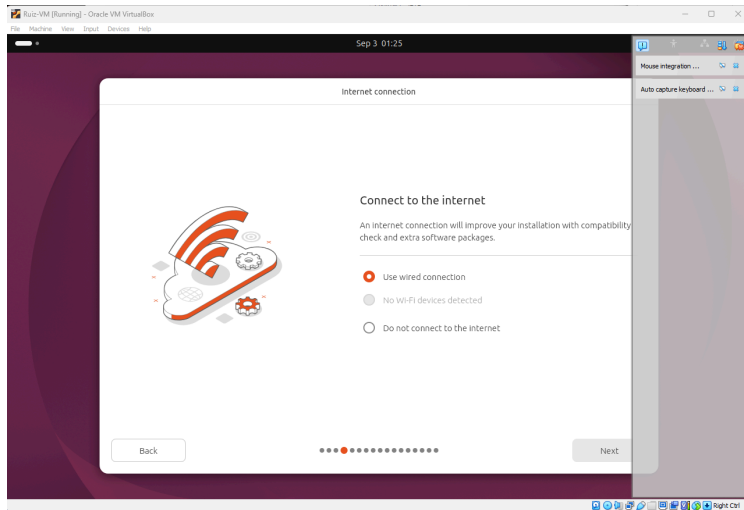
Step 10: Edit your accessibility to your desire, then click next.



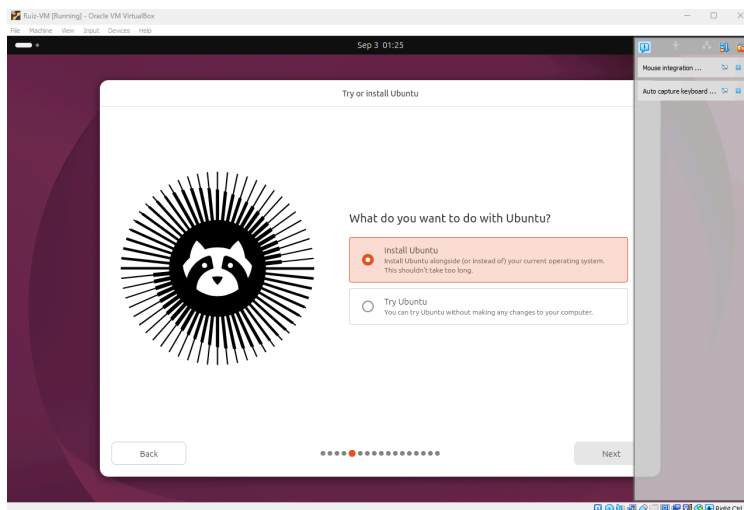
Step 11: Select your keyboard, then click next.



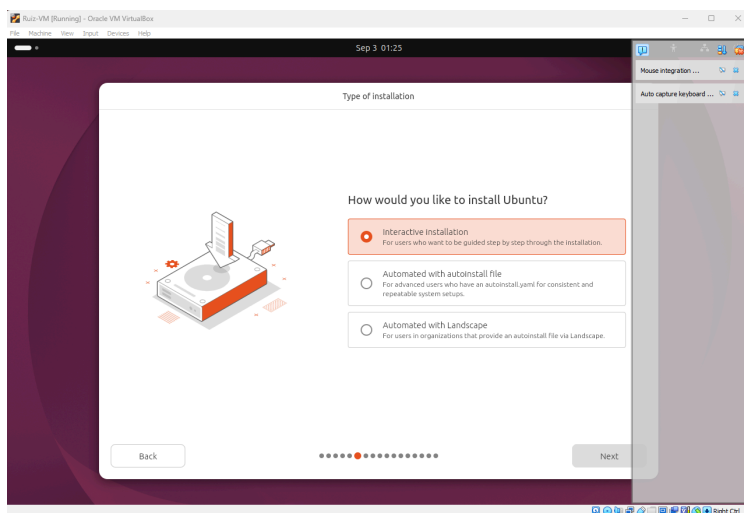
Step 12: Select your internet connection, then click next.



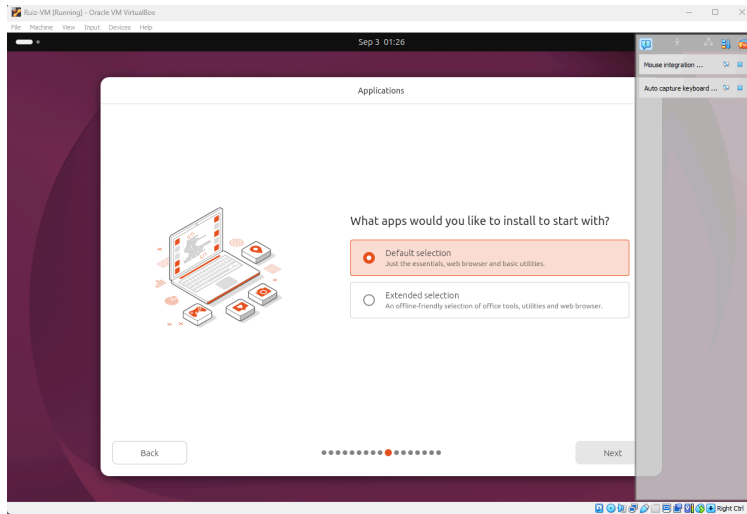
Step 13: Install Ubuntu



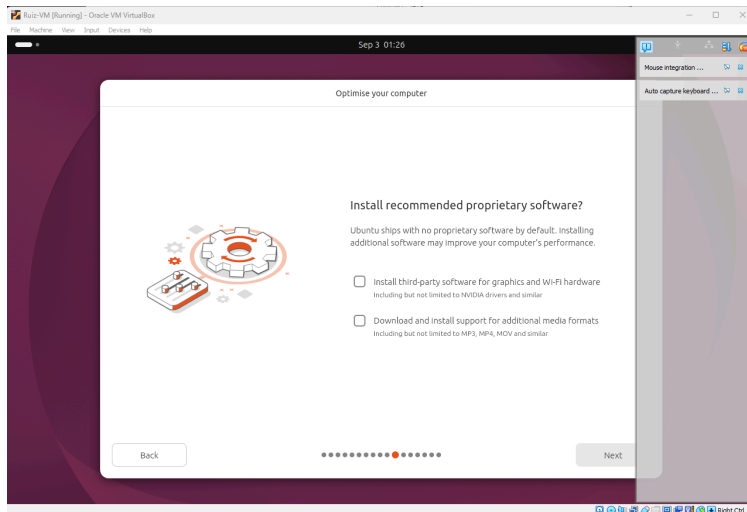
Step 14: Select "Interactive Installation"



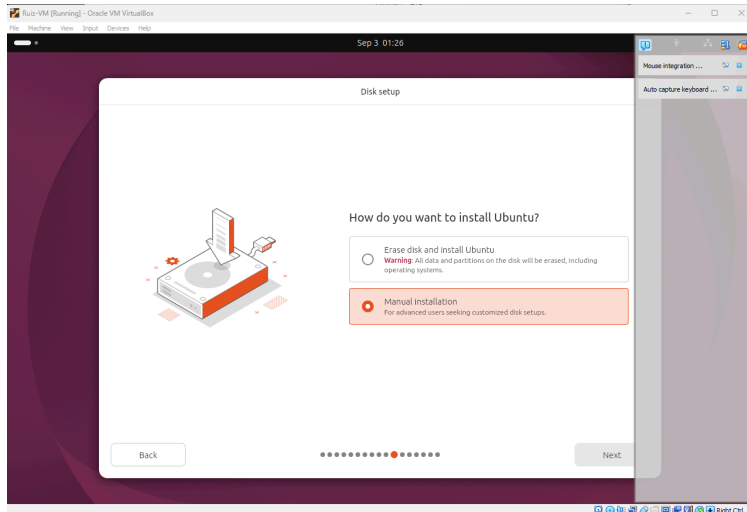
Step 15: Choose “Default Selection”



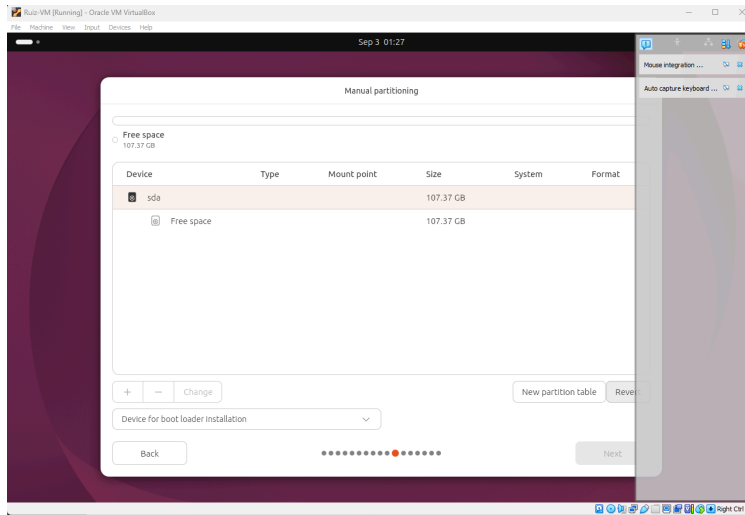
Step 16: Just click next



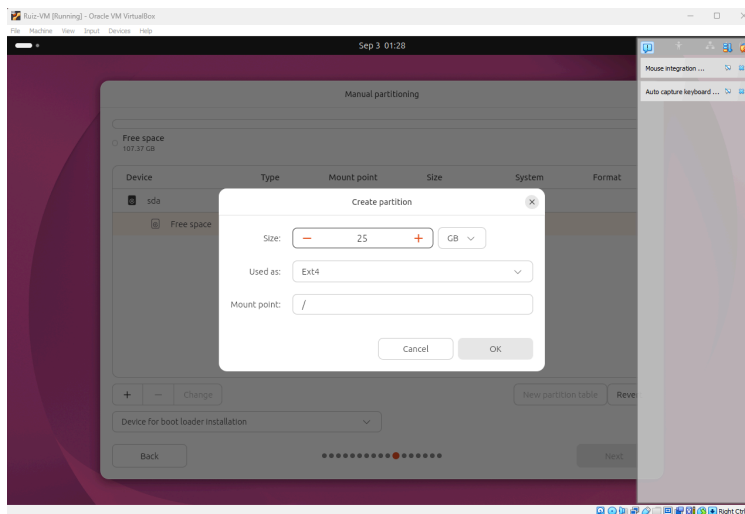
Step 17: Select “Manual Installation”



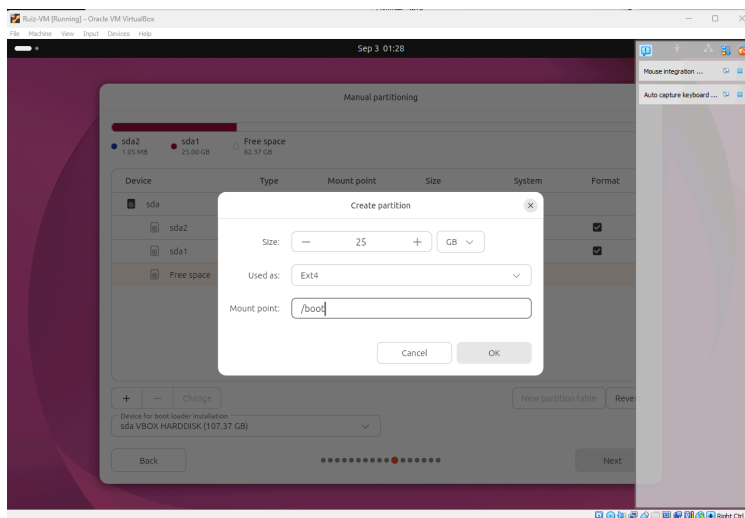
Step 18: Click “Free Space”



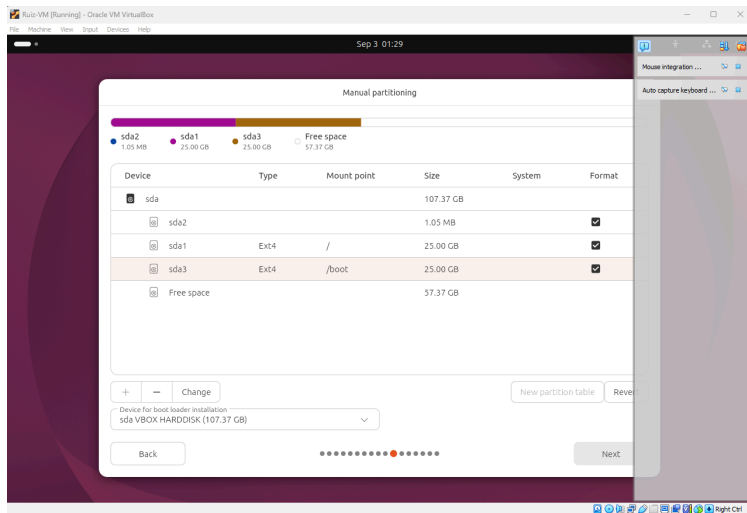
Step 19: Make size into 25 GB and “/” mount point



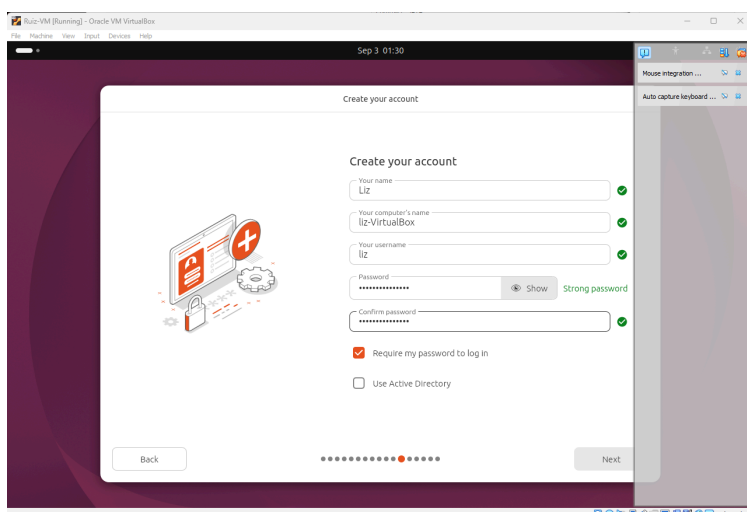
Step 20: Repeat step 18 and 19 but add “/boot” in mount point



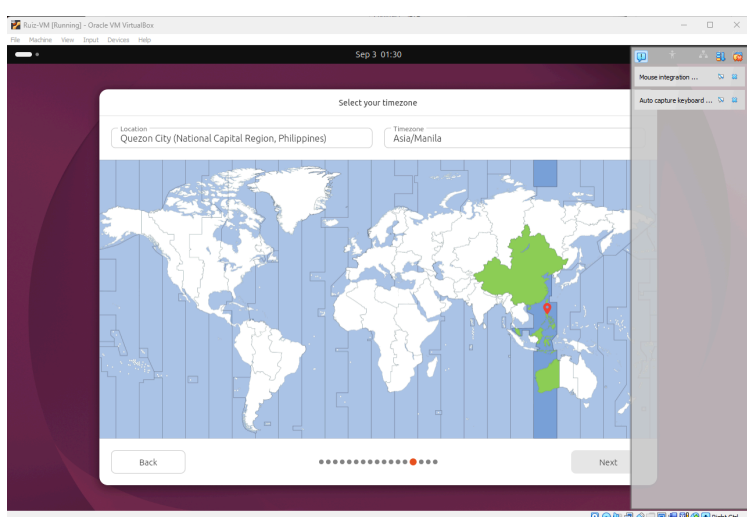
Step 21: Click next



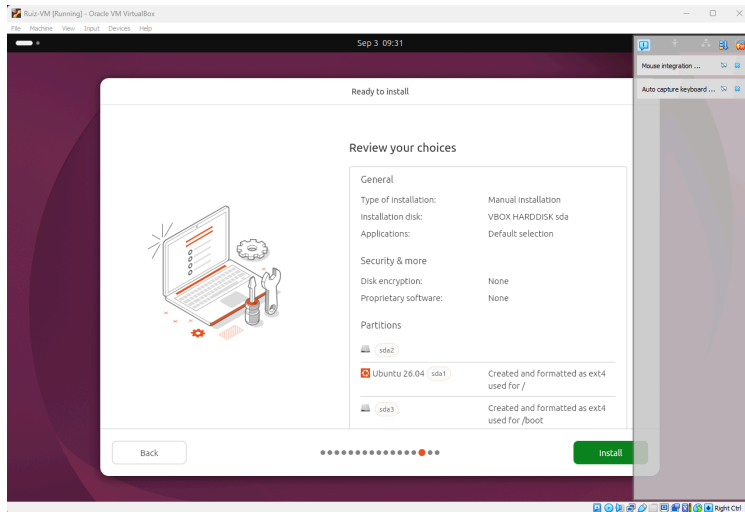
Step 22: Create account



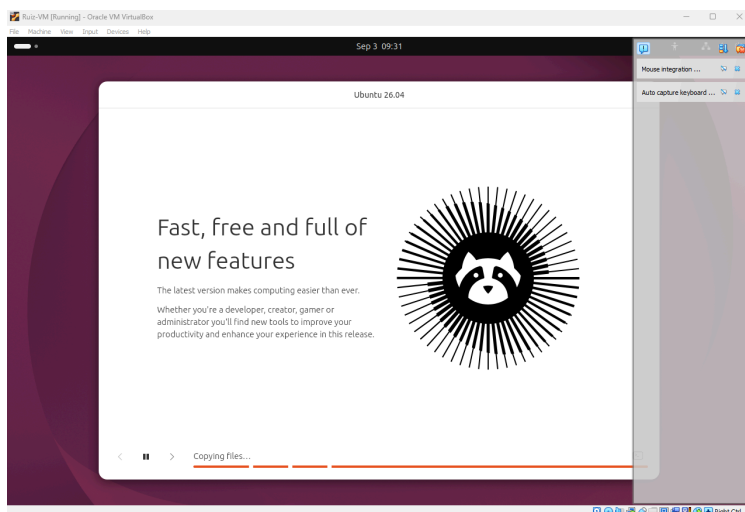
Step 23: Just click next



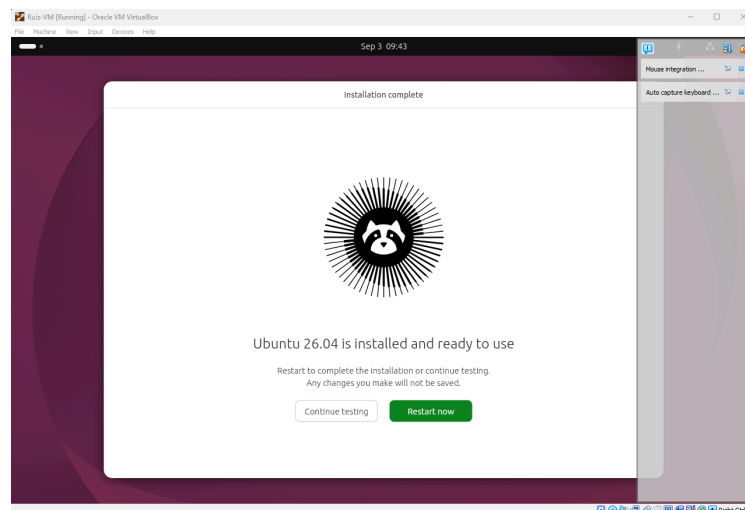
Step 24: Install OS



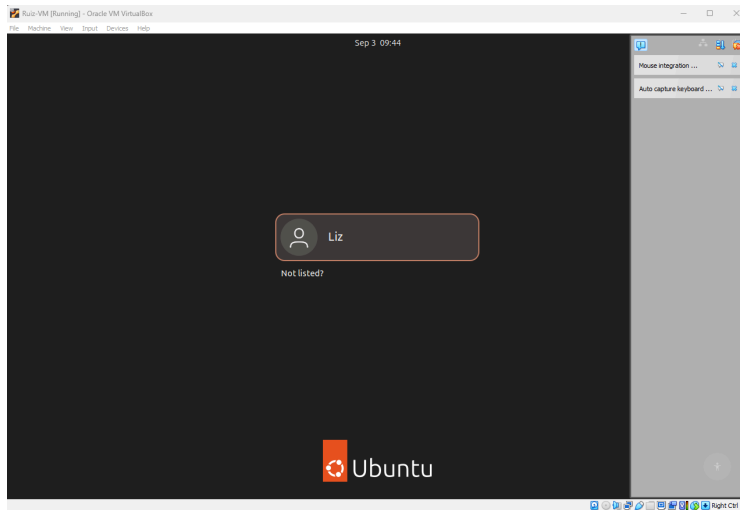
Step 25: Wait to finish installation



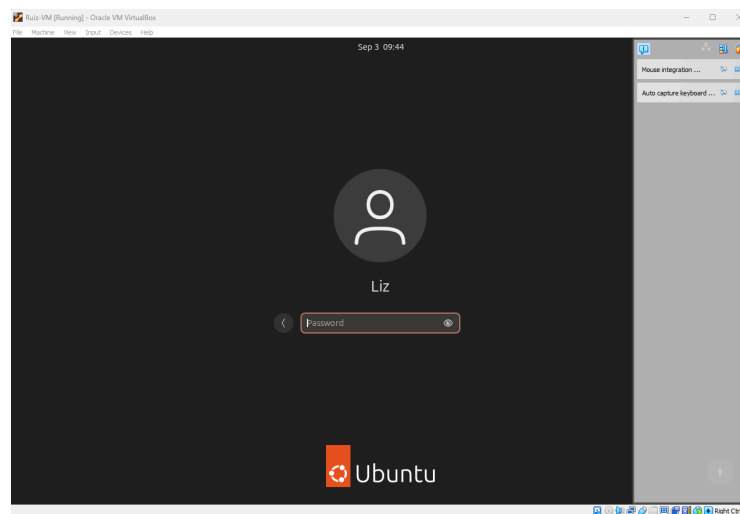
Step 26: Restart VM



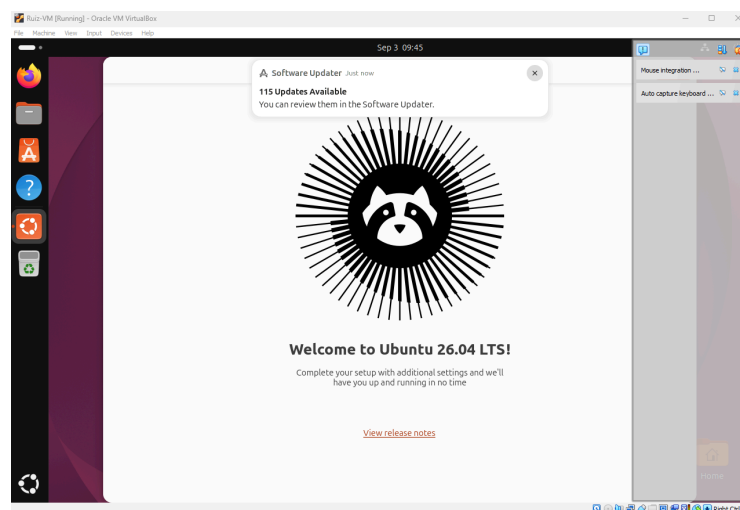
Step 27: Click your account



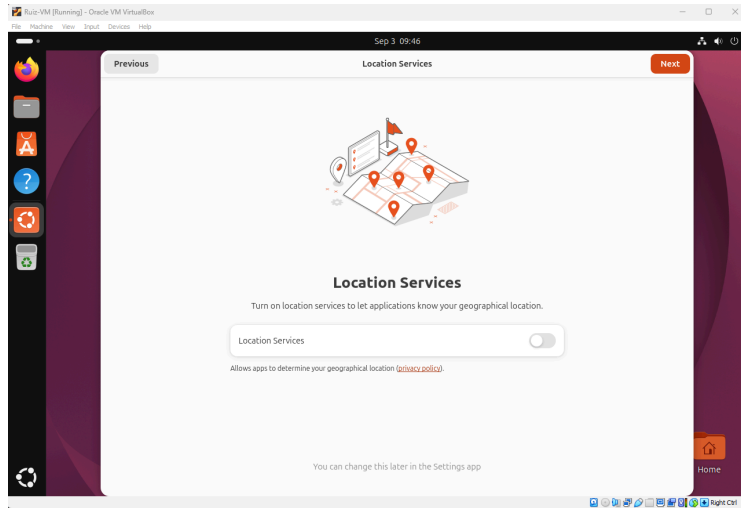
Step 28: Type in your created password (refer to step 22)



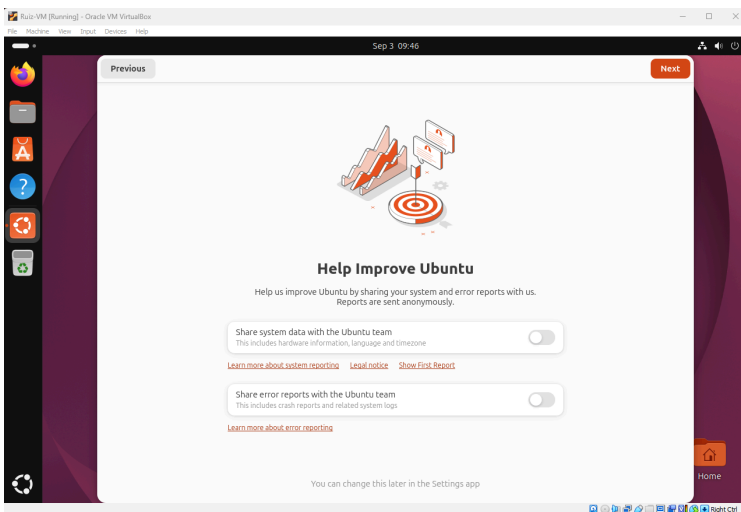
Step 29: Click next



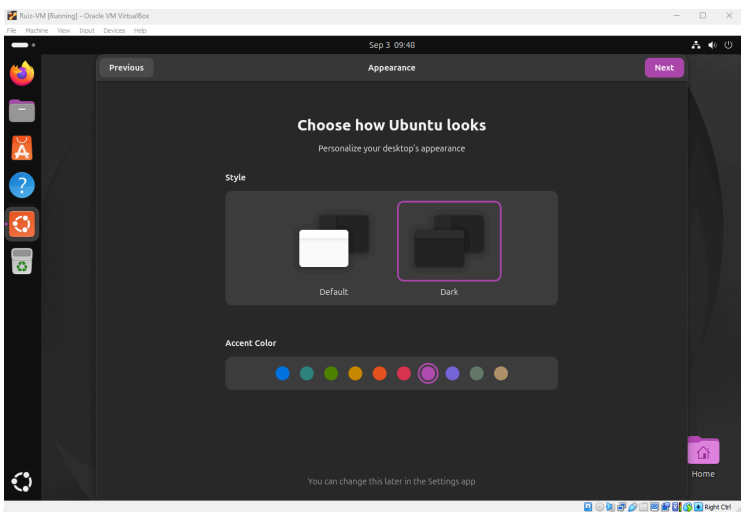
Step 30: Click next



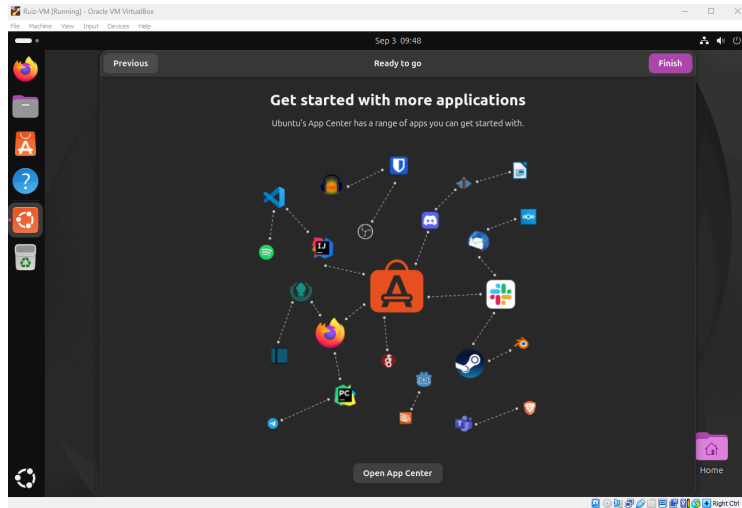
Step 31: Click next



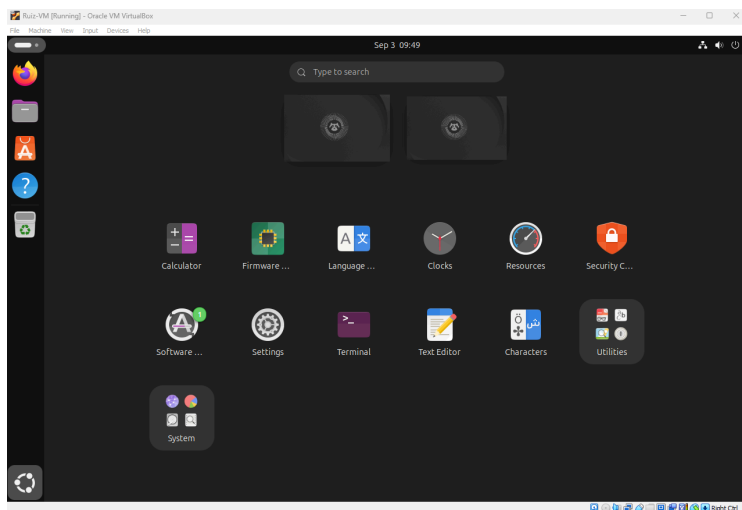
Step 32: Adjust to your preference



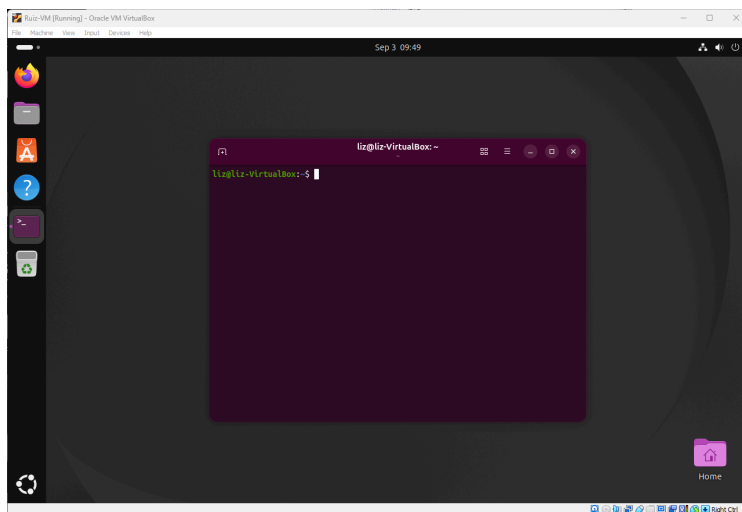
Step 33: Finish setup



Step 34: Click the launcher (in the bottom left) and select terminal



Step 35: And that's it, you're done!



3. Issues Encountered & Resolutions

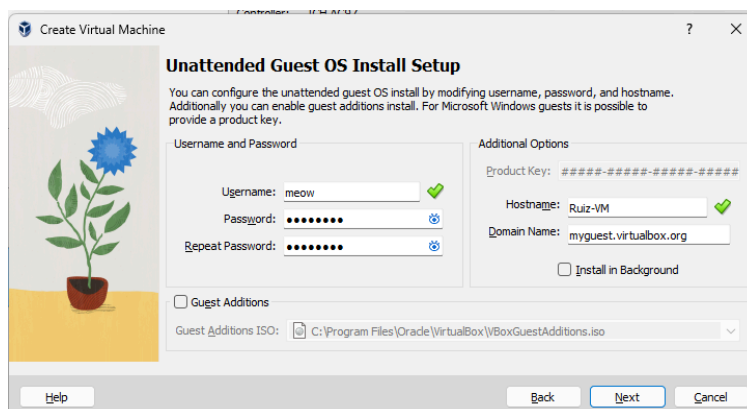
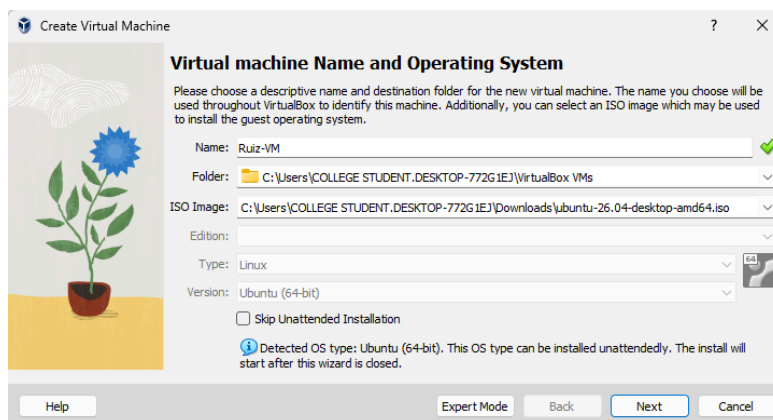
(List any problems during setup and how you fixed them.)

Issue - none	Solution - N/A
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4. Verification Screenshots

(Paste screenshots here or attach separately)

- VM Settings (Memory, CPU, Storage)



Create Virtual Machine

Hardware

You can modify virtual machine's hardware by changing amount of RAM and virtual CPU count. Enabling EFI is also possible.

Base Memory: 8192 MB

Processors: 4

☐ Enable EFI (special OSes only)

Help Back Next Cancel

Create Virtual Machine

Virtual Hard disk

If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk file or select an existing one. Alternatively you can create a virtual machine without a virtual hard disk.

☒ Create a Virtual Hard Disk Now

Disk Size: 100 GB

☐ Pre-allocate Full Size

☐ Use an Existing Virtual Hard Disk File

akosiaifred.vdi (Normal, 25.00 GB)

☐ Do Not Add a Virtual Hard Disk

Help Back Next Cancel

Create Virtual Machine

Summary

The following table summarizes the configuration you have chosen for the new virtual machine. When you are happy with the configuration press Finish to create the virtual machine. Alternatively you can go back and modify the configuration.

Machine Name and OS Type	
Machine Name	Ruiz-VM
Machine Folder	C:/Users/COLLEGE STUDENT.DESKTOP-772G1EJ/VirtualBox VMs/Ruiz-VM
ISO Image	C:/Users/COLLEGE STUDENT.DESKTOP-772G1EJ/Downloads/ubuntu-26...
Guest OS Type	Ubuntu (64-bit)
Skip Unattended Install	false
Unattended Install	
Username	meow
Product Key	false
Hostname/Domain Name	Ruiz-VM.myguest.virtualbox.org
Install in Background	false
Install Guest Additions	false
Hardware	
Base Memory	8192

Help Back Finish Cancel

- ISO Attached / Boot Order

System

Base Memory: 8192 MB

Processors: 4

Boot Order: Hard Disk, Optical, Floppy

Acceleration: Nested Paging, KVM Paravirtualization

• Installation Progress

