



REPUBLIC OF THE PHILIPPINES
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ISO %001:2015 SOCOTEC SCP000722Q



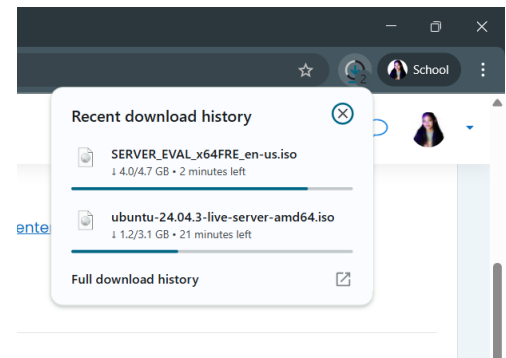
Name: Alyssa R. Sumalpong
Course, Year, & Section: BSIT – 4B

Subject: System Administration and Maintenance
Prof: Dr. Guillermo V. Red. Jr.

Lab Report 1 (*First Graded Lab Assessment*)

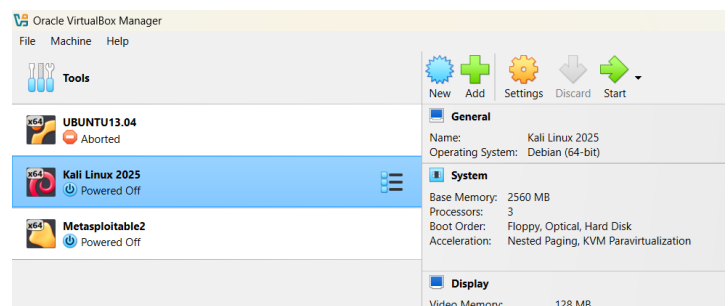
ISO files downloaded:

Windows Server 2019/2022 (Evaluation Edition) and Ubuntu Server LTS (e.g., 22.04)

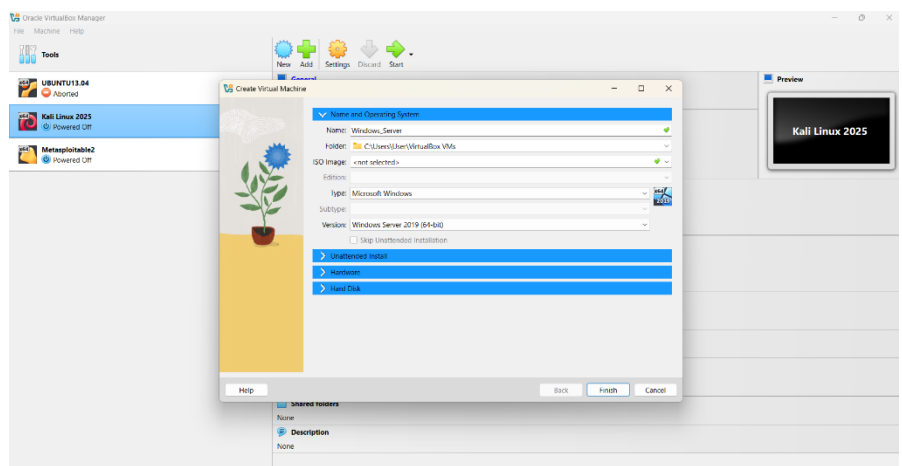


Part 1 – Windows Server VM Installation

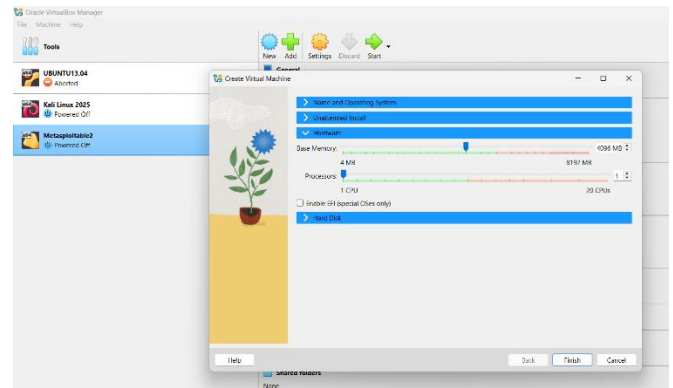
1. Opened Oracle VirtualBox and clicked New.



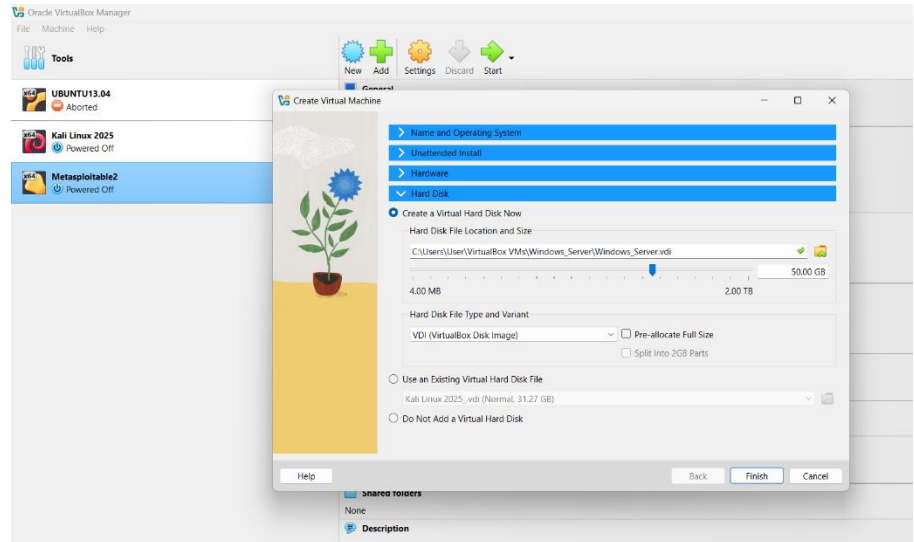
2. Named the VM Windows_Server, chose Microsoft Windows → Windows 2019 (64-bit).



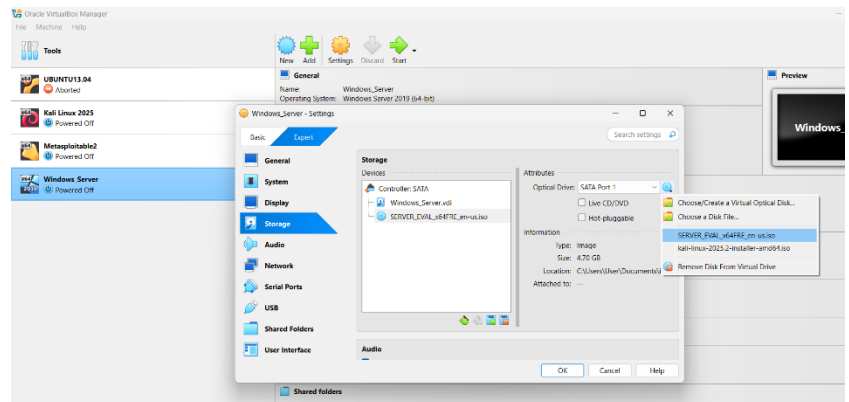
3. Allocated RAM: 4096 MB, CPU: 1 Core.



4. Created a 50 GB VDI, dynamically allocated.

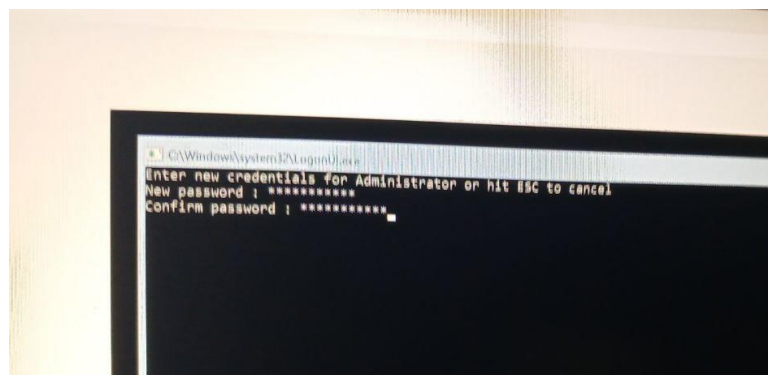


5. Attached the Windows Server 2019/2022 ISO under Storage.



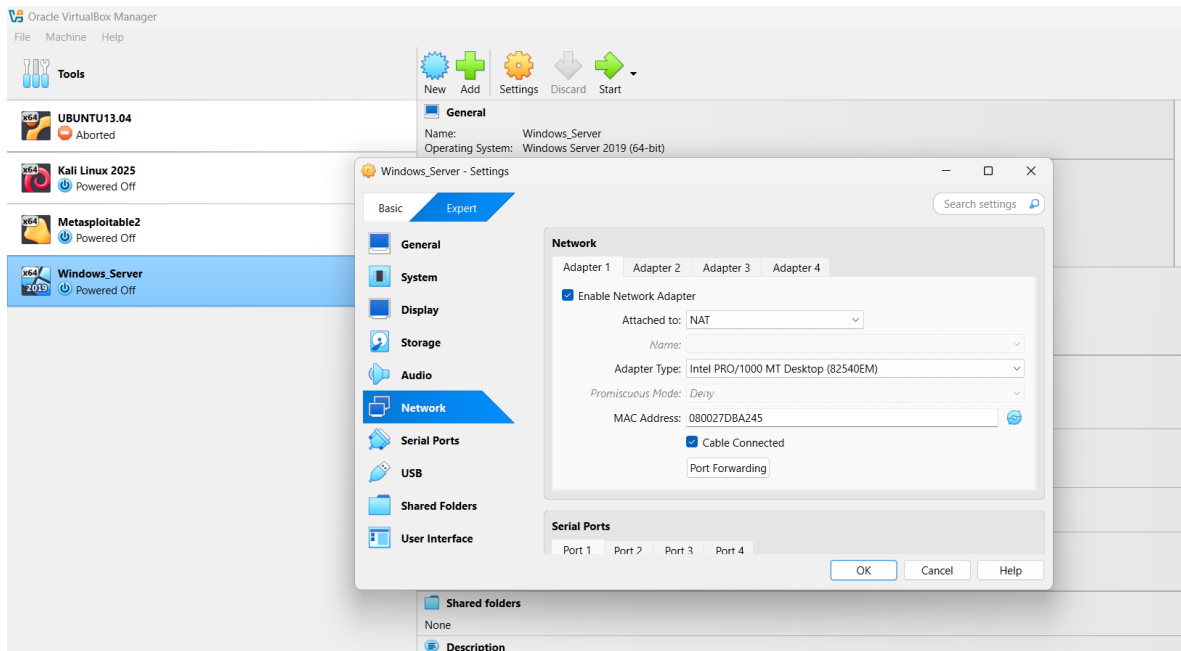
6. Started the VM and followed installation wizard.

- Username: Admin
- Password: P@ssw0rd123

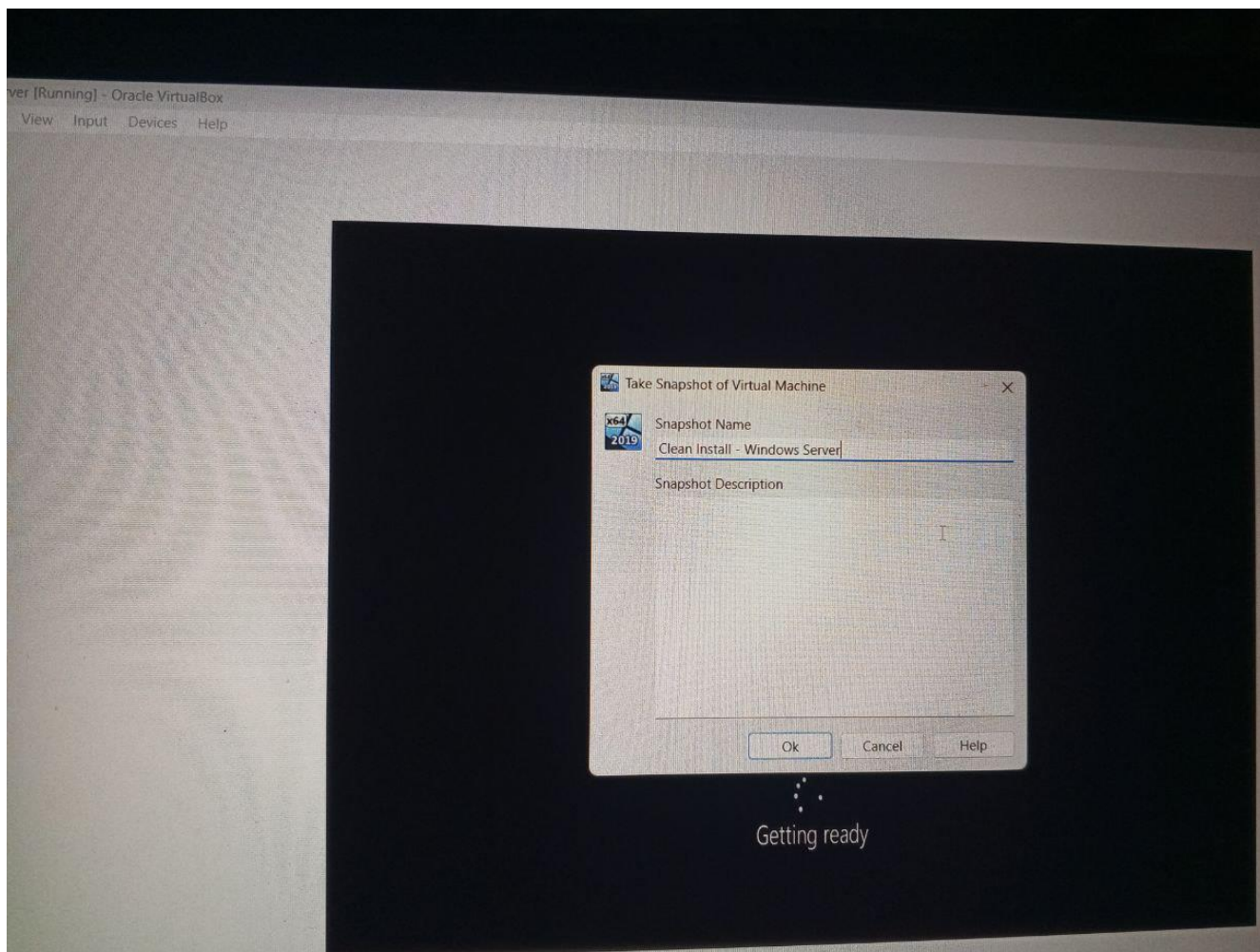


the

7. Enabled Network: NAT adapter.

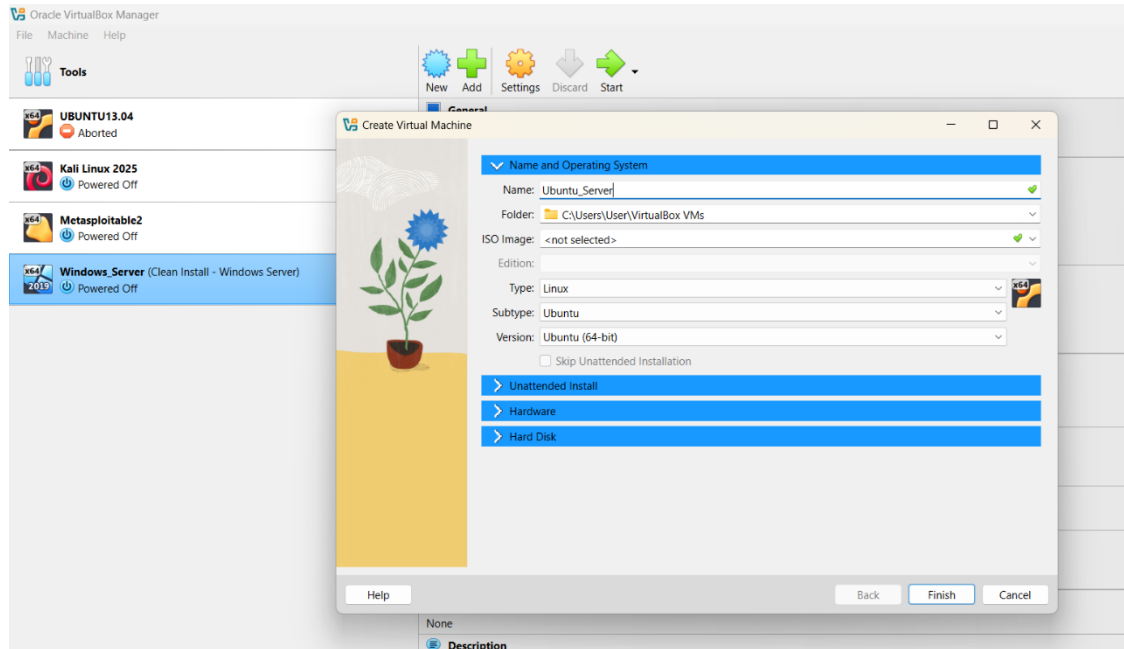


8. Took a snapshot named: *Clean Install – Windows Server*.



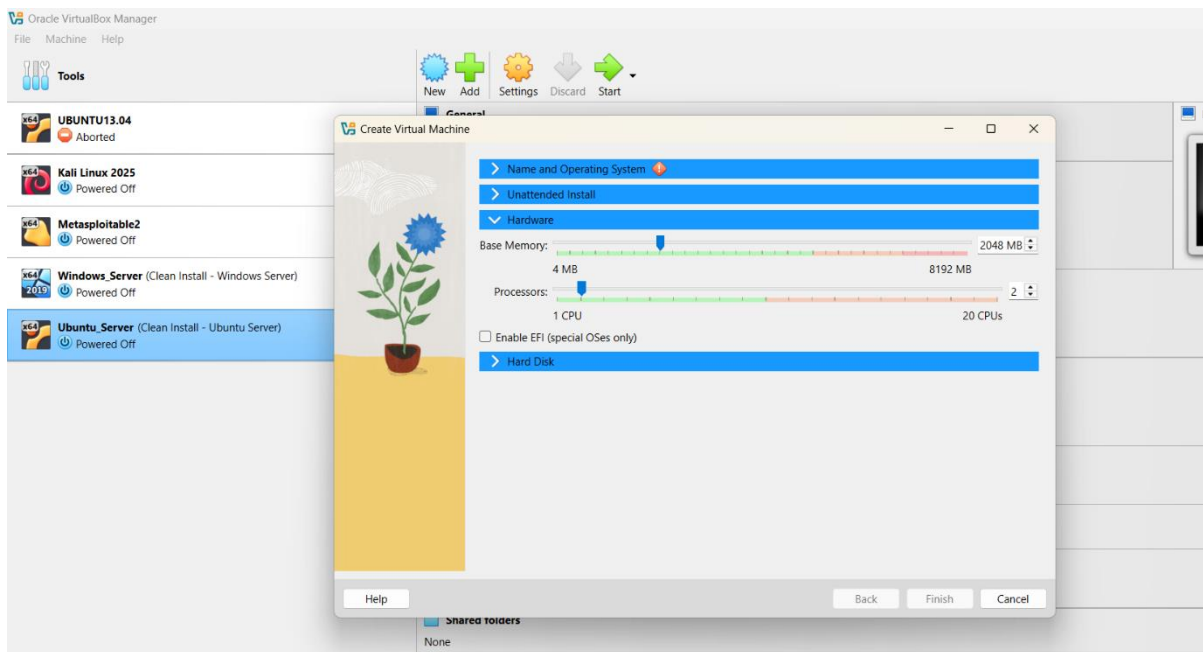
Part 2 – Ubuntu Server VM

1. **Create New VM:** Name it Ubuntu_Server.
 - Type: Linux
 - Version: Ubuntu (64-bit).



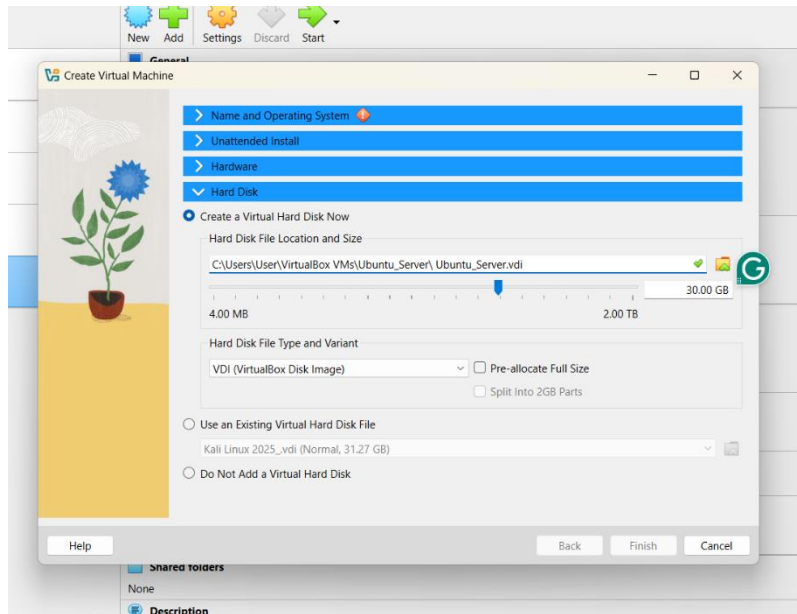
3. Set Resources:

- a. RAM: 2 GB (2048 MB).
- b. CPU: 2 cores.



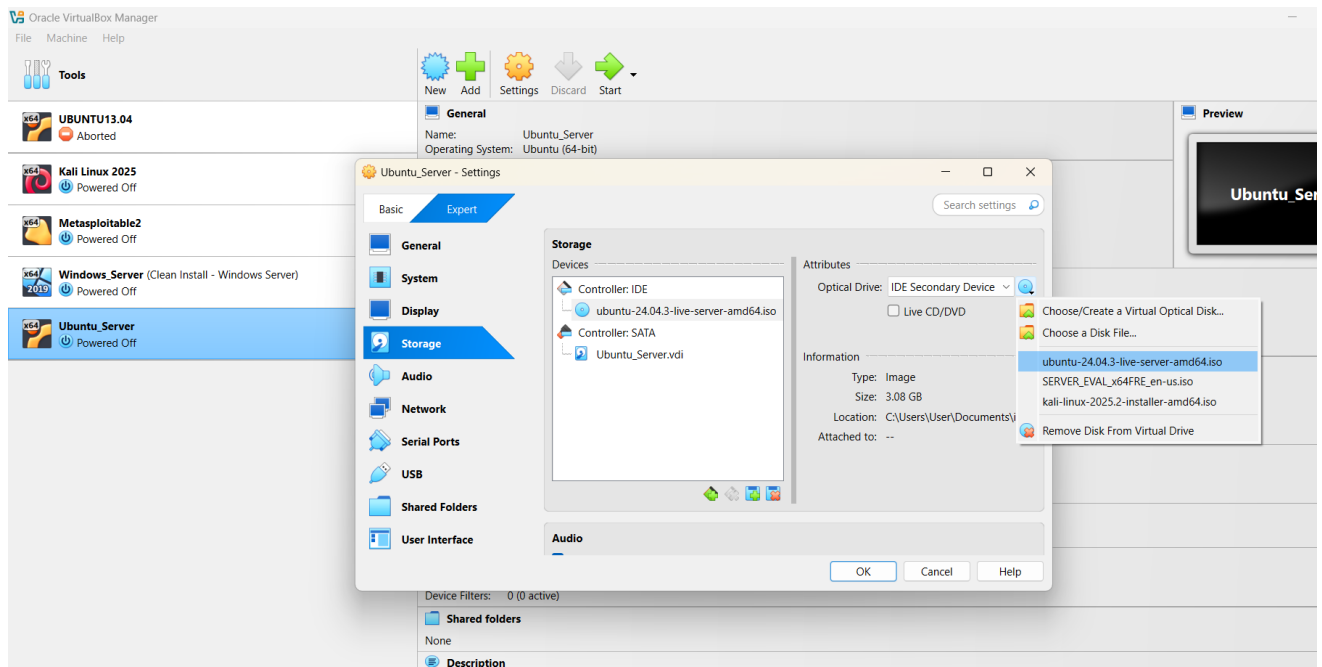
4. Create Hard Disk:

- VDI, Dynamically allocated, Size: 30 GB.



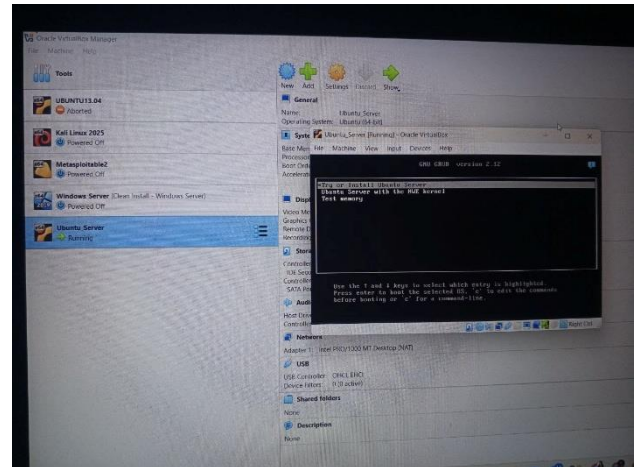
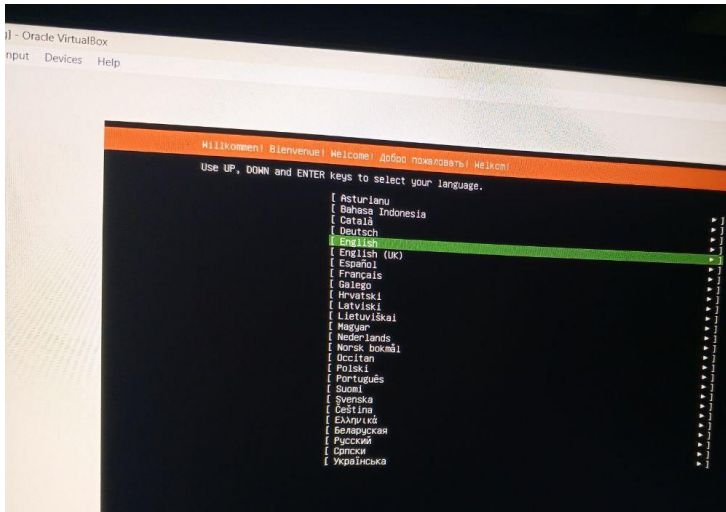
5. Attach ISO (Ubuntu Installer):

- Settings → Storage → Choose your **Ubuntu 22.04** ISO.

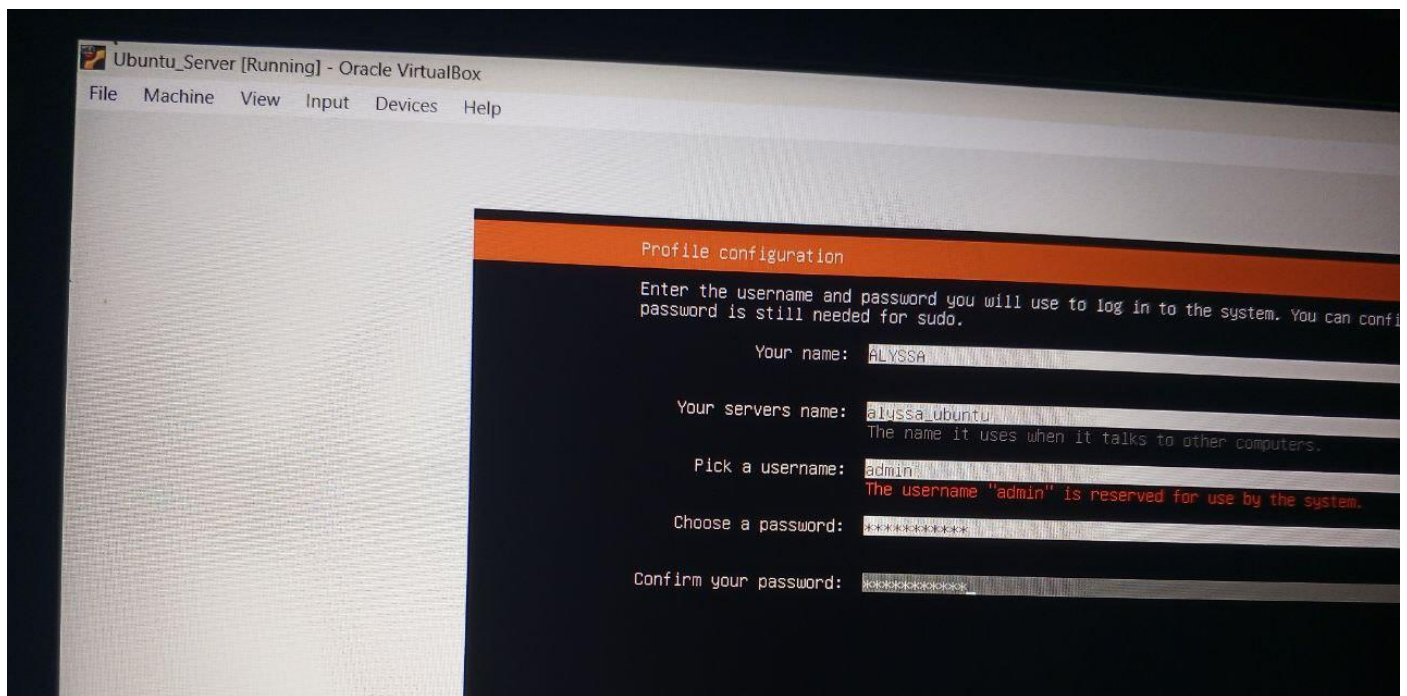


6. Install Ubuntu:

- Language: English.
- Install **OpenSSH Server** (important for later labs).

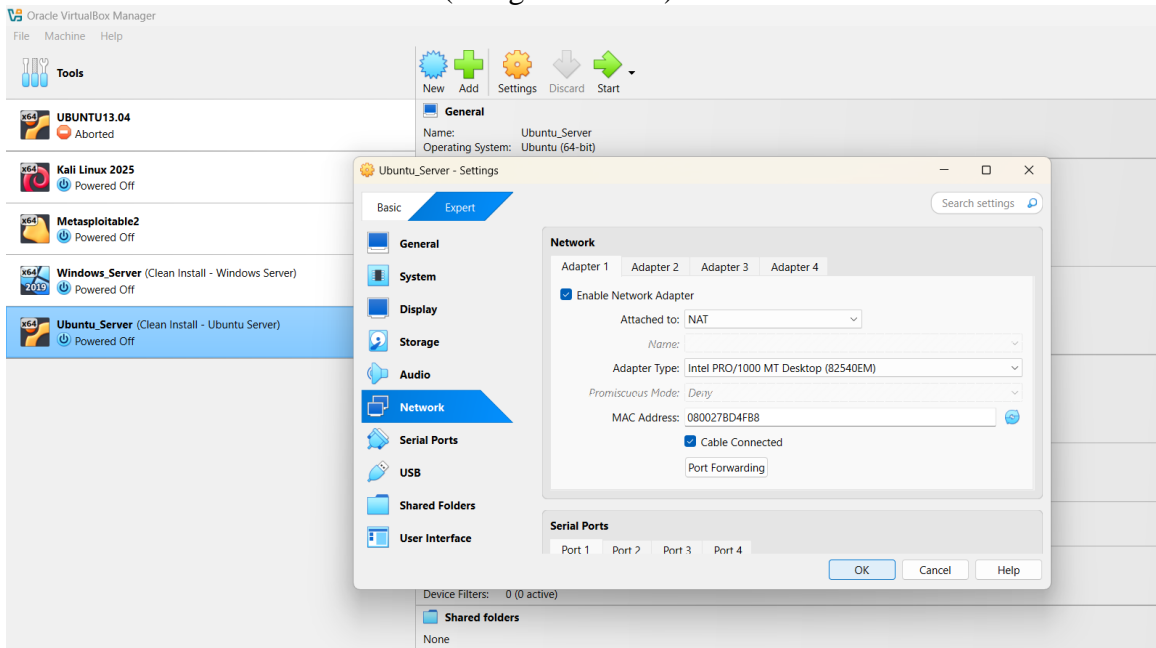


- Username: admin
- Password: P@ssw0rd123.



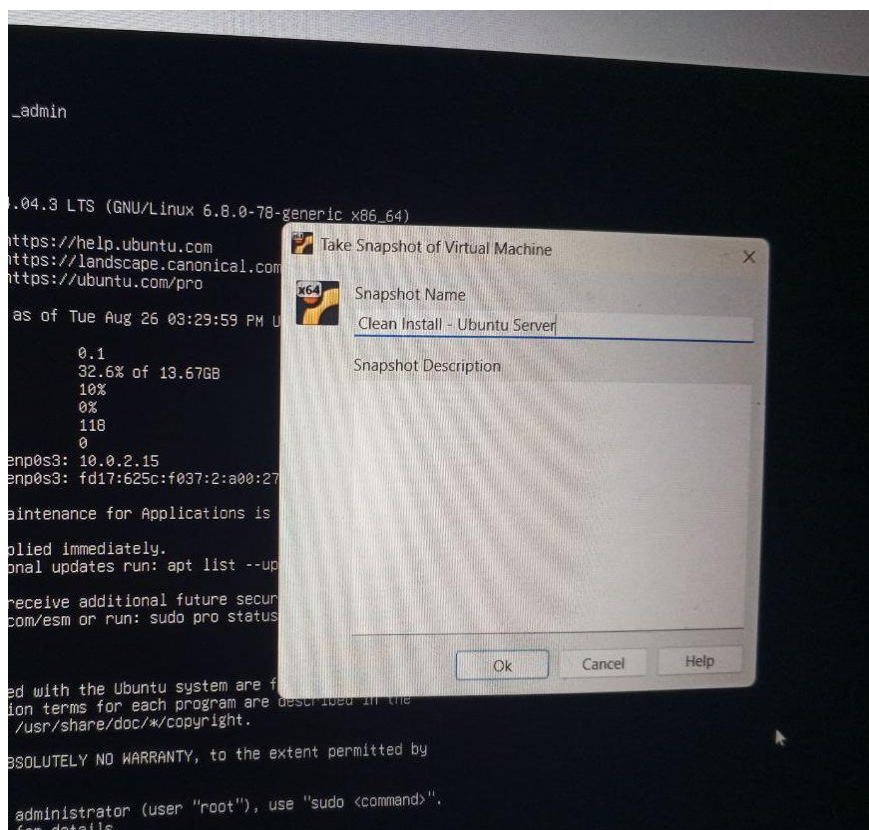
7. Enable Network:

a. Same as Windows (Bridged or NAT).

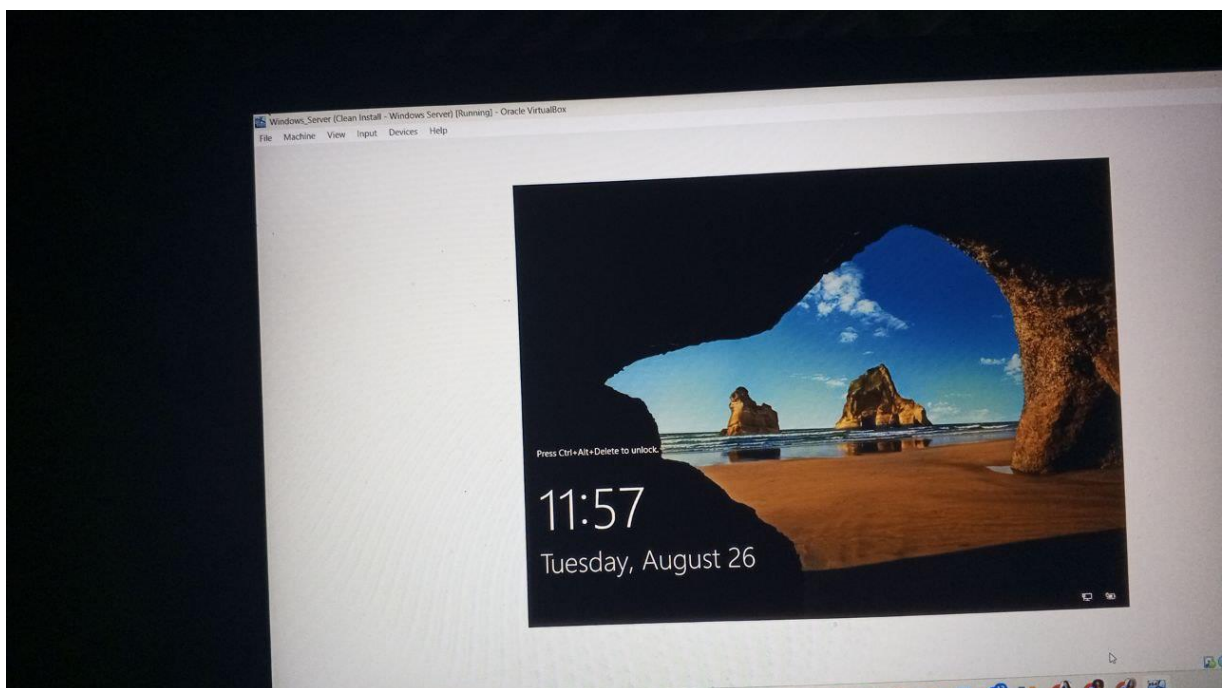
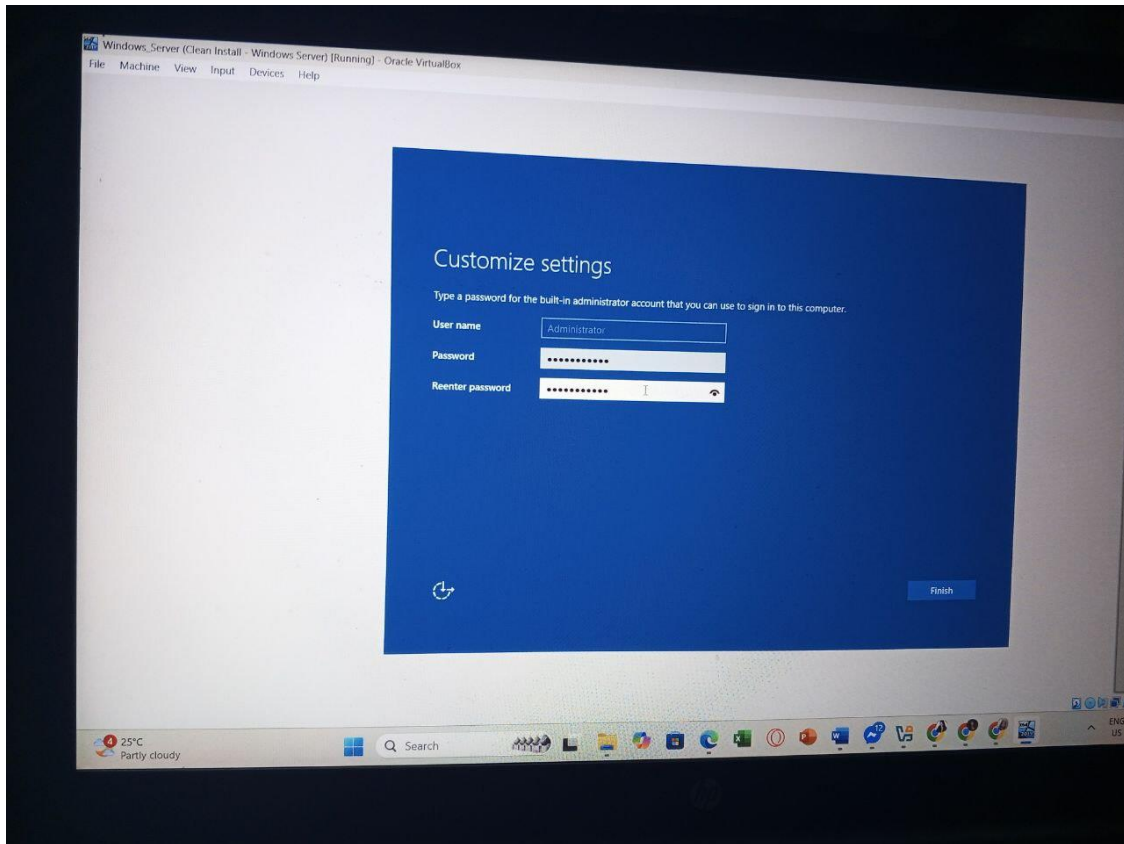


8. Save Snapshot:

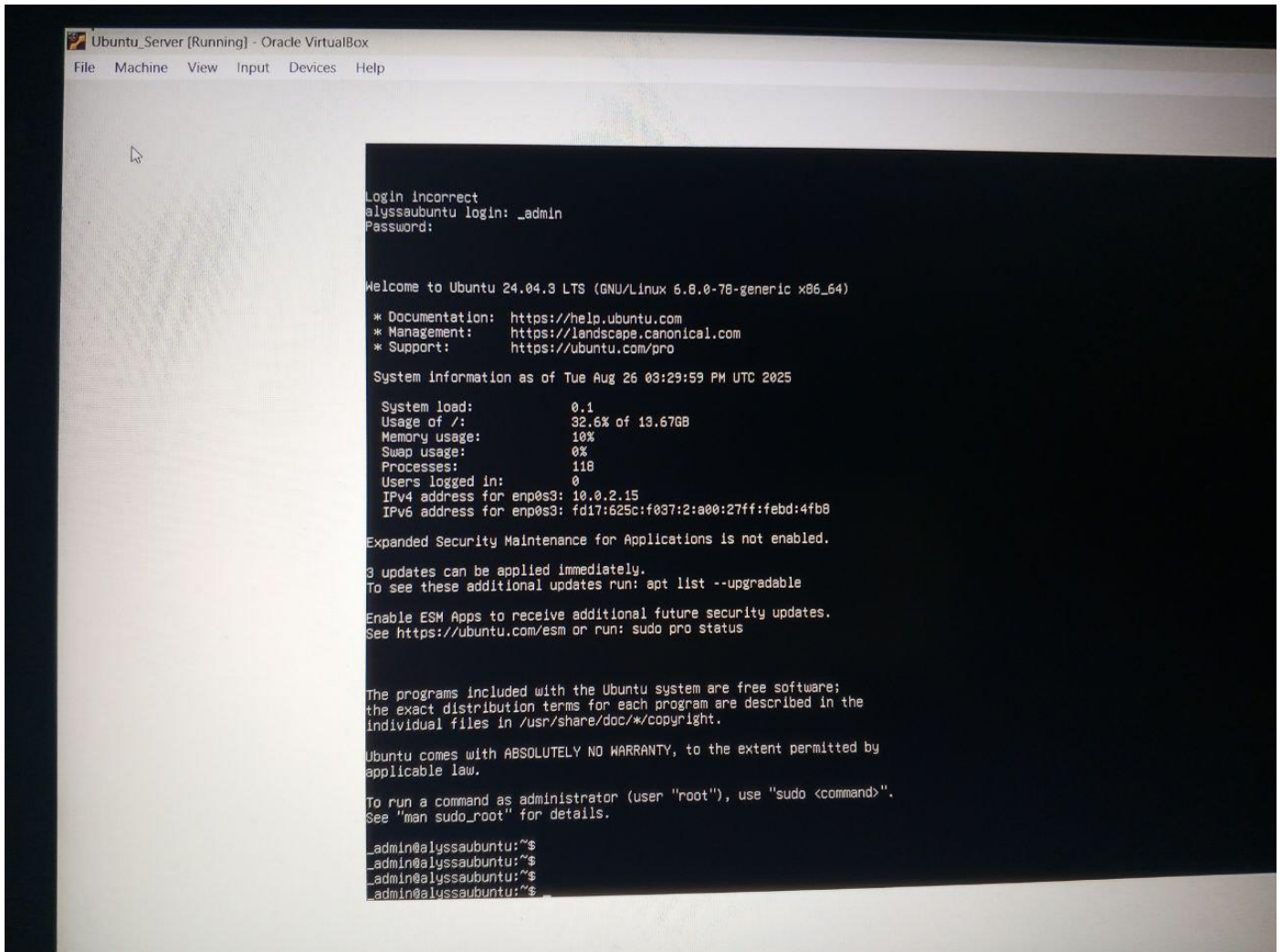
- a. Take a snapshot: *Clean Install – Ubuntu Server*.



SUCCESSFUL WINDOWS LOGIN SERVER



SUCCESSFUL UBUNTU LOGIN SERVER



The screenshot shows a terminal window titled "Ubuntu_Server [Running] - Oracle VirtualBox". The terminal output displays a failed login attempt for the user "alyssaubuntu" with password "_admin". Following this, the system displays the Ubuntu 24.04.3 LTS welcome message, system information, and security updates. The prompt then changes to "_admin@alyssaubuntu:~\$", indicating a successful login.

```
Login incorrect
alyssaubuntu login: _admin
Password:

Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.8.0-78-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

System information as of Tue Aug 26 03:29:59 PM UTC 2025

System load:            0.1
Usage of /:              32.6% of 13.67GB
Memory usage:           10%
Swap usage:             0%
Processes:              118
Users logged in:        0
IPv4 address for enp0s3: 10.0.2.15
IPv6 address for enp0s3: fd17:625c:f037:2:a00:27ff:febd:4fb8

Expanded Security Maintenance for Applications is not enabled.

3 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

_alyssaubuntu@alyssaubuntu:~$
_alyssaubuntu@alyssaubuntu:~$
_alyssaubuntu@alyssaubuntu:~$
_alyssaubuntu@alyssaubuntu:~$
```

Summary of VM Configurations

CONFIGURATION	WINDOWS SERVER 2019	UBUNTU SERVER 22.04 LTS
VM Name	Windows_Server	Ubuntu_Server
Operating System	Windows Server 2019 (Evaluation Edition)	Ubuntu Server 22.04 LTS
RAM	4069 MB (4GB)	2048 MB (2GB)
CPU	1 Core	2 Core
Storage	50 GB VDI (Dynamic)	30 GB VDI (Dynamic)
Network Adapter 1	NAT (Internet Access)	NAT (Internet Access)
Username	admin	admin
Password	P@ssw0rd123 (<i>lab only</i>)	P@ssw0rd123 (<i>lab only</i>)
Snapshot Taken	Clean Install – Windows Server	Clean Install – Ubuntu Server

The installation of both Windows Server 2019 and Ubuntu Server virtual machines was successfully completed using Oracle VirtualBox. Each VM was configured with appropriate system resources (RAM, CPU, storage, and networking) and validated through successful login. Issues such as partition warnings and password entry were resolved during the process.

This lab demonstrated the step-by-step procedure of creating, installing, and configuring server environments, which will serve as the foundation for future networking and system administration exercises.