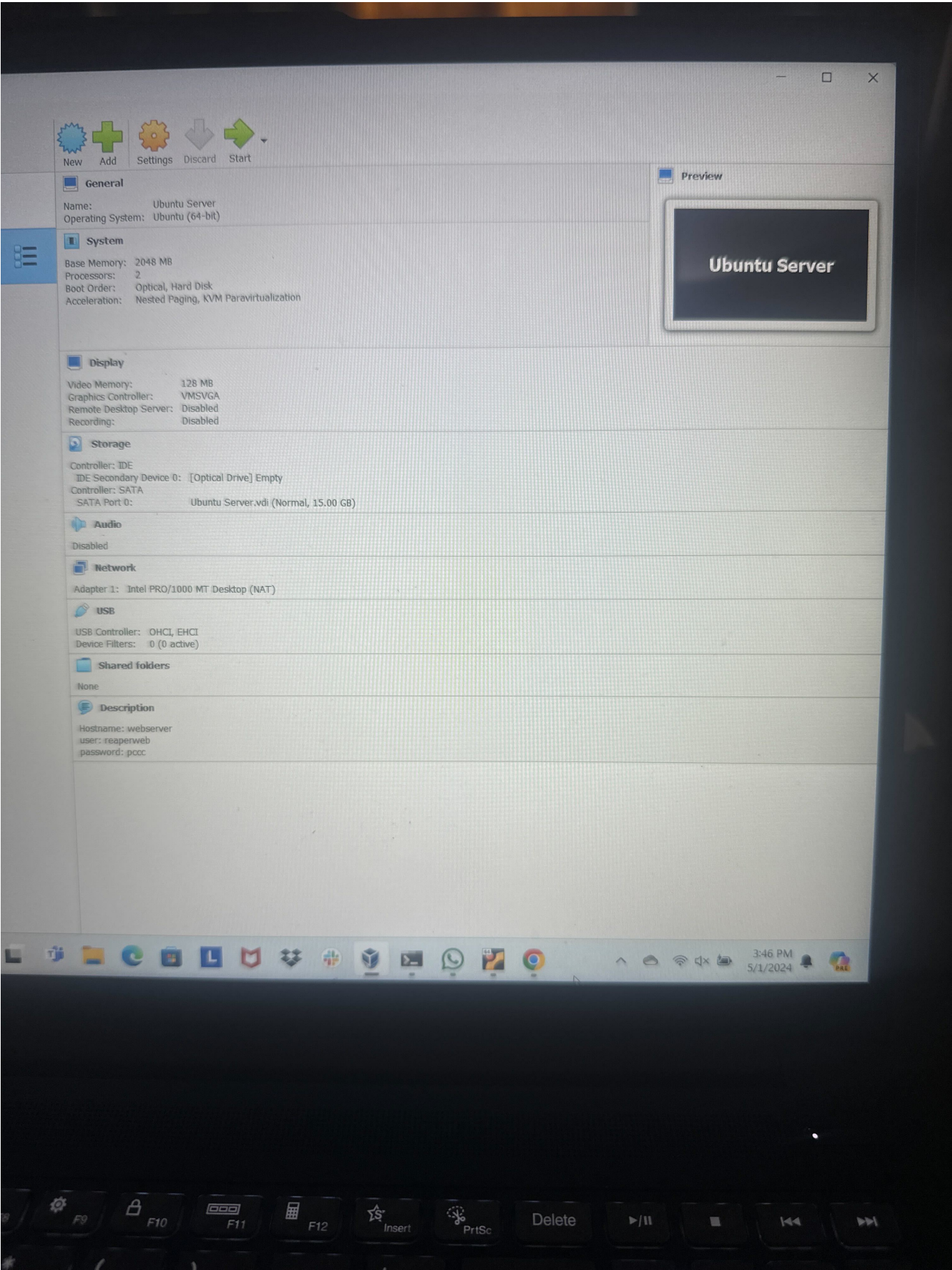
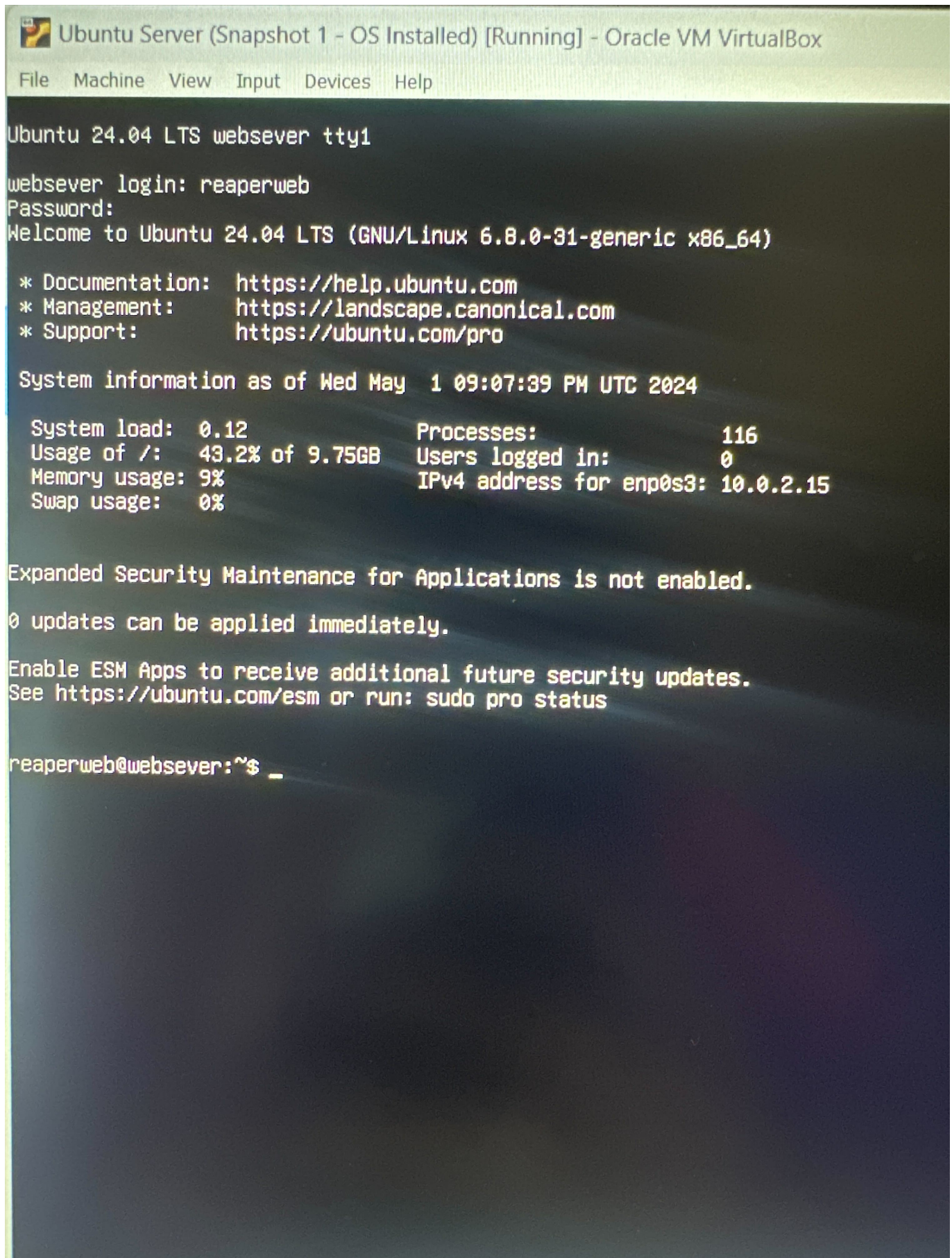


Deliverable 2 Submission

Server Specifications



Ubuntu Login Screen



The screenshot shows a terminal window titled "Ubuntu Server (Snapshot 1 - OS Installed) [Running] - Oracle VM VirtualBox". The terminal displays the login process for the user "reaperweb" on the "webserver" machine. It shows the system information as of Wednesday, May 1, 2024, at 09:07:39 PM UTC. The system load is 0.12, with 116 processes running. The usage of the root filesystem is 43.2% of 9.75GB. Memory usage is 9%, and swap usage is 0%. The IPv4 address for the interface enp0s3 is 10.0.2.15. The terminal also displays a message about Expanded Security Maintenance (ESM) for Applications not being enabled, and provides instructions on how to enable it.

```
Ubuntu Server (Snapshot 1 - OS Installed) [Running] - Oracle VM VirtualBox
File  Machine  View  Input  Devices  Help

Ubuntu 24.04 LTS webserver tty1

webserver login: reaperweb
Password:
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-31-generic x86_64)

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

System information as of Wed May  1 09:07:39 PM UTC 2024

System load:  0.12               Processes:           116
Usage of /:   43.2% of 9.75GB    Users logged in:    0
Memory usage: 9%                IPv4 address for enp0s3: 10.0.2.15
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

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

reaperweb@webserver:~$ _
```

Questions

3. What is the IP address of your Ubuntu Server Virtual Machine? 10.0.2.15
4. How do you enable the Ubuntu Firewall? `sudo ufw enable`

5. **How do you check if the Ubuntu Firewall is running?** `sudo ufw status`
6. **How do you disable the Ubuntu Firewall?** `sudo ufw disable`
7. **How do you add Apache to the Firewall?** `sudo apt update; sudo apt upgrade-y`
8. **What is the command you used to install Apache?** `sudo apt install apache2-y`
9. **What is the command you use to check if Apache is running?** `systemctl status apache2 --no-pager-`
10. **What is the command you use to stop Apache?** `sudo systemctl stop apache2 ssh`
11. **What is the command you use to restart Apache?** `sudo systemctl restart apache2 ssh`
12. **What is the command used to test Apache configuration?** `apachectl configtest`
13. **What is the command used to check the installed version of Apache?** `apt info apache2`
14. **What are the most common commands to troubleshoot Apache errors? Provide a brief description of each command.**
 - `systemctl` - It is used to control and manage Linux services.
 - `apachectl` - it is use to check the Apache configuration files for any error.
15. **Which are Apache Log Files, and what are they used for? Provide examples and screenshots.**