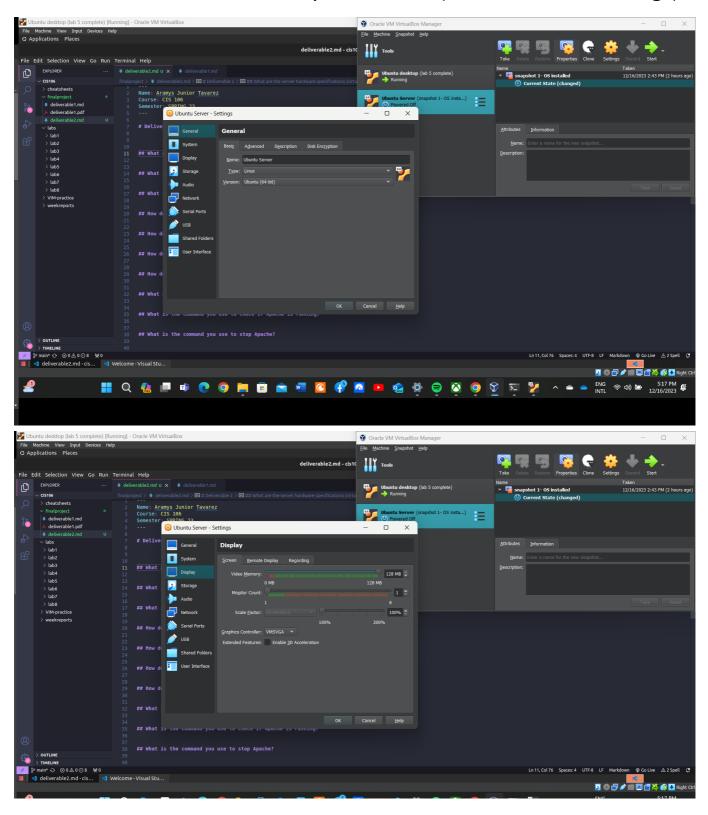
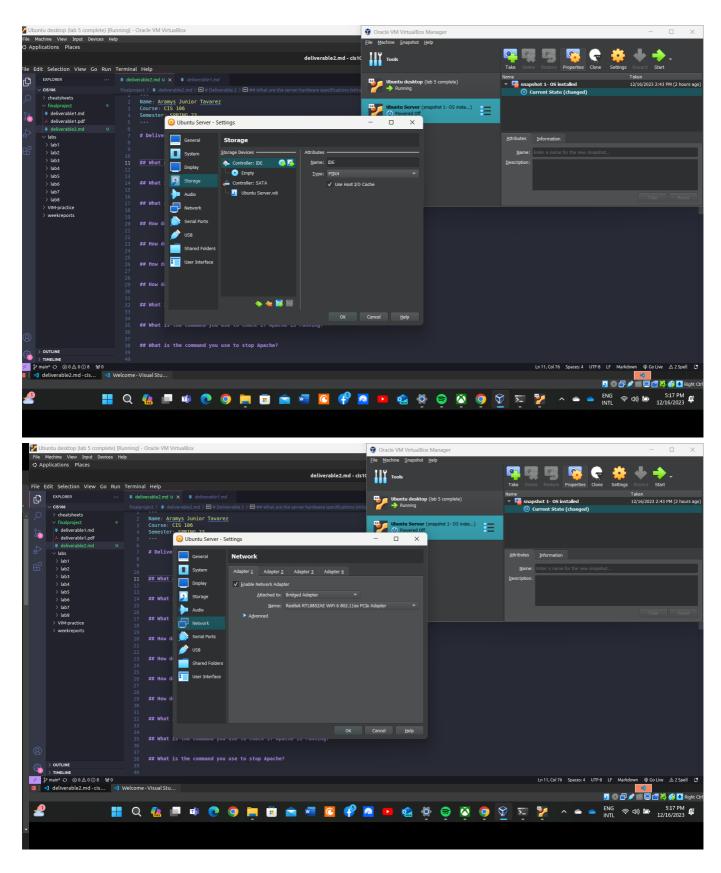
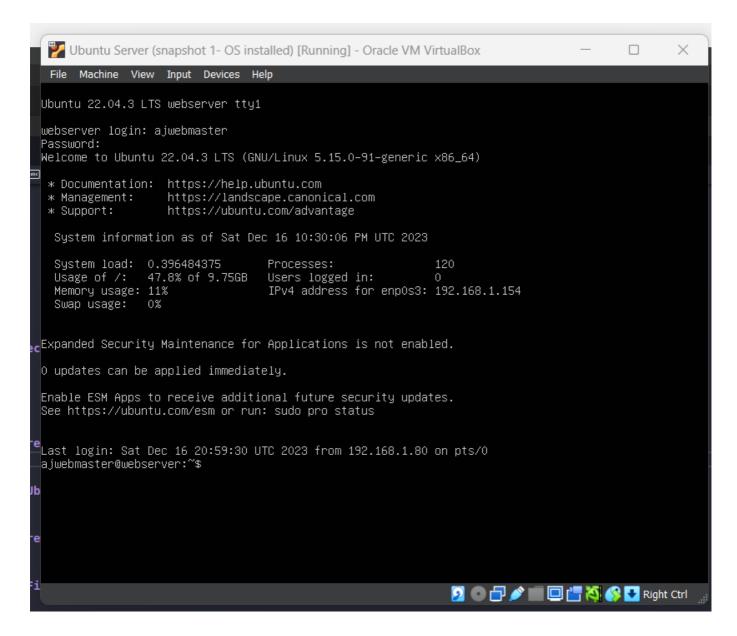
# Deliverable 2

What are the server hardware specifications (virtual machine settings)?





What is Ubuntu server log in screen?



# What is the IP address of your Ubuntu Server Virtual Machine?

In the welcome page, in the section ipv4 address:192.168.1.154

#### How do you enable the Ubuntu Firewall?

sudo afw enable

#### How do you check if the Ubuntu Firewall is running?

sudo afw status

#### How do you disable the Ubuntu Firewall?

sudo afw desable

### How do you add Apache to the Firewall?

sudo afw allow 'apache'

## What is the command you used to install Apache?

```
sudo apt install apache2
```

#### What is the command you use to check if Apache is running?

```
sudo systemctl status apache2 --no-pager
```

#### What is the command you use to stop Apache?

```
sudo systemctl stop apache2 --no-pager
```

#### What is the command you use to restart Apache?

```
sudo systemctl restart apache2 --no-pager
```

#### What is the command used to test Apache configuration?

```
sudo apachectl configtest
```

#### What is the command used to check the installed version of Apache?

```
apache2 -v
```

# What are the most common commands to troubleshoot Apache errors? Provide a brief description of each command.

systemctl - Used to control and interact with Linux services via the systemd service manager.

journalctl - Used to query and view the logs that are generated by systemd. apachectl - When troubleshooting, this command is used to check Apache's configuration.

#### Which are Apache Log Files, and what are they used for?

Apache log files are a very helpful resource for troubleshooting. Generally, any error that you receive in a browser or other HTTP client will have a corresponding entry in Apache's logs. To examine log files for errors while troubleshooting Apache on a Fedora, CentOS, or RedHat server, examine the

/var/log/httpd/error log file.

```
ajwebmaster@webserver:~$ sudo apachectl configtest
[sudo] password for ajwebmaster:
Syntax OK
ajwebmaster@webserver:~$
```