

Deliverable 2

What are the server hardware specifications (virtual machine settings)?
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(hardware.spec)[q.1.png]

What is Ubuntu server log in screen? Take screenshot - do not type it!

(UB.log_in)[q.2.png]

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

192.168.1.232

How do you enable the Ubuntu Firewall?

sudo ufw enable

How do you check if the Ubuntu Firewall is running?

sudo ufw status command

How do you disable the Ubuntu Firewall?

sudo ufw disable

How do you add Apache to the Firewall?

Apache is available in Ubuntu's default repositories.

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 a2ensite ...config
```

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

```
sudo systemctl status apache2
```

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? Provide examples and screenshots.

(pic1)[apache.1.png](#)[apache.1.png] 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.