Deliverable 2 Submission

What are the server hardware specifications?

What is Ubuntu server log in screen?

What is the IP address of your ubuntu server virtual machine?

webmaster@10.0.2.15

How do you enable the Ubuntu firewall?

To enable firewall , use the Uncomplicated Firewall tool. Ensure it's installed with sudo apt install ufw. THen you can enable it with sudo ufw enable.

How do you check if the Ubuntu firewall is running?

To check if the firewall is running on Ubuntu using UFW, you can use command sudo ufw status.

How do you disable the Ubuntu firewall?

You can use the command sudo ufw disable.

How do you add Apache to the firewall?

To allow Apache through the firewall on Ubuntu you can use the command sudo ufw allow 'Apache'.

What is the command you used to install Apache?

The command to install Apache is sudo apt install apache2.

What is the command used to check if Apache is running?

The command to check if Apache is running is sudo systemctl status apache2.

What is the command you use to stop Apache?

To stop Apache use the command sudo systemctl stop apache2.

What is the command you use to restart Apache?

To restart Apache use the command sudo systemctl restart apache2.

What is the command used to test Apache configuration?

To test the Apache configuration you use the command sudo apachetl configtest.

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

To check the installed version of Apache you use the command apache2 -v .

What are the most common commands to troubleshoot Apache errors?

- tail: used to display the last part of a file, which is often useful for checking Apache error logs in real-time. For example: tail -f /var/log/apache2/error.log
- journalctl: displays system logs, including Apache logs, on systems that use systemmd. For example: journalctl -u apache2.service.
- apachectl: Apache control interface that provides various commands for managing Apache, such as starting, stopping, and testing the configuration.
- netstat: Network utility used to display network connections, routing tables, and interface statistics. It can be helpful for checking if Apache is listening on the expected ports. For example: netstat -tulin | grep ':80|:443'.
- systemctl: Used for controlling the systemd system and service manager. It can be used to start, stop, restart, and check the status of Apache service.

Which are Apache Log files, and what are they used for?

- Access log: Records all requests. Located at /var/log/apache2/access.log on Ubuntu.
- Error Log: Logs errors encountered by Apache while processing requests. Located at /var/log/apache2/error.log on Ubuntu.