Deliverable 2 Submission

Server Specifications

Ubuntu Login Screen

```
Ubuntu 24.04.1 LTS webserver tty1

webserver login: webmaster
Password:
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-50-generic x86_64)

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

 System information as of Mon Dec 16 08:21:35 PM UTC 2024

  System load:  0.0                Processes:             110
  Usage of /:   45.0% of 9.75GB    Users logged in:       1
  Memory usage: 9%                 IPv4 address for enp0s3: 192.168.1.161
  Swap usage:   0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

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


webmaster@webserver:~$ _
```

Sample Page

This is a sample document!

Questions

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1. What is the IP address of your Ubuntu Server Virtual Machine? 192.168.1.161

2. How do you enable the Ubuntu Firewall? `sudo ufw enable`

3. How do you check if the Ubuntu Firewall is running? `sudo ufw status`

4. How do you disable the Ubuntu Firewall? `sudo ufw disable`

5. How do you add Apache to the Firewall? `sudo ufw allow 'Apache'`

6. What is the command you used to install Apache? `sudo apt install apache2 -y`

7. What is the command you use to check if Apache is running? `systemctl status apache2 --no-pager`

8. What is the command you use to stop Apache? `sudo systemctl stop apache2 ssh`

9. What is the command you use to restart Apache? `sudo systemctl restart apache2 ssh`

10. What is the command used to test Apache configuration? `sudo apache2ctl configtest`

11. What is the command used to check the installed version of Apache? `systemctl status apache2 --no-pager`

12. What are the most common commands to troubleshoot Apache errors? Provide a brief description of each command. `systemctl status apache2 --no-pager`

    - To check the status of Apache `sudo apache2ctl configtest`
    - Test the configuration for errors `sudo systemctl restart apache2 ssh` To restart the services if not active

13. Which are Apache Log Files, and what are they used for? Provide examples and screenshots. Used to create a log file and add text `sudo nano /etc/apache2/sites-available/mywebsite.conf` Example: <VirtualHost *:80> ServerAdmin webmaster@localhost ServerName mywebsite ServerAlias www.mywebsite DocumentRoot /var/www/mywebsite ErrorLog {APACHE_LOG_DIR}/error.log CustomLog ${APACHE_LOG_DIR}/access.log combined