



Ubuntu Server & Apache Setup

- **Server Hardware Specifications (Virtual Machine Settings):**



- **Ubuntu Server Login Screen:**



- **IP Address of Ubuntu Server Virtual Machine:**

Run the following command and take a screenshot:

```
ip a
```

Ubuntu Firewall Commands (UFW)

- ✓ Enable Firewall

```
sudo ufw enable
```

- **Purpose:** Turns on the Uncomplicated Firewall (UFW)

- ✓ Check if Firewall is Running

```
sudo ufw status
```

- **Purpose:** Shows current status (active/inactive) and allowed services

✓ Disable Firewall

```
sudo ufw disable
```

- **Purpose:** Turns off the firewall

✓ Allow Apache Through Firewall

```
sudo ufw allow 'Apache'
```

- **Purpose:** Opens port 80 (HTTP) for web traffic

Apache Commands

Install Apache

```
sudo apt update  
sudo apt install apache2
```

- **Purpose:** Installs the Apache web server

Check Apache Status

```
sudo systemctl status apache2
```

- **Purpose:** Confirms if Apache is running

Stop Apache

```
sudo systemctl stop apache2
```

- **Purpose:** Stops the Apache service

Restart Apache

```
sudo systemctl restart apache2
```

- **Purpose:** Restarts the Apache service after changes

Test Apache Configuration

```
sudo apache2ctl
```

- **Purpose:** Validates the configuration for syntax errors

Check Apache Version

```
apache2 -v
```

- **Purpose:** Displays the installed Apache version