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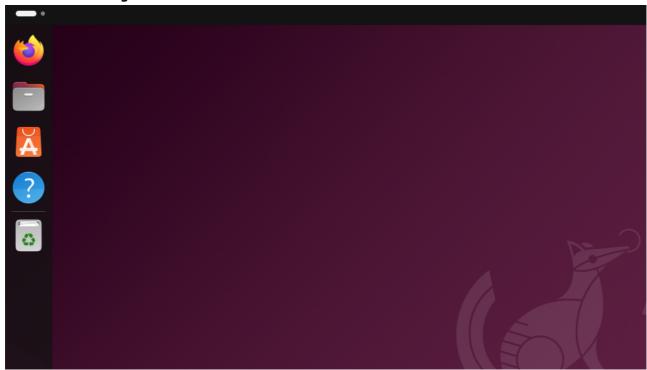


# Ubuntu Server & Apache Setup

• 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)

sudo ufw enable

• Purpose: Turns on the Uncomplicated Firewall (UFW)

sudo ufw status

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

```
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
```

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• **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