1)

```
——(kali® kali)-[~]
—$ <u>sudo</u> apt install apache2 -y
apache2 is already the newest version (2.4.63-1).
apache2 set to manually installed.
Summary:
Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 1549
```

Step 1: Update Your System (Recommended)

bash

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sudo apt update && sudo apt upgrade -y

This ensures your package lists and installed packages are up-to-date.

Step 2: Install Apache2

bash

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sudo apt install apache2 -y

• -y automatically confirms the installation.

Step 3: Verify Installation

Check the installed version:

bash

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apache2 -v

If installed successfully, it should return something like:

pgsql

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Server version: Apache/2.4.63 (Debian)

Server built: YYYY-MM-DD

Step 4: Start & Enable Apache Service

Start the Apache2 service:

bash

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sudo systemctl start apache2

Enable it to start on boot:

bash

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sudo systemctl enable apache2

Check if Apache is running:

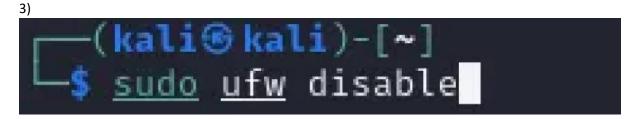
bash

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sudo systemctl status apache2

2)

We are checking the status of apache "sudo systemctl status apache2"



We use "sudo ufw disable" to allow all traffic

4) Before Hardening:

5)After Hardening: