

STEPS TO INSTALL APACHE WEB SERVER IN LINUX

Step 1: Check your Linux distribution.

- Use the following command to check which Linux distribution you are using.

```
grep -E '^(VERSION|NAME)= ' /etc/os-release
```

```
NAME="Linux Mint"
VERSION="21.3 (Virginia)"
```

Checking linux

distribution (Linux Mint Debian OS)

Step 2: Update Your System.

```
sudo apt update && sudo apt upgrade
```

Step 3: Install Apache Web Server

```
sudo apt install apache2 -y
```

Step 4: Enable the Services

```
sudo systemctl enable apache2
```

Step 5: Test the Server by Hosting Simple Website

- First, we will create a directory for our test website using following command.

```
sudo mkdir /var/www/html/test_website
```

- Now we will add index.html for our test website along with some testing code using following command

```
echo ' <html>
    <head>
    <title>Example</title>
    </head>
    <body>
        <h1 style="color:green">GFG</h1>
        <p>This is a Apache Test Server for Ubuntu and
Debian</p>
    </body>
</html>' | sudo tee
/var/www/html/test_website/index.html
```

- Now we will add configuration file using following command

```
sudo echo '<VirtualHost *:80>
ServerName web.testingserver.com
DocumentRoot /var/www/html/website
DirectoryIndex index.html
ErrorLog /var/log/httpd/example.com_error.log
CustomLog /var/log/httpd/example.com_requests.log
combined'
```

```
</VirtualHost>' >
```

```
/etc/httpd/conf.d/web.conf
```

- Once we created the required config file and test website, we will need to own the Apache website directory for permissions.
- We will use chown and chmod command as follows

```
sudo chown -R apache: apache
```

```
/var/www/html/test_website
```

```
sudo chmod -R 755 /var/www/html/test_website
```

- Now you can see locally hosted website on localhost.

Link: <http://localhost>



testing website on local server