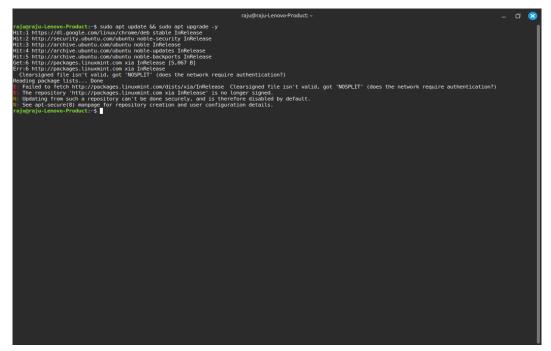
Practical Report: Setting up HTTP Server on Linux Mint

This report documents the complete practical steps taken to set up an HTTP server on Linux Mint using Apache2. It includes all commands executed, problems encountered, their resolutions, and the final output. Screenshots have been included at each stage for clarity.

Step 1: Updating and Upgrading the System

We started by updating and upgrading the system using the following command: **sudo apt update && sudo apt upgrade -y**

An error related to Linux Mint repositories appeared, but we continued using Ubuntu repositories.



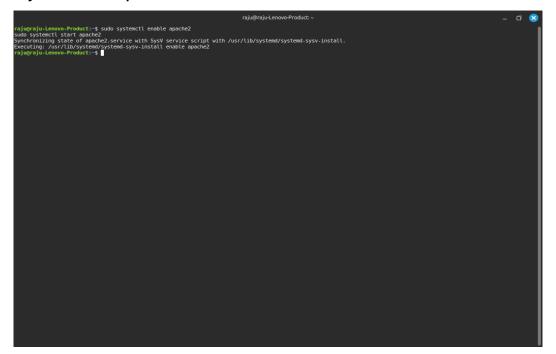
Step 2: Installing Apache2

We installed Apache2 with: **sudo apt install apache2 -y** This installed Apache2 and dependencies.

```
| Failed to fetch http://packages.lmummint.com/dists/sia/InRelease (learsigned file son't valid, got 'MOSPLIT' (does the network require authentication?)
| In Propository 'http://packages.lmummint.com via InRelease is no longer signed.
| Updating from such a repository can't be done securely, and is therefore disabled by default.
| Interest of the package is the package is the package in the package is the p
```

Step 3: Enabling and Starting Apache2 Service

We enabled and started the Apache2 service so it runs on boot: sudo systemctl enable apache2 sudo systemctl start apache2



Step 4: Checking Apache2 Service Status

We confirmed Apache2 was running with:

sudo systemctl status apache2

The service was active and running.

```
rajugraju-Lenovo-Product:- sudo systemctl status apache2

* apache2.service - The Apache HTTP Server

Letture: active (running) since Toe 2925-89-89 12:13:25 15T; 2min 4s ago

Does: https://https.apache.org/does/2-2-4/

Nain Tibl 4286 (apache2)

Memory: 5-76 (poek: 6-29)

GOT: 5-56s

Coroup: ystem:slice/apache2.service - The Apache HTTP Server.

Sep 99 12:13:25 raju-Lenovo-Product systems[1]: Started apache2.service - The Apache HTTP Server.

Sep 99 12:13:25 raju-Lenovo-Product systems[1]: Started apache2.service - The Apache HTTP Server.

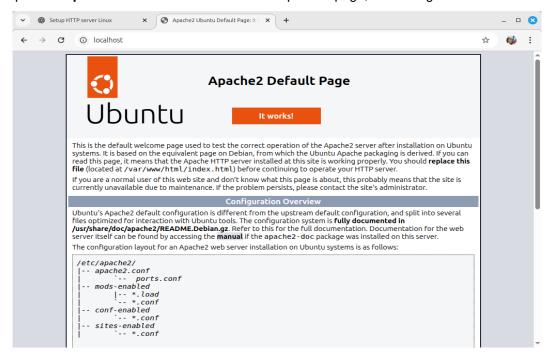
Sep 99 12:13:25 raju-Lenovo-Product systems[1]: Started apache2.service - The Apache HTTP Server.

Lines 13:16/16 (EUD)

Service - Started -
```

Step 5: Testing Default Apache Page

We opened http://localhost/ and saw the default Apache2 page, confirming installation.



Step 6: Editing index.html

We changed file permissions and opened the default index.html with nano: sudo chmod 666 /var/www/html/index.html sudo nano /var/www/html/index.html

```
rajulraju-Lenovo-Product:-s sudo cheod 666 /var/www/html/index.html
[sudo] passeerd for raju:
rajulraju-Lenovo-Product:-s sudo nano /var/www/html/index.html
rajulraju-Lenovo-Product:-s sudo nano /var/www/html/index.html
rajulraju-Lenovo-Product:-s sudo nano /var/www/html/index.html
```

Step 7: Adding Custom HTML Content

We replaced the content with a custom HTML page displaying a message and the name 'Swaraj'.

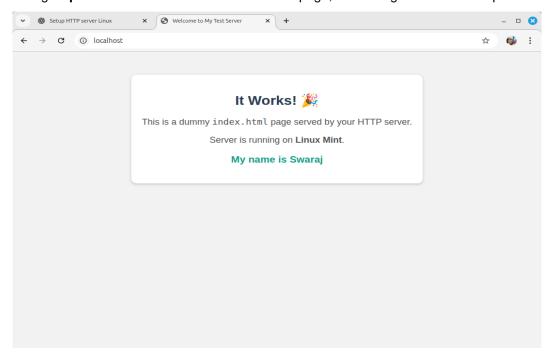
```
raju@rajuLenovo-Product-

GAU nano 7.2

[OSUTIVE INSTITUTE OF THE PRODUCT OF THE
```

Step 8: Final Output

Refreshing http://localhost/ showed our customized page, confirming successful setup.



Conclusion

In this practical, we successfully installed and configured Apache2 on Linux Mint. We verified the service status, tested the default page, and replaced it with a custom HTML page that displayed personalized content. This demonstrates the basic setup and usage of an HTTP server in Linux.