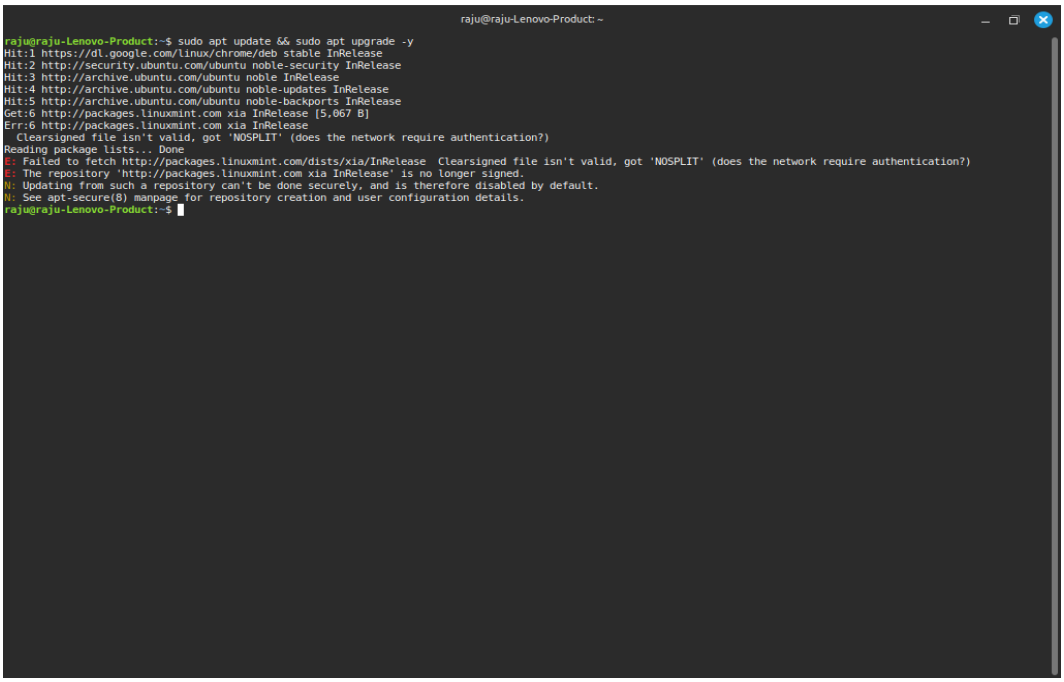
Practical Report: Setting up HTTP Server on Linux Mint

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.

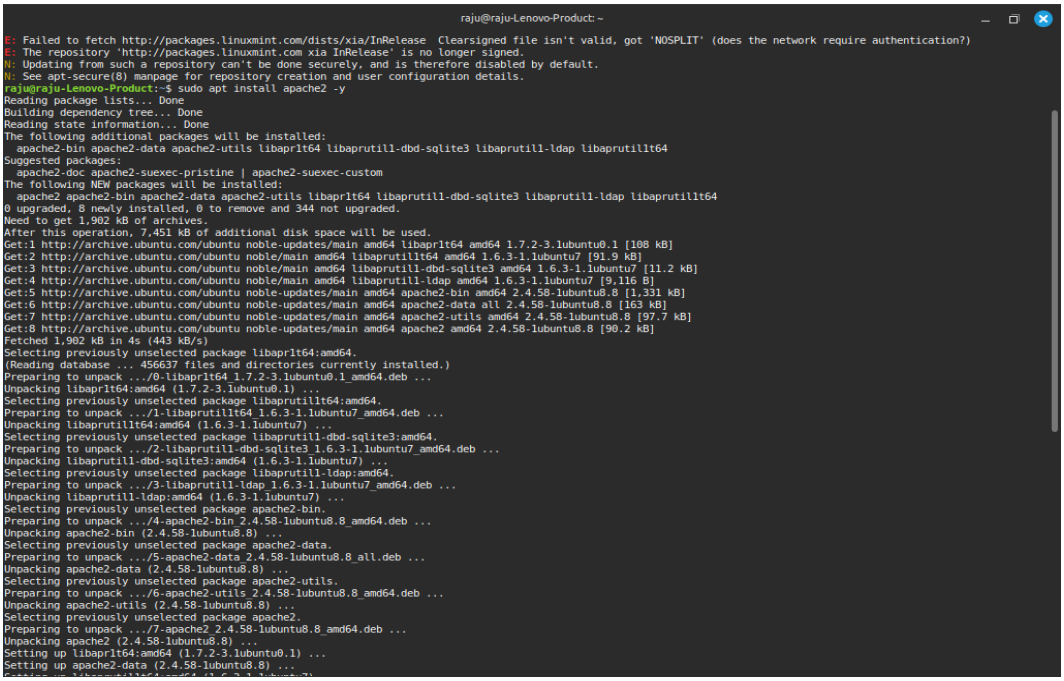
Step 1: Updating and Upgrading the System

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.



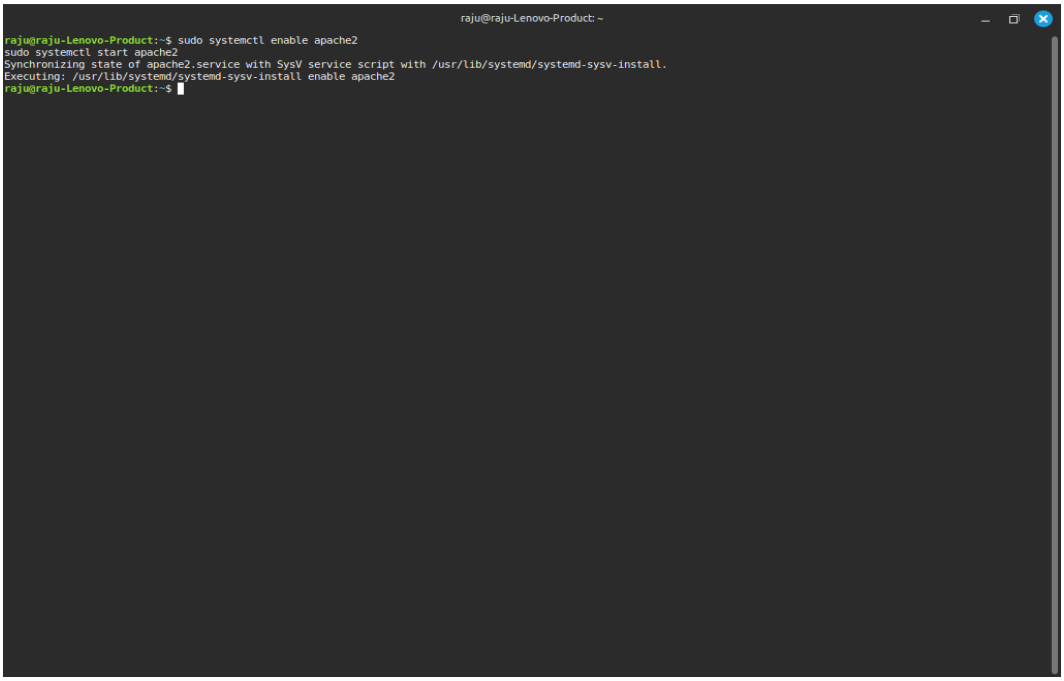
Step 2: Installing Apache2

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



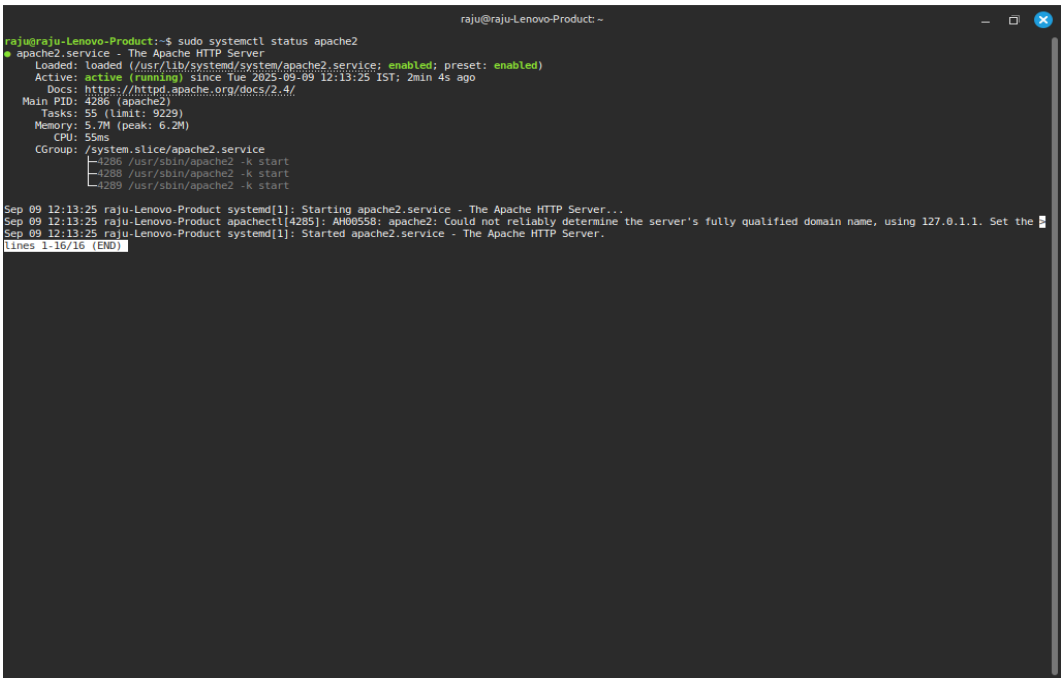
Step 3: Enabling and Starting Apache2 Service

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



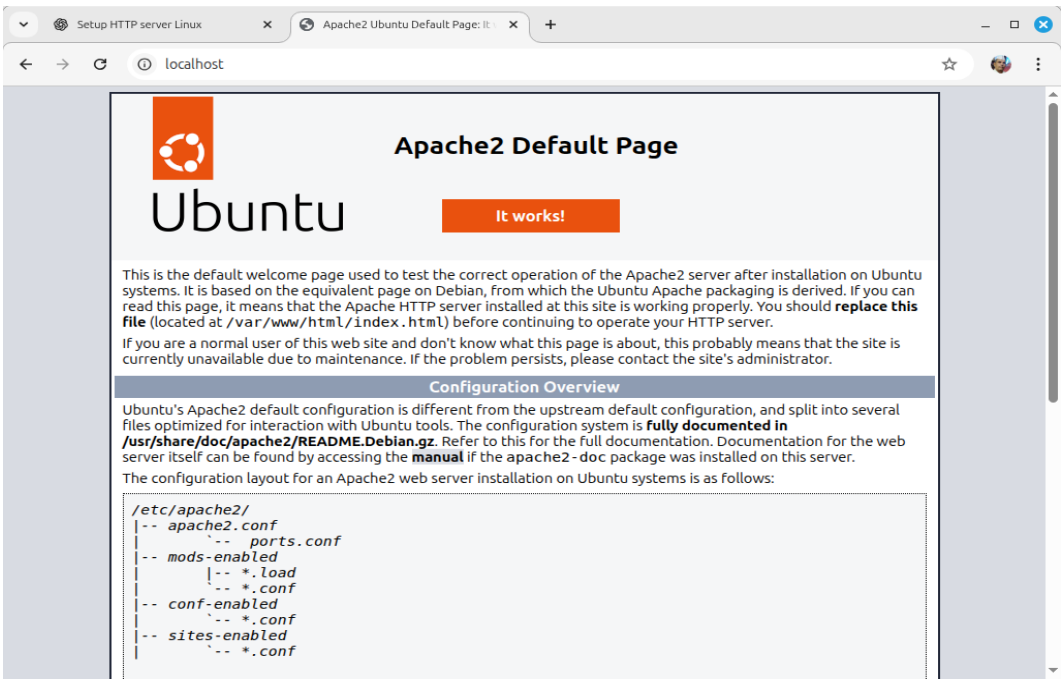
Step 4: Checking Apache2 Service Status

We confirmed Apache2 was running with:
sudo systemctl status apache2
The service was active and running.



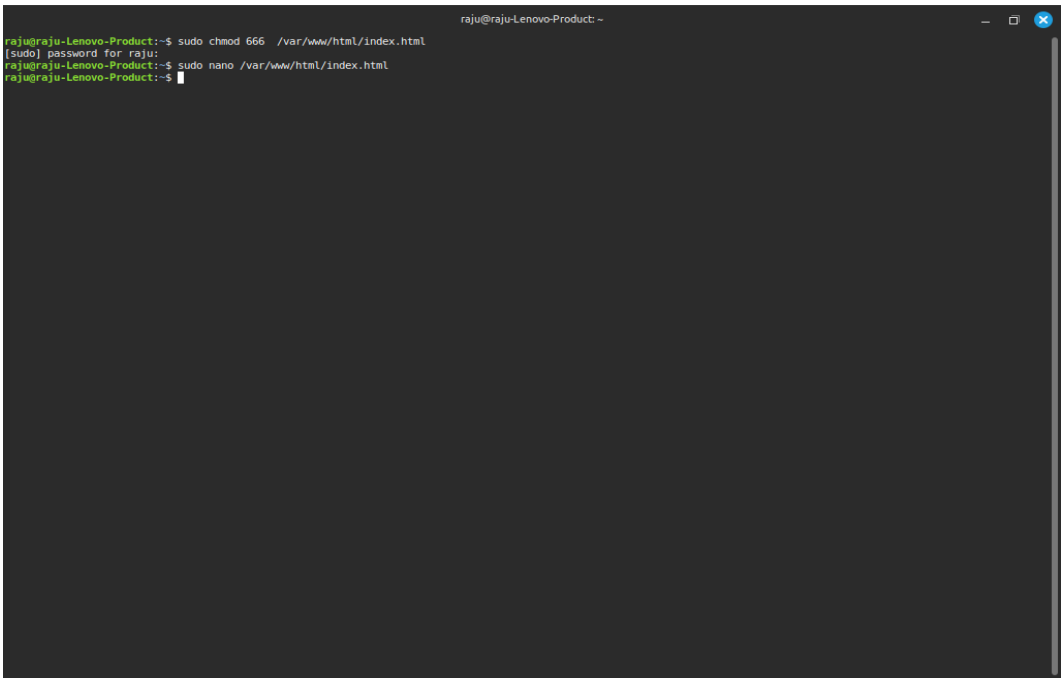
Step 5: Testing Default Apache Page

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

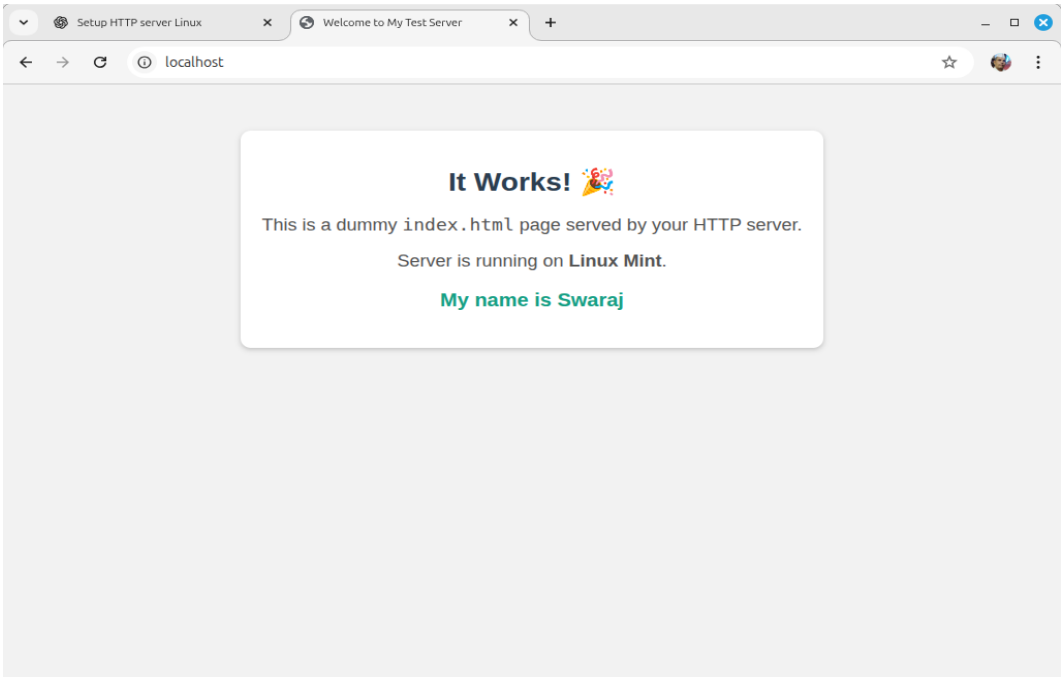


Step 7: Adding Custom HTML Content

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

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.