

**Placement Empowerment Program**

***Cloud Computing and DevOps Centre***

# POC 1: HOST A STATIC WEBSITE LOCALLY

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# Introduction

Hosting a website on Apache means utilizing the Apache HTTP Server, a free and open-source software, to serve your website content on the internet, allowing users to access your site by sending requests to the server which then delivers the webpage data

# Overview

Open-source nature:

Apache is freely available to use and can be customized by developers, making it a popular choice for website hosting.

Functionality:

When a user visits your website, their request is sent to the Apache server, which then retrieves the corresponding files from your website directory and sends them back to the user's browser.

Configuration flexibility:

You can configure Apache to manage different domains, set security measures, handle different file types, and optimize performance for your specific needs.

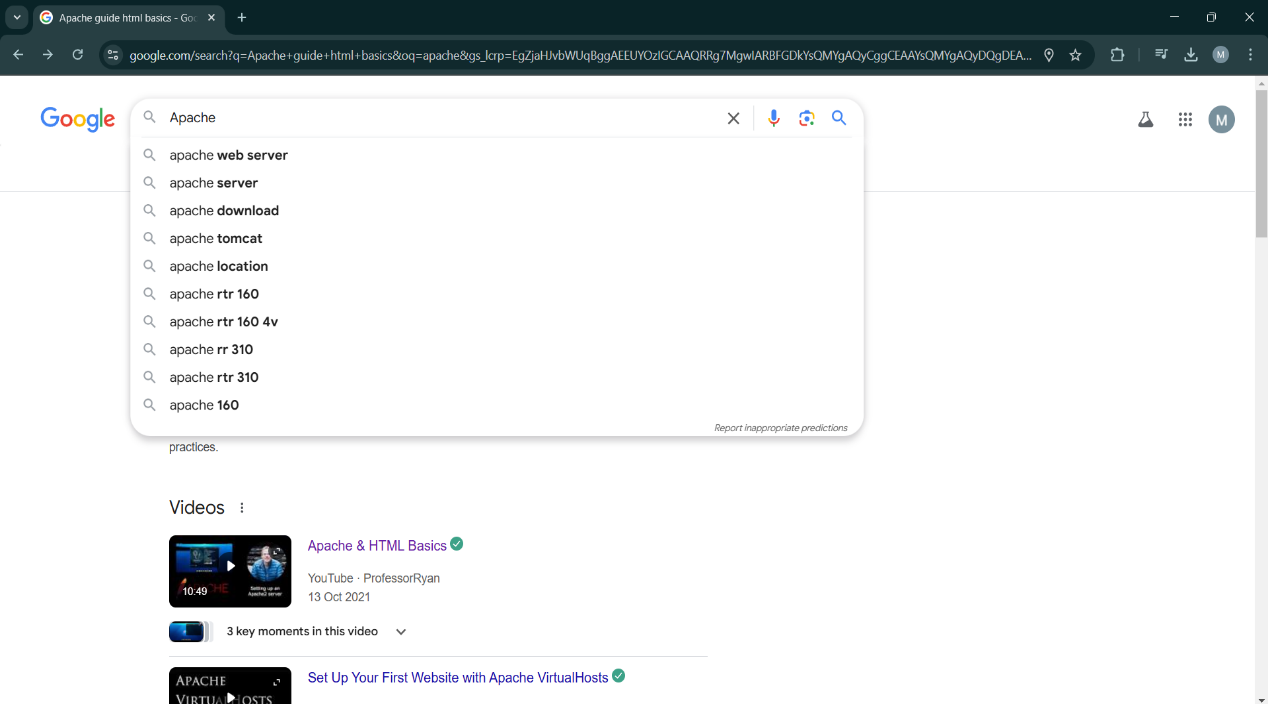
LAMP stack:

Apache often works in conjunction with Linux operating system, MySQL database, and PHP scripting language, forming the widely used "LAMP" stack for web development.

# Step-by-Step Overview

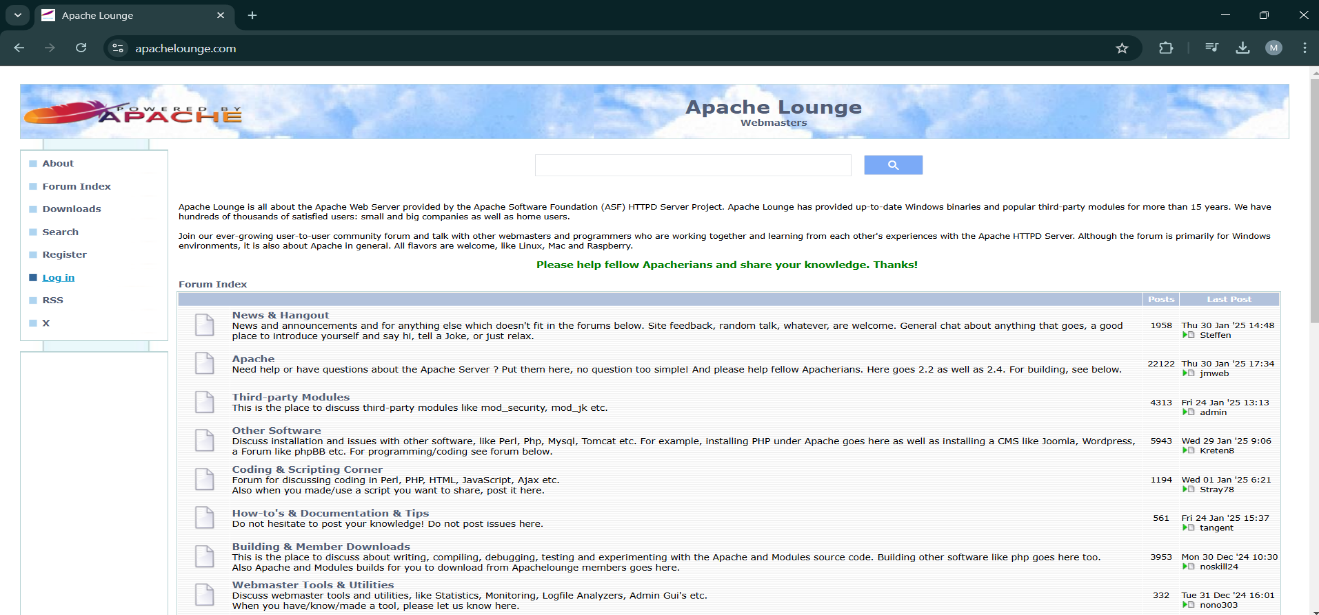
## Step 1

Go to google and search “apache”



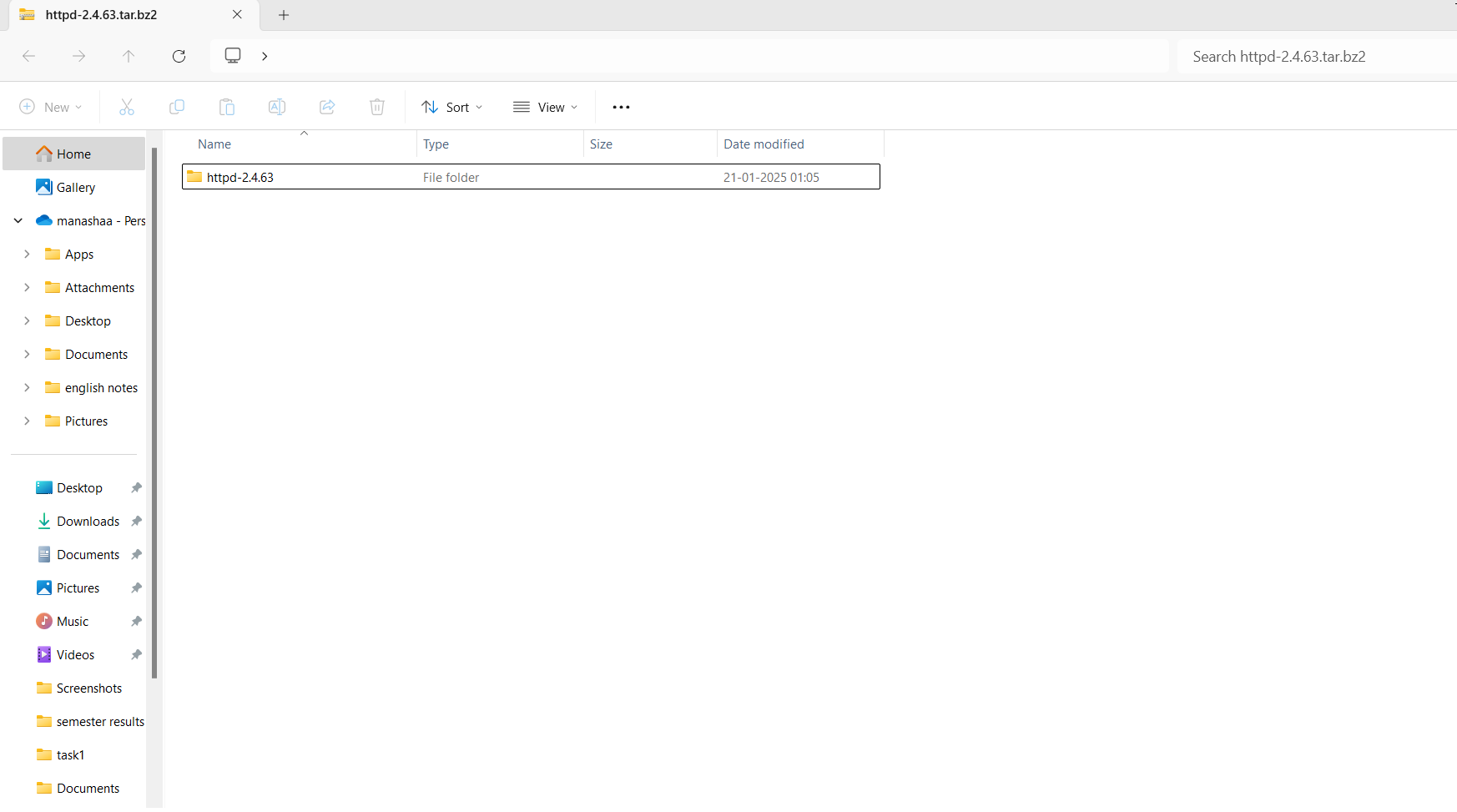
## Step 2

Go to the apache website and download it for your OS



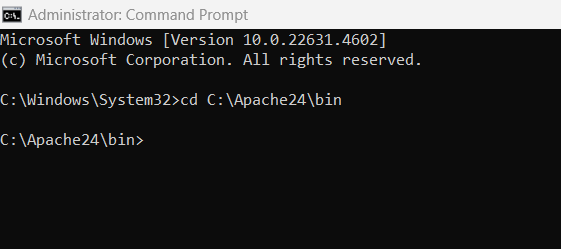
## Step 3 :

Open the downloaded folder



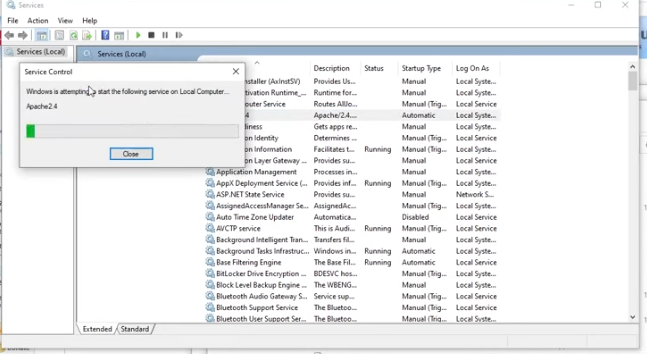
## Step 4

Open command prompt and type the following instructions 1. Cd C:\Apache24\bin 2.>httpd -k install these will install the apache



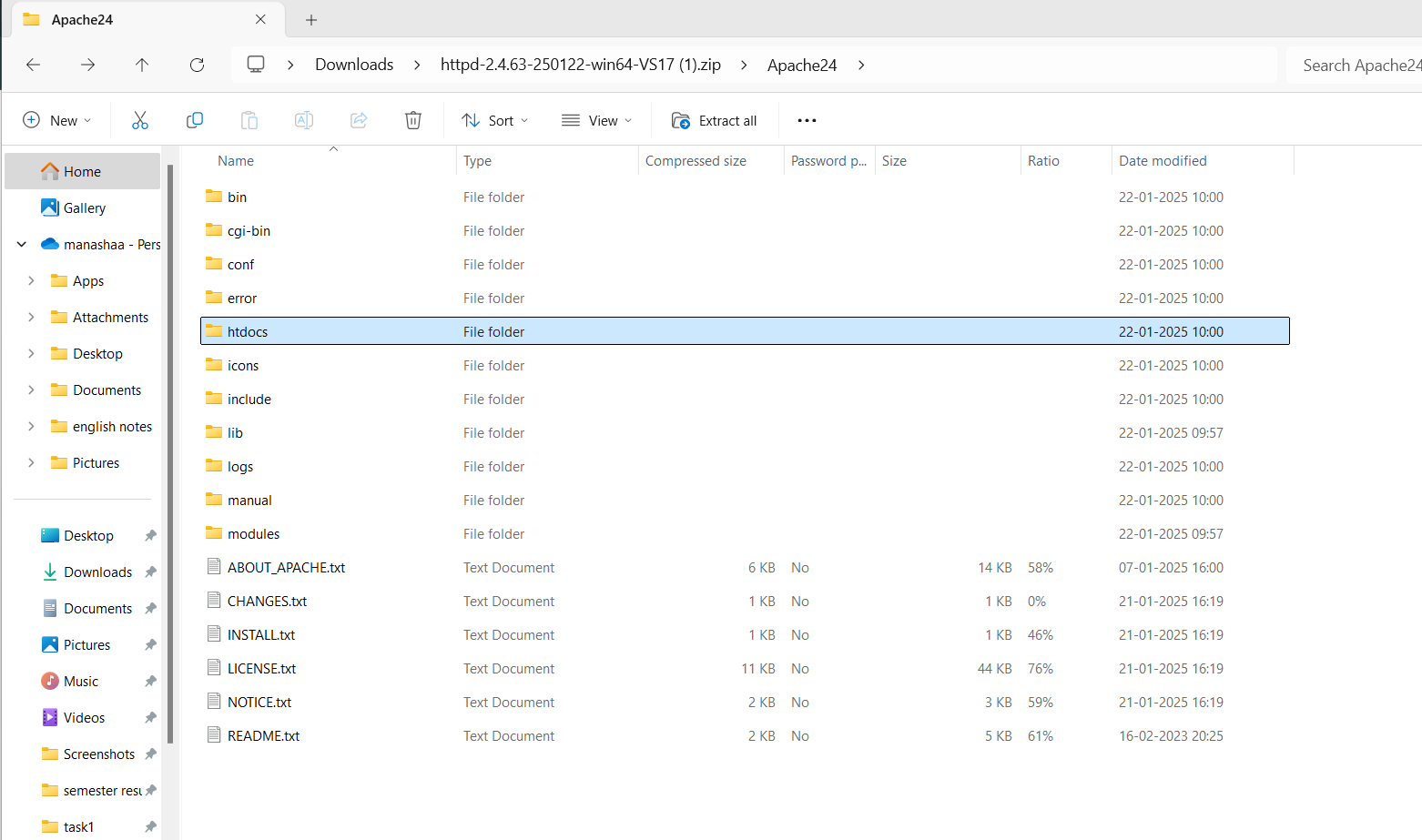
## Step 5

Open services and click on apachae and select run



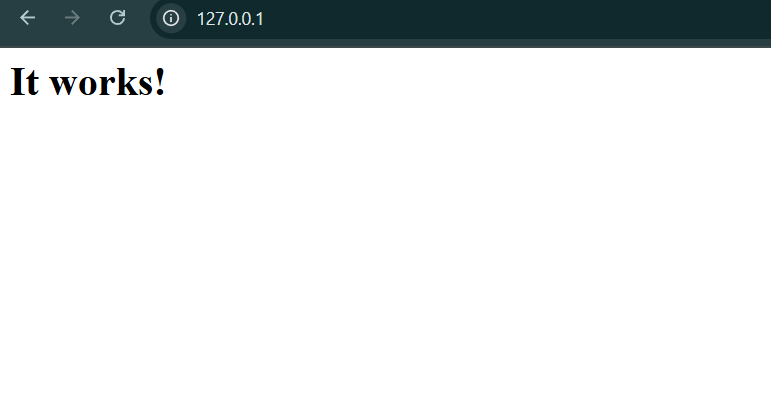
## Step 6

Open htdocs



## Step 7

Type the html code and host a website



# Outcome

Hosting a website on Apache results in a highly reliable, flexible, and customizable web server capable of handling large amounts of traffic, with key benefits including: extensive module support, a large community for troubleshooting, robust security features, and the ability to host multiple websites on a single server through virtual hosting capabilities