

Placement Empowerment Program

Cloud Computing and DevOps Centre

Host a Static Website Locally using apache

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PoC: Hosting a Website Using Apache on Windows

Step 1: Download Apache

- Download the latest version of Apache for Windows from [Apache Lounge](https://apachelounge.com/download/).

Extract the downloaded .zip file to C:\Apache24 (or any preferred location without spaces).

The screenshot shows the Apache Lounge website's download page for Apache 2.4 VS17 Windows Binaries and Modules. The page includes a navigation menu on the left with links to Home, VS17, and Additional. A sidebar on the left lists recent updates with dates and versions. The main content area provides detailed information about the binaries, including their compatibility with Windows versions (7 SP1, Vista SP2, 8/8.1, 10, 11 Server 2008 SP2 / R2 SP1, Server 2012 / R2, Server 2016/2019/2022). It also mentions that the binaries are built with the latest Windows Visual Studio C++ 2022 aka VS17. A section titled 'Apache 2.4 binaries VS17' lists two download links: 'Apache 2.4.63-250122 Win64' and 'Apache 2.4.63-250122 Win32'. Each link includes a PGP Signature (Public PGP key), SHA1-SHA512 Checksums, and a date. Below the download links, there is a note about verifying the download using PGP signatures and SHA checksums. At the bottom, there is a section for 'Apache 2.4 modules VS17' listing 'mod_jk' as a Tomcat connector. A 'Donate' button is visible in the bottom left corner.

Step 2: Configure Apache

Copy the Apache file into your os(c)

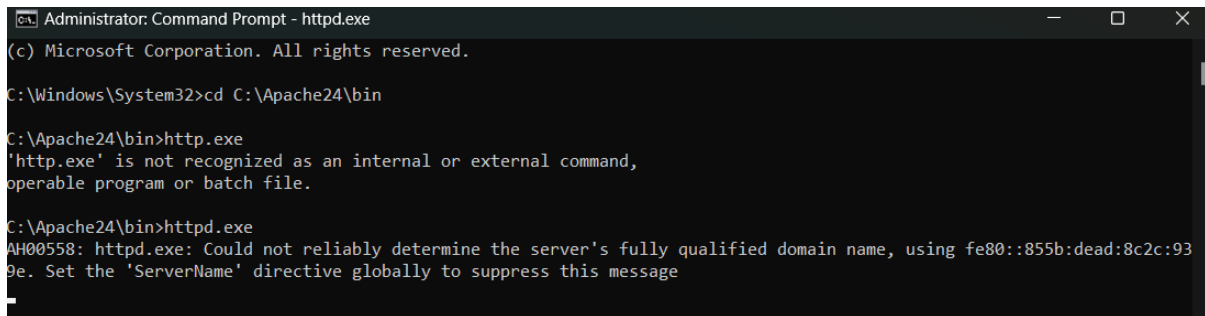
Step 3: Start Apache

- Open **Command Prompt** as Administrator.

- Navigate to the Apache bin directory and start Apache: `cd C:\Apache24\bin`

httpd.exe

- Then run the following commands in your cmd



```
Administrator: Command Prompt - httpd.exe
(c) Microsoft Corporation. All rights reserved.

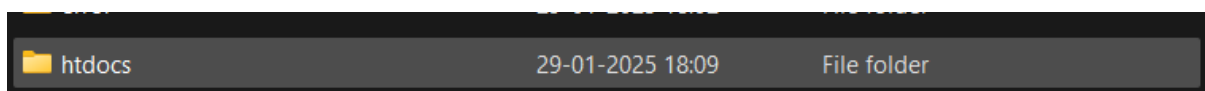
C:\Windows\System32>cd C:\Apache24\bin

C:\Apache24\bin>http.exe
'http.exe' is not recognized as an internal or external command,
operable program or batch file.

C:\Apache24\bin>httpd.exe
AH00558: httpd.exe: Could not reliably determine the server's fully qualified domain name, using fe80::855b:dead:8c2c:939e. Set the 'ServerName' directive globally to suppress this message
```

Step 4: Place Your Website Files

- Copy your website files (HTML, CSS, JavaScript, etc.) to the `C:\Apache24\htdocs` directory.



Step 5: Test the Website

- Open a web browser and go to <http://localhost>. Your website should be displayed.

