



St. JOSEPH'S
GROUP OF INSTITUTIONS
OMR, CHENNAI - 119



Placement Empowerment Program

Cloud Computing and DevOps Centre

Host a Static Website Locally
Set up a local server (Apache or Nginx) and host a simple HTML page with your name.

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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](#).

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

The screenshot shows the Apache Lounge website, which provides Windows binaries and modules for Apache 2.4. The page is titled "Apache 2.4 VS17 Windows Binaries and Modules". It includes a sidebar with navigation links (Home, VS17, Additional) and a list of recent updates. The main content area provides information about the binaries, including their build process and compatibility. It lists two download links for Apache 2.4.63-250122 Win64 and Win32, each with a PGP signature and SHA1-SHA512 checksums. A note mentions that VS17 Win32 modules (like mod_fcgid) use VS16 ones at VS16 Win32 modules. A "mod_jk" section mentions Tomcat connector.

Apache Lounge
Webmasters

Apache 2.4 VS17 Windows Binaries and Modules

Apache Lounge has provided up-to-date Windows binaries and popular third-party modules for more than 15 years. We have hundreds of thousands of satisfied users: small and big companies as well as home users. Always build with up to date dependencies and latest compilers, and tested thorough. The binaries are referenced by the ASF, Microsoft, PHP etc. and more and more software is packaged with our binaries and modules.

The binaries, are build with the sources from ASF at <http://httpd.apache.org>, contains the latest patches and latest dependencies like zlib, openssl etc. which makes the downloads here mostly more actual then downloads from other places. The binaries **do not run** on XP and 2003. Runs on: 7 SP1, Vista SP2, 8/8.1, 10, 11 Server 2008 SP2 / R2 SP1, Server 2012 / R2, Server 2016/2019/2022.

Build with the latest Windows Visual Studio C++ 2022 aka VS17. Has improvements, fixes and optimizations over VS16 in areas like Performance, MemoryManagement, New standard conformance features, Code generation and Stability. For example code quality tuning and improvements done across different code generation areas for "speed". And makes more use of latest processors and supported Windows editions (win7 and up) internal features.

VS17 is backward compatible, That means, a VS16/15/14 module can be used inside the VS17 binary.

Be sure you installed latest 14.42.34433.0 Visual C++ Redistributable Visual Studio 2015-2022 : [vc_redist_x64](#) or [vc_redist_x86](#) see [Redistributable](#)

Apache 2.4 binaries VS17

[Info & Changelog](#)

Apache 2.4.63-250122 Win64

22 Jan '25 11.787k
[httpd-2.4.63-250122-win64-vs17.zip](#)
 PGP Signature (Public PGP key), SHA1-SHA512 Checksums

Apache 2.4.63-250122 Win32

22 Jan '25 10.589k
[httpd-2.4.63-250122-win32-vs17.zip](#)
 PGP Signature (Public PGP key), SHA1-SHA512 Checksums

To be sure that a download is intact and has not been tampered with, use PGP, see [PGP Signature](#)

Apache 2.4 modules VS17

Mail for the PGP signatures and/or SHA checksums to verify the contents of a file.

Note: VS17 Win32 modules (like mod_fcgid) use VS16 ones at VS16 Win32 modules

mod_jk
 Tomcat connector

Keep Server Online
 If you find the downloads useful, please express your satisfaction with a donation.
[Donate](#)

Step 2: Configure Apache

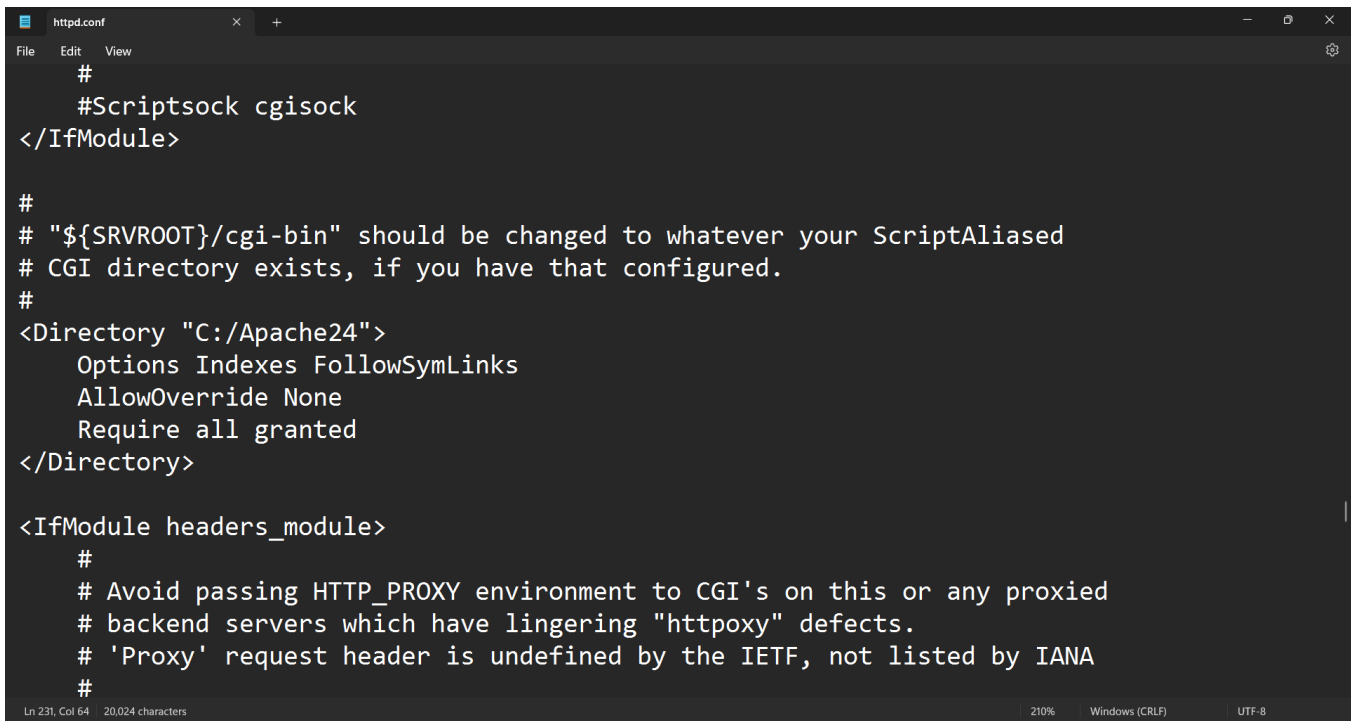
- Open C:\Apache24\conf\httpd.conf in a text editor.
- Update the following directives:
 - Set the installation directory: ServerRoot "C:/Apache24"

```
httpd.conf
File Edit View
# configuration, error, and log files are kept.
#
# Do not add a slash at the end of the directory path. If you point
# ServerRoot at a non-local disk, be sure to specify a local disk on the
# Mutex directive, if file-based mutexes are used. If you wish to share the
# same ServerRoot for multiple httpd daemons, you will need to change at
# least PidFile.
#
Define SRVROOT "C:/Apache24"

ServerRoot "C:/Apache24"

#
# Mutex: Allows you to set the mutex mechanism and mutex file directory
# for individual mutexes, or change the global defaults
#
# Uncomment and change the directory if mutexes are file-based and the default
# mutex file directory is not on a local disk or is not appropriate for some
# other reason.
#
# Mutex default:logs
Ln 231, Col 64 20,024 characters 200% Windows (CRLF) UTF-8
```

- Set the website root directory: DocumentRoot
"C:/Apache24/htdocs"
<Directory "C:/Apache24/htdocs">
Options Indexes FollowSymLinks
AllowOverride None
Require all granted
</Directory>

A screenshot of a text editor window titled 'httpd.conf'. The editor has a menu bar with 'File', 'Edit', and 'View'. The content of the file is as follows:

```
#
#Scriptsock cgisock
</IfModule>

#
# "${SRVROOT}/cgi-bin" should be changed to whatever your ScriptAliased
# CGI directory exists, if you have that configured.
#
<Directory "C:/Apache24">
    Options Indexes FollowSymLinks
    AllowOverride None
    Require all granted
</Directory>

<IfModule headers_module>
    #
    # Avoid passing HTTP_PROXY environment to CGI's on this or any proxied
    # backend servers which have lingering "httproxy" defects.
    # 'Proxy' request header is undefined by the IETF, not listed by IANA
    #
```

The status bar at the bottom shows 'Ln 231, Col 64', '20,024 characters', '210%', 'Windows (CRLF)', and 'UTF-8'.

Step 3: Add Apache to the System Path (Optional)

- Add C:\Apache24\bin to your system's PATH environment variable. This allows you to run Apache commands from any terminal.

Step 4: Start Apache

- Open **Command Prompt** as Administrator.
- Navigate to the Apache bin directory and start Apache:

```
cd C:\Apache24\bin
httpd.exe
```

Step 5: Configure Windows Firewall

- Open **Control Panel > System and Security > Windows Defender Firewall > Allow an app through Windows Firewall**.

- Allow `httpd.exe` through the firewall for both **private** and **public** networks.

Step 6: Place Your Website Files

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

Step 7: Test the Website

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



Welcome to My Simple HTML Page

This is a paragraph of text that describes something cool!