

# Apache로 서버 구축

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# 1. Apache 윈도우, 리눅스 설치

# Apache 윈도우 설치 1

**Apache Lounge**  
Webmasters

Apache Lounge is all about the Apache Web Server provided by the Apache Software Foundation (ASF) HTTPD Server Project. 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.

Join our ever-growing user-to-user community forum and talk with other webmasters and programmers who are working together and learning from each other's experiences with the Apache HTTPD Server. Although the forum is primarily for Windows environments, it is also about Apache in general. All flavors are welcome, like Linux, Mac and Raspberry.

Please help fellow Apacherians and share your knowledge. Thanks!


Forum Index

|  | Posts | Last Post                              |
|--|-------|--|
| <b>News &amp; Hangout</b><br>News and announcements and for anything else which doesn't fit in the forums below. Site feedback, random talk, whatever, are welcome. General chat about anything that goes, a good place to introduce yourself and say hi, tell a Joke, or just relax.                                  | 1572  | Wed 02 Apr '25 9:50<br>KJ Staffen      |
| <b>Apache</b><br>Need help or have questions about the Apache Server? Put them here, no question too simple! And please help fellow Apacherians. Here goes 2.2 as well as 2.4. For building, see below.  | 22253 | Tue 22 Apr '25 21:48<br>KJ tangent     |
| <b>Third-party Modules</b><br>This is the place to discuss third-party modules like mod_security, mod_jk etc.  | 4356  | Thu 24 Apr '25 10:17<br>KJ Otomatic    |
| <b>Other Software</b><br>Discuss installation and issues with other software, like Perl, Php, MySQL, Tomcat etc. For example, installing PHP under Apache goes here as well as installing a CMS like Joomla, Wordpress, a Forum like phpBB etc. For programming/coding see forum below.                                | 5948  | Tue 18 Mar '25 9:38<br>KJ Otomatic     |
| <b>Coding &amp; Scripting Corner</b><br>Forum for discussing coding in Perl, PHP, HTML, JavaScript, Ajax etc. Also when you made use a script you want to share, post it here.   | 1194  | Wed 01 Jan '25 6:21<br>KJ Bray78       |
| <b>How-to's &amp; Documentation &amp; Tips</b><br>Do not hesitate to post your knowledge! Do not post issues here.   | 572   | Tue 08 Apr '25 20:29<br>KJ tangent     |
| <b>Building &amp; Member Downloads</b><br>This is the place to discuss about writing, compiling, debugging, testing and experimenting with the Apache and Modules source code. Building other software like php goes here too. Also Apache and Modules builds for you to download from Apachelounge members goes here. | 3953  | Mon 30 Dec '24 10:30<br>KJ nosk124     |
| <b>Webmaster Tools &amp; Utilities</b><br>Discuss webmaster tools and utilities, like Statistics, Monitoring, Logfile Analyzers, Admin Gui's etc. When you have/know/made a tool, please let us know here.   | 336   | Sun 23 Mar '25 16:28<br>KJ nana303     |
| <b>Hardware &amp; Networking</b><br>This is the place to discuss Hardware and Network related.   | 663   | Tue 26 Nov '24 12:45<br>KJ James Blong |

Apache Lounge를 검색하여  
홈페이지에 접속

Download 클릭

# Apache 윈도우 설치 2



## 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 through. 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 14.42.34438.0 Visual C++ Redistributable Visual Studio 2015-2022 : [vc\\_redist\\_x64](#) or [vc\\_redist\\_x86](#) see [Redistributable](#)

### Apache 2.4 binaries VS17

[Info & Changelog](#)


#### Apache 2.4.63-250207 Win64

[httpd-2.4.63-250207-win64-vs17.zip](#) 07 Feb '25 11:723K  
[PGP Signature \(Public PGP key\)](#), [SHA1-SHA512 Checksums](#)

#### Apache 2.4.63-250207 Win32

[httpd-2.4.63-250207-win32-vs17.zip](#) 07 Feb '25 10:549K  
[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](#)



이 게임은 중독성이 강합니다 - 지금 바로 체험해 보세요!

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[PLAY NOW](#)

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

Home

VS17

Additional

**NEW**

03 March 2025  
New C++ Redistributable

28 February 2025  
mod\_evasive Update

07 February 2025  
[httpd 2.4.63 Fix Crash Windows7](#), see [here](#)

23 January 2025  
[httpd 2.4.63](#)

17 November 2024  
New C++ Redistributable

06 November 2024  
mod\_security Update

21 October 2024  
mod\_evasive Update

18 October 2024  
Libcurl update, see [here](#)

04 September 2024  
[httpd 2.4.62 update](#)

13 August 2024  
mod\_jk Update

18 July 2024  
[httpd 2.4.62](#)

사용자의 컴퓨터에 맞는 버전의 Apache를 다운로드 후 압축을 해제한다.

# Apache

우리가 사용하는 것은 Binary!

## Binary

정의: Apache 웹 서버 프로그램 자체를 의미  
예: httpd, apache2 실행 파일

- 형태: 컴파일되어 실행 가능한 바이너리 파일.
- 역할: 웹 서버의 핵심 실행 파일로, 클라이언트 요청을 처리하고, 설정에 따라 동작합니다.

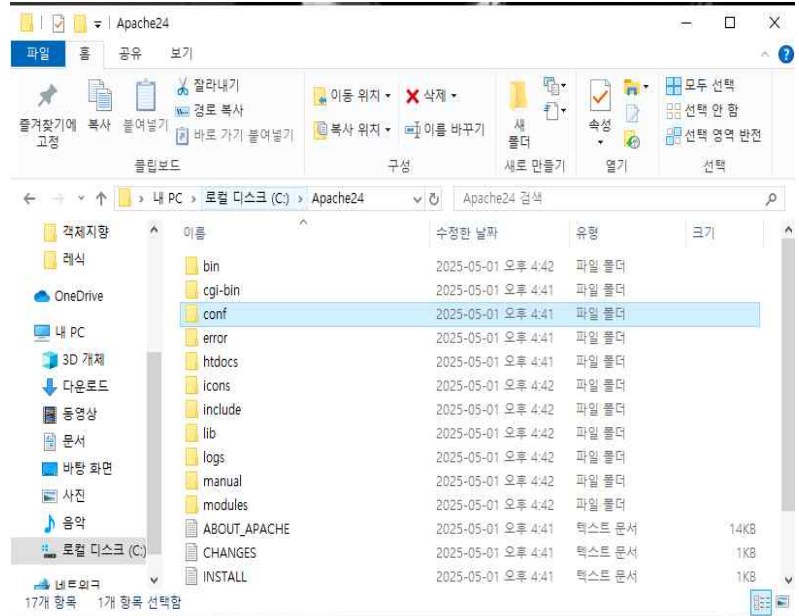
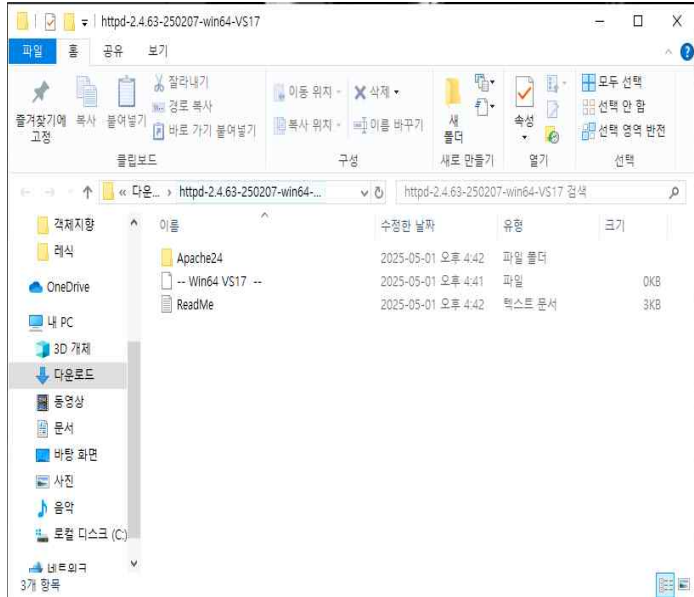


## Module

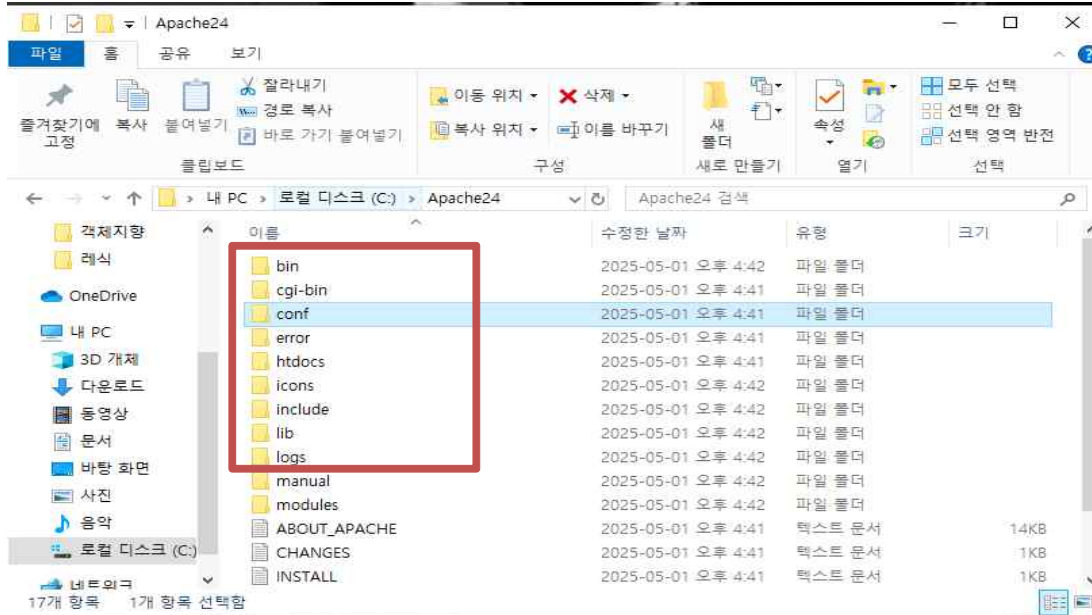
정의: Apache 서버에 기능을 추가하는 플러그인 형태의 확장 컴포넌트.

- 형태: .so 형식의 공유 라이브러리 (Shared Object)
- 역할: Apache Binary가 로딩하여 기능을 확장함. 필요 시 httpd.conf나 mods-enabled/ 디렉터리 등을 통해 활성화.

# Apache 윈도우 설치 3



# 폴더 설명



1. bin  
아파치 실행관련 파일

2. conf  
아파치 설정 관련 파일

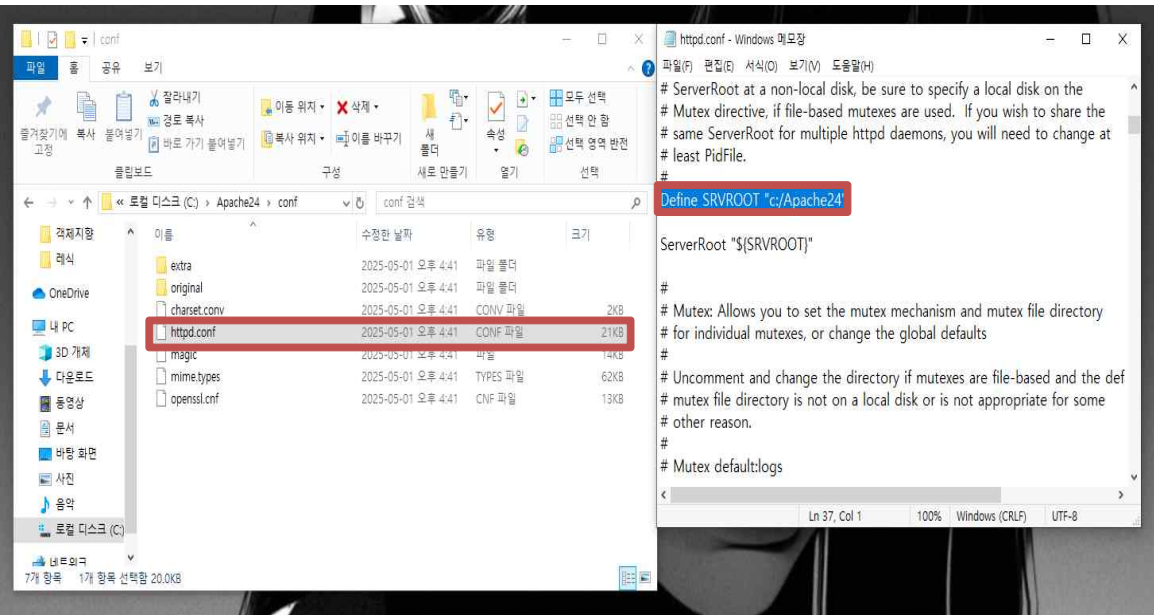
3. htdocs  
정적인 파일

4. logs  
아파치 관련 로그 파일

5. moduls  
모듈 관련 파일



# Apache 윈도우 설치 4



1. Apache24/conf로 이동
2. http.conf 실행
3. Defing SRVROOT를  
"c:/Apache24"로 설정

\* "Ctrl + F"로 검색 가능

# Apache 윈도우 설치 5

httpd.conf - Windows 메모장

파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)

```
# e-mailed. This address appears on some server-generated pages, such
# as error documents. e.g. admin@your-domain.com
```

```
#
ServerAdmin admin@example.com
```

```
#
# ServerName gives the name and port that the server uses to identify itself.
# This can often be determined automatically, but we recommend you specify
# it explicitly to prevent problems during startup.
```

```
# If your host doesn't have a registered DNS name, enter its IP address here.
```

```
ServerName localhost
```

```
#
# Deny access to the entirety of your server's filesystem. You must
# explicitly permit access to web content directories in other
# <Directory> blocks below.
```

```
<#
```

Ln 227, Col 1

100%

Windows (CRLF)

UTF-8

httpd.conf - Windows 메모장

파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)

```
# Mutex default:logs
```

```
#
# Listen: Allows you to bind Apache to specific IP addresses and/or
# ports, instead of the default. See also the <VirtualHost>
# directive.
```

```
# Change this to Listen on specific IP addresses as shown below to
# prevent Apache from glomming onto all bound IP addresses.
```

```
#Listen 12.34.56.78:80
```

```
#사용할 포트번호|
Listen 32323
```

```
#
# Dynamic Shared Object (DSO) Support
```

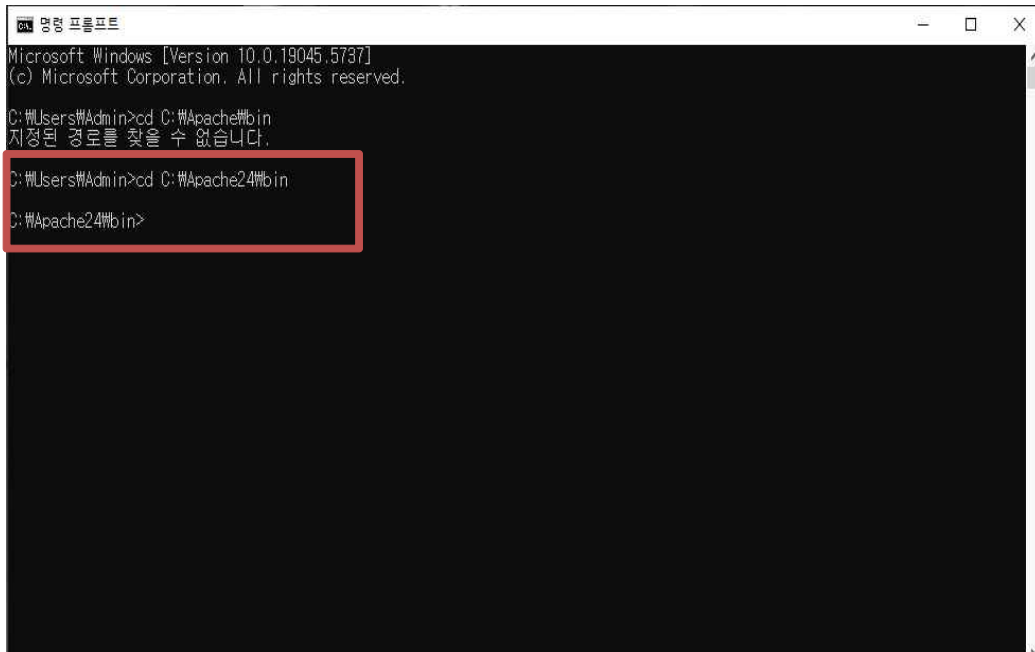
```
# To be able to use the functionality of a module which was built as a DSO you
# have to place corresponding 'LoadModule' lines at this location so the
# directives contained in it are actually available _before_ they are used.
# Statically compiled modules (those listed by 'httpd -l') do not need
# to be loaded here.
```

Ln 61, Col 10

오류 방지를 위해서 #  
ServerName  
www.example.com:80 으로  
주석 처리가 돼 있는데 주석  
처리를 풀고 ServerName  
localhost 로 바꾸는게 좋다.

Listen을 80으로 놔두면 http  
포트라서 그냥 localhost로  
접근이 가능하다.

# Apache 윈도우 설치 6



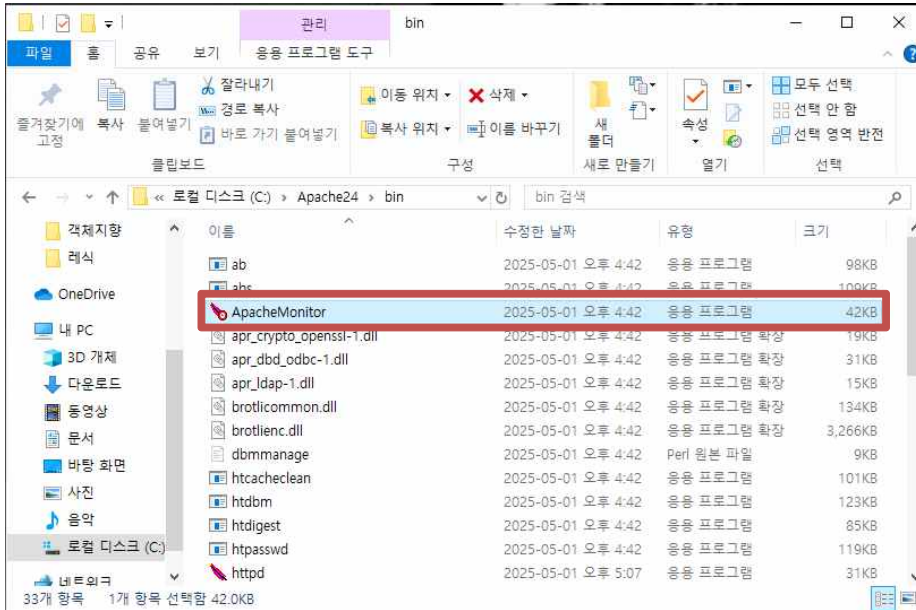
```
명령 프롬프트
Microsoft Windows [Version 10.0.19045.5737]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Admin>cd C:\Apache\bin
지정된 경로를 찾을 수 없습니다.

C:\Users\Admin>cd C:\Apache24\bin
C:\Apache24\bin>
```

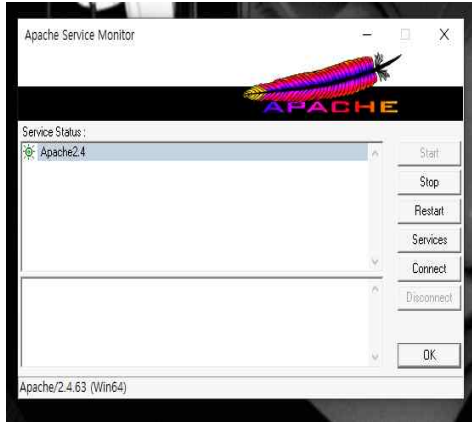
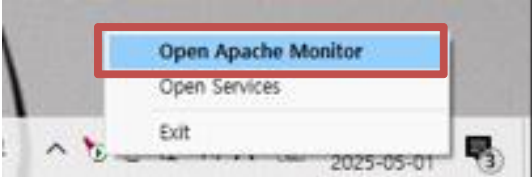
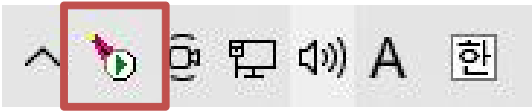
관리자 권한으로 cmd 실행  
"cd C:\Apache24\bin"  
"httpd.exe -k install" 입력

# Apache 윈도우 설치 7



c:\Apache24\bin 폴더로 가서  
ApacheMonitor.exe 를 실행

# Apache 윈도우 설치 8



Monitor 실행 후 Start 클릭

# Apache 윈도우 설치 9



**It works!**

http://localhost/ 또는  
http://localhost/ 으로  
접속하면 "It works!" 가 화면에  
출력되며 서버가 작동

# Apache 우분투 설치

우분투 아파치 설치

`sudo apt update` ( apt 패키지 업데이트 )

`sudo apt install apache2` ( apache 설치 )

`sudo systemctl enable apache2` ( 서버를 백그라운드로 돌아가게 서비스 등록 )

`sudo systemctl start apache2` ( apache 서버 실행 )

서버 로그 위치 ( ※ 접근 할 때, `sudo`로 접근 해야 함)

접근 로그

`/var/log/apache2/access.log`

에러 로그

`/var/log/apache2/error.log`

