

XAMPP Introduction

XAMPP is a free and open source cross-platform web server solution package consisting of the above features. It is a free web server capable of serving dynamic web pages.

XAMPP is an acronym and stands for:

- ❖ **X**: means cross-platform, it can run on many different operating systems which are Windows, Linux, Solaris...
- ❖ **A**: The Apache HTTP Server. This is the web server that is used to run the web application.
- ❖ **M**: MySQL. This is a database management system that provides multi-user access to a number of databases.
- ❖ **P**: PHP. A programming language for the creation of dynamic web pages.
- ❖ **P**: Perl. A high-level programming language.


In addition, Xampp includes other modules such as OpenSSL, phpMyAdmin (a web-base tool to manage MySql databases),...

XAMPP Version 1.7.3

- ✓ Apache 2.2.14 (IPV6 enabled)
- ✓ MySQL 5.1.41
- ✓ PHP 5.3.1
- ✓ Perl 5.10.1

Basic Apache configuration

1. Change the Web Root folder (Default: C:\xampp\htdocs)

1. Find and open the file: httpd.conf (Default: C:\xampp\apache\conf)
2. Find the line *DocumentRoot* "C:\xampp\htdocs", change the path to whatever you want. 
3. Restart Apache.

2. Enable "Rewrite Mode"

1. Find and open the file: httpd.conf (Default in C:\xampp\apache\conf).
2. Remove the "#" symbol (if yes) before the following line:
"LoadModule rewrite_module modules/mod_rewrite.so".

```
#LoadModule dumpio_module modules/mod_dumpio.so
#LoadModule echo_module modules/mod_echo.so
LoadModule env_module modules/mod_env.so
#LoadModule example_module modules/mod_example.so
#LoadModule expires_module modules/mod_expires.so
#LoadModule ext_filter_module modules/mod_ext_filter.so
#LoadModule file_cache_module modules/mod_file_cache.so
#LoadModule filter_module modules/mod_filter.so
LoadModule headers_module modules/mod_headers.so
#LoadModule ident_module modules/mod_ident.so
#LoadModule imagemap_module modules/mod_imagemap.so
LoadModule include_module modules/mod_include.so
LoadModule info_module modules/mod_info.so
LoadModule isapi_module modules/mod_isapi.so
#LoadModule ldap_module modules/mod_ldap.so
#LoadModule logio_module modules/mod_logio.so
LoadModule log_config_module modules/mod_log_config.so
#LoadModule log_forensic_module modules/mod_log_forensic.so
#LoadModule mem_cache_module modules/mod_mem_cache.so
LoadModule mime_module modules/mod_mime.so
#LoadModule mime_magic_module modules/mod_mime_magic.so
LoadModule negotiation_module modules/mod_negotiation.so
LoadModule proxy_module modules/mod_proxy.so
LoadModule proxy_ajp_module modules/mod_proxy_ajp.so
#LoadModule proxy_balancer_module modules/mod_proxy_balancer.so
#LoadModule proxy_connect_module modules/mod_proxy_connect.so
#LoadModule proxy_ftp_module modules/mod_proxy_ftp.so
#LoadModule proxy_http_module modules/mod_proxy_http.so
LoadModule rewrite_module modules/mod_rewrite.so
LoadModule setenvif_module modules/mod_setenvif.so
#LoadModule spelling_module modules/mod_spelling.so
LoadModule ssl_module modules/mod_ssl.so
LoadModule status_module modules/mod_status.so
#LoadModule substitute_module modules/mod_substitute.so
```

3. Restart Apache.

3. Disable Directory Listings

If you create a directory on your website and do not put an “index.html” file in it, your visitors can get a directory listing of all the files in that folder. For example: you created a directory named “abc” in your web root, you can see everything in that directory by typing <http://localhost/abc/> in your browser. No password or anything is needed.

➤ *Prevent a Directory Listing* by using **One of Three methods** below:

1. Create index file (index.html, index.htm, index.php,...) in every directories on your webserver.

2. Add the following line to “.htaccess” file (place in your web root folder):

Options -Indexes

3. Open httpd.conf file (C:\xampp\apache\conf).

Find the following line:

Options Indexes

Change it to: *Options -Indexes* . Then Restart Apache.