

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.

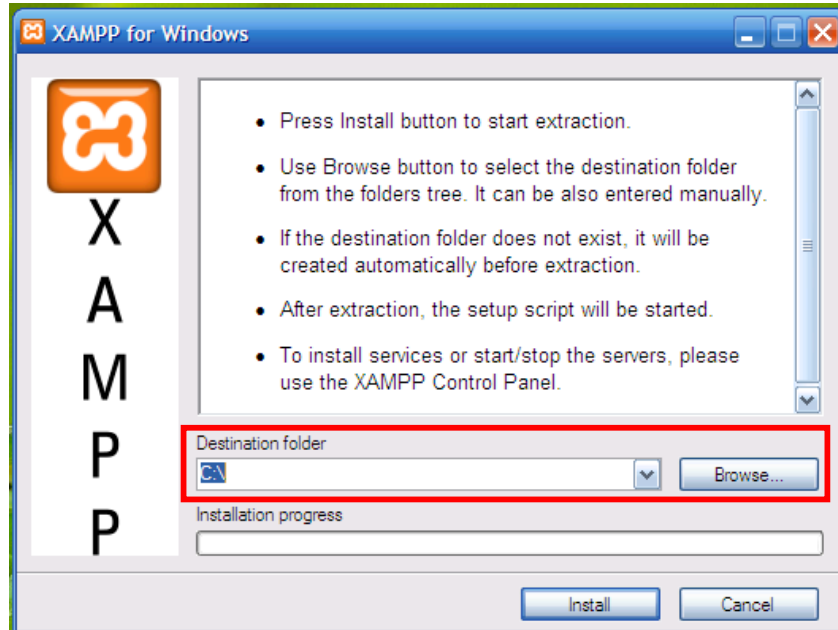
In addition, Xampp includes other modules such as OpenSSL, phpMyAdmin (a web-base tool to manage MySql databases),...

XAMPP Version 1.7.3

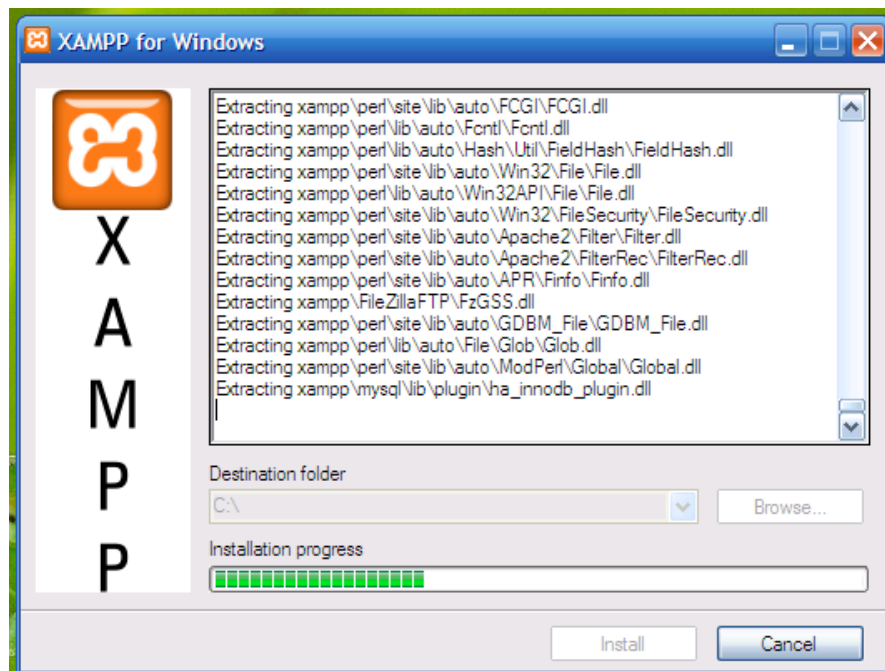
- ✓ Apache 2.2.14 (IPV6 enabled)
- ✓ MySQL 5.1.41
- ✓ PHP 5.3.1
- ✓ Perl 5.10.1

Install XAMPP in Windows

1. Run the setup file: xampp-win32-1.7.3.exe
2. Select installation folder (default is C:\)



3. Click Install button wait for the installation process to complete



4. Pre-configuration for Xampp (Choose default values)

```
C:\WINDOWS\system32\cmd.exe

#####
# XAMPP 1.7.3 - Setup
#
# Copyright 2009 Carsten Wiedmann <FreeBSD License>
#
# Authors: Carsten Wiedmann <carsten_sttgt@gmx.de>
#          Kay Vogelgesang <kvo@apachefriends.org>
#
#####
Should I add shortcuts to the startmenu/desktop? <y/n>: y

C:\WINDOWS\system32\cmd.exe

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#          Kay Vogelgesang <kvo@apachefriends.org>
#
#####
Should I locate the XAMPP paths correctly?
Should I proceed? <y/x=exit setup>: y
```

```
C:\WINDOWS\system32\cmd.exe

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#          Kay Vogelgesang <kvo@apachefriends.org>
#
#####
Should I make a portable XAMPP without drive letters?
NOTE: - You should use drive letters, if you want use services.
      - With USB sticks you must not use drive letters.
Your choice? <y/n>: n

relocating XAMPP...
relocate XAMPP base package
relocate Apache
relocate FileZilla FTP Server
relocate Mercury
relocate MySQL
relocate OpenSSL
relocate Perl
relocate PHP
relocate phpMyAdmin
relocate Sendmail
relocate Webalizer
relocate XAMPP Demopage
relocating XAMPP successful.

XAMPP is ready to use.
Press <Return> to continue:
```

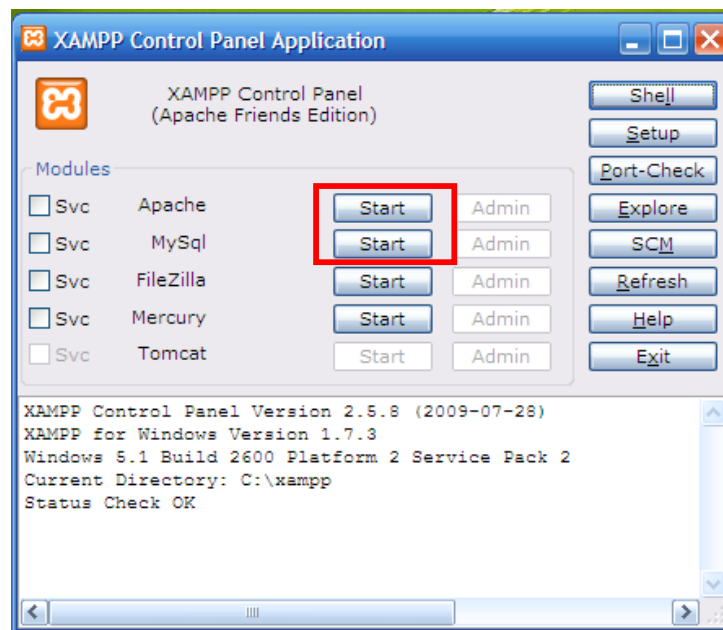
```
C:\WINDOWS\system32\cmd.exe

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#
#####
I have set the timezone in 'php.ini' and 'my.ini' to "Asia/Krasnoyarsk".
You should correct these values if my guess was wrong.
Press <Return> to continue:

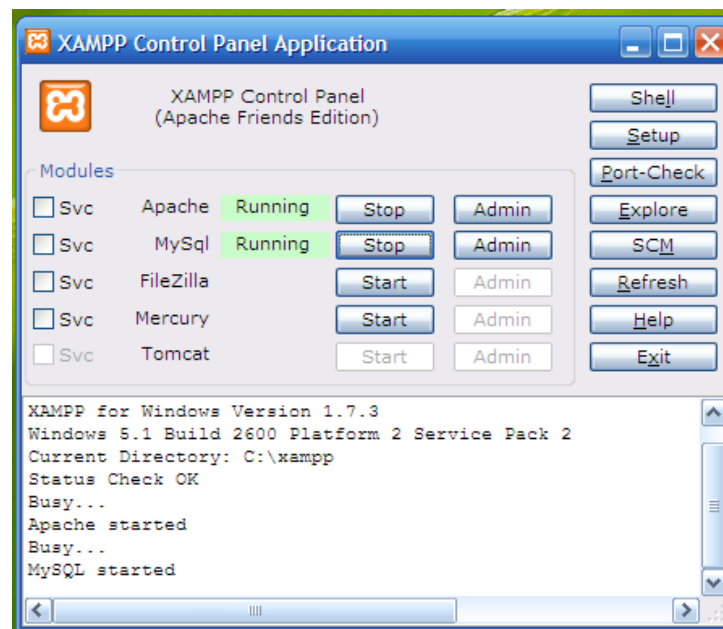
C:\WINDOWS\system32\cmd.exe

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#
#####
1. start XAMPP Control Panel
2. relocate XAMPP
   <current path: C:\xampp>
3. disable HTTPS (SSL)
4. disable Server Side Includes (SSI)
5. enable IPv4 only <current: IPv4/6 (auto)>
6. disable mod_perl
7. disable Apache::ASP
x Exit
Please choose <1-7/x>: 1
```

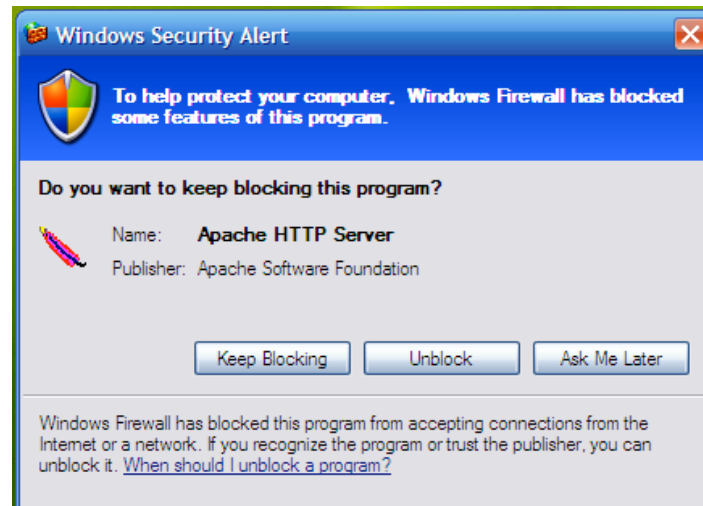
5. Start Xampp, here is the interface



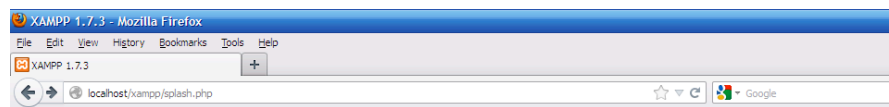
6. Start Apache and MySQL: to run webserver with PHP script and MySQL, click **Start** Apache and MySQL.



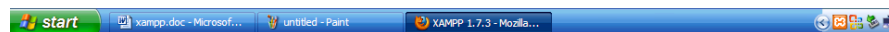
- If you see this alert window below, click **Unblock**



7. Open your web browser, type the address: <http://localhost> .



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8. Create new file "index.html" in the folder C:\xampp\htdocs (Default Web Root folder) which contains HTML code. Then refresh the page <http://localhost> to test your result.

Basic Apache configuration

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

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

2. Enable .htaccess 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 speling_module modules/mod_speling.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 visitor can get a directory listing of all the files in that folder. Example: you created a directory named “abc”, you can see everything in that directory by typing <http://localhost/abc/> in your browser.

➤ *Preventing a Directory Listing*, use one of three methods below:

- 1. Create index file (html, htm, php, aspx,...) 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.