



Waterford Institute of Technology



WEB SERVER SETUP

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MAIN ELEMENTS OF A WEB SERVER



SERVER



DATABASE
MANAGEMENT TOOL



PROGRAMMING
LANGUAGE

WHAT IS XAMPP?

XAMPP is a free and open-source cross-platform web server solution stack package, consisting mainly of the Apache HTTP Server, MySQL database, and interpreters for scripts written in the PHP and Perl programming languages.



XAMP

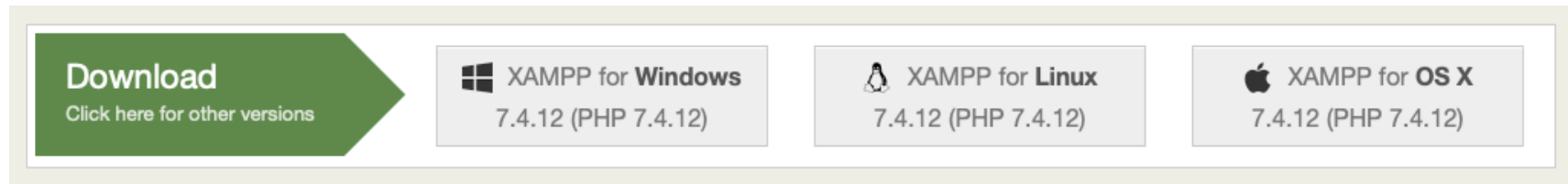
XAMPP's name is an acronym for:

- **X** (to be read as “cross”, meaning cross-platform)
- **A**pache HTTP Server
- **M**ySQL
- **P**HP
- **P**erl

WHY USE XAMPP?

- The most popular PHP developer package
- For Windows, Mac OS X & Linux
- Easy installation and configuration
- Completely free of charge

DOWNLOAD AND INSTALL



- Go to: <https://www.apachefriends.org/download.html>
- Download the installer (you may need to run it as administrator)
- Usual windows installation Next->Next->Finish
- It will install itself as a tray icon

CONTROL PANEL

XAMPP Control Panel v3.2.1 [Compiled: May 7th 2013]

XAMPP Control Panel v3.2.1

Modules

Service	Module	PID(s)	Port(s)	Actions
<input type="checkbox"/>	Apache	9844 7732	80, 443	Stop Admin Config Logs
<input type="checkbox"/>	MySQL	6584	3306	Stop Admin Config Logs
<input type="checkbox"/>	FileZilla	7340	21, 14147	Stop Admin Config Logs
<input type="checkbox"/>	Mercury			Start Admin Config Logs
<input type="checkbox"/>	Tomcat			Start Admin Config Logs

Config Netstat Shell Explorer Services Help Quit

23:59:43 [main] Initializing Modules
23:59:44 [main] Starting Check-Timer
23:59:44 [main] Control Panel Ready
23:59:47 [Apache] Attempting to start Apache app...
23:59:48 [Apache] Status change detected: running
23:59:48 [mysql] Attempting to start MySQL app...
23:59:50 [mysql] Status change detected: running
23:59:55 [filezilla] Attempting to start FileZilla app...
23:59:56 [filezilla] Status change detected: running

XAMPP DIRECTORIES



DIRECTORIES

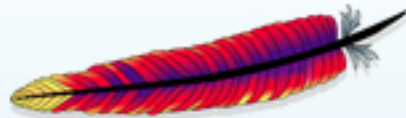
- ./htdocs – location of public html files (C:\xampp\htdocs for standard installations)
- ./apache – location of configuration
- ./mysql – location of MySQL database

LAMP

Linux, Apache, MySQL, PHP



Linux



Apache



MySQL



PHP

LAMP

- LAMP is an open source Web development platform that uses Linux as the operating system, Apache as the Web server, MySQL as the relational database management system and PHP as the object-oriented scripting language.
- Open terminal, then just write: `sudo apt-get install lamp-server`
- Location of web page: `/var/www`
- Make your first page and then test with localhost