XAMPP and LAMP

Installing, Configuring, Running XAMP and LAMP

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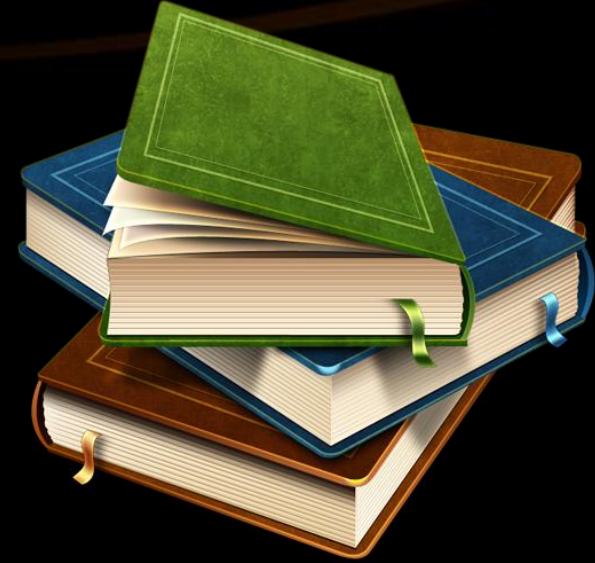**Technical Trainer**

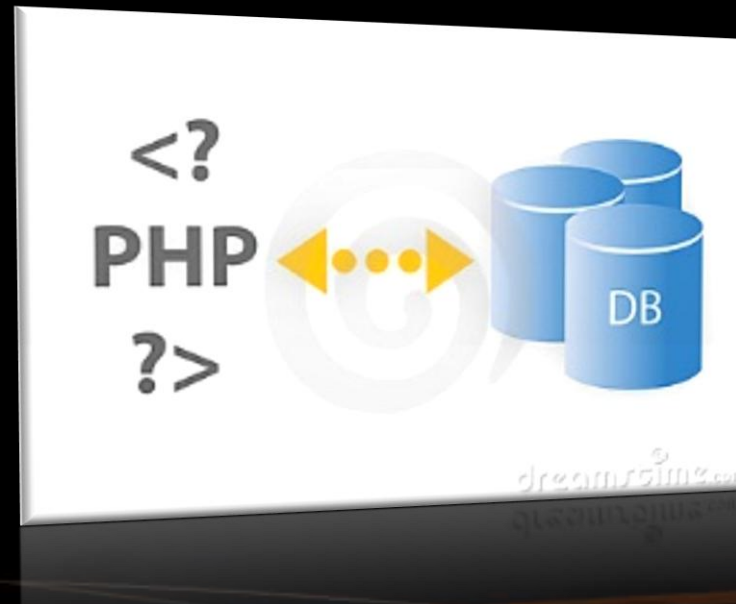http://peshev.net

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What is XAMPP

Apache, MySQL, PHP, Perl

What is XMAPP?

XAMPP (/ˈzæmp/ or /ˈɛks.æmp/) 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.

Etymology

XAMPP's name is an acronym for:

- X (to be read as "cross", meaning cross-platform

- Apache HTTP Server
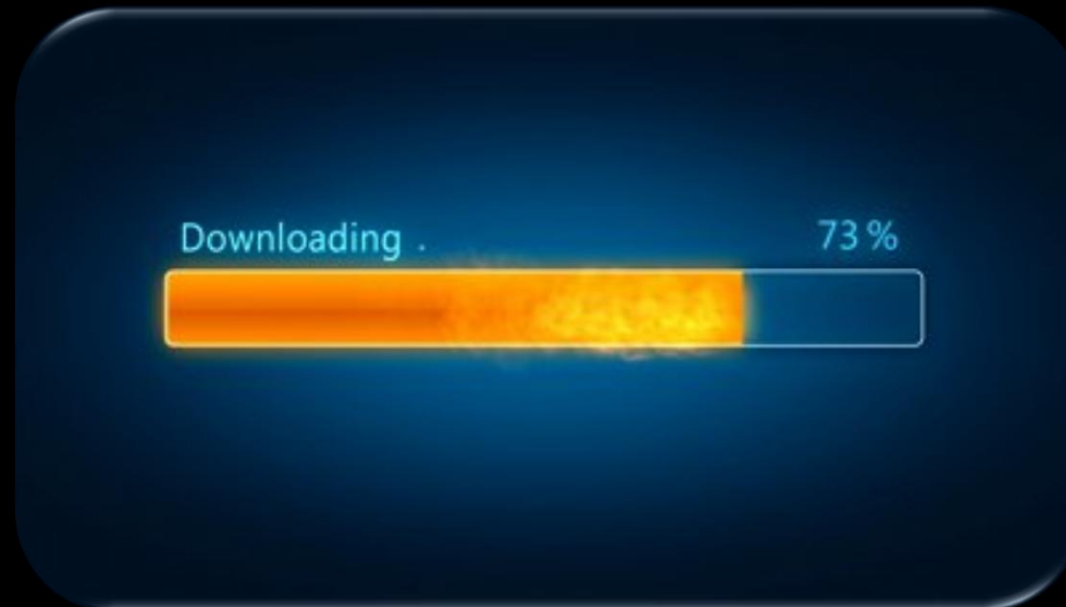
- MySQL

- PHP

- Perl

Advantages

Why use XAMPP?

- The most popular PHP developer package

- For Windows, Mac OS X & Linux

- Easy installation and configuration
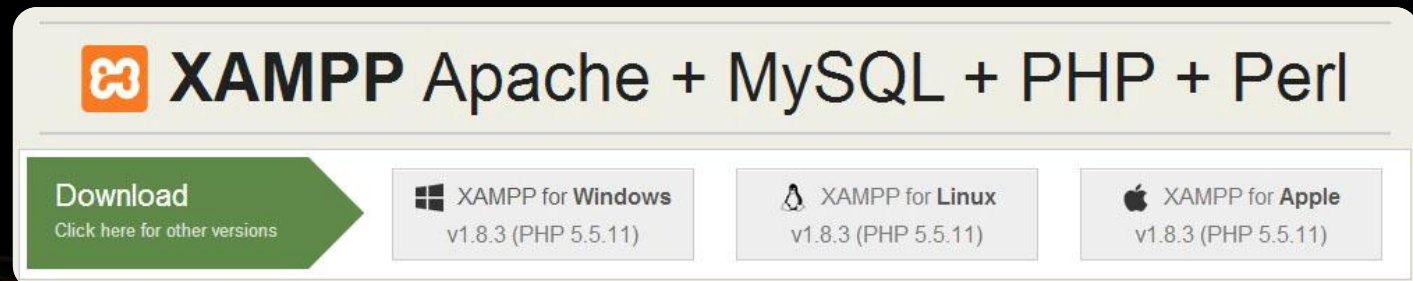
- Completely free of charge

Download and Install

Downloading .   73 %

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

XAMPP Apache + MySQL + PHP + Perl

Download	XAMPP for **Windows**	XAMPP for **Linux**	XAMPP for **Apple**
Click here for other versions	v1.8.3 (PHP 5.5.11)	v1.8.3 (PHP 5.5.11)	v1.8.3 (PHP 5.5.11)

Collision with Skype

Collision with VMWare
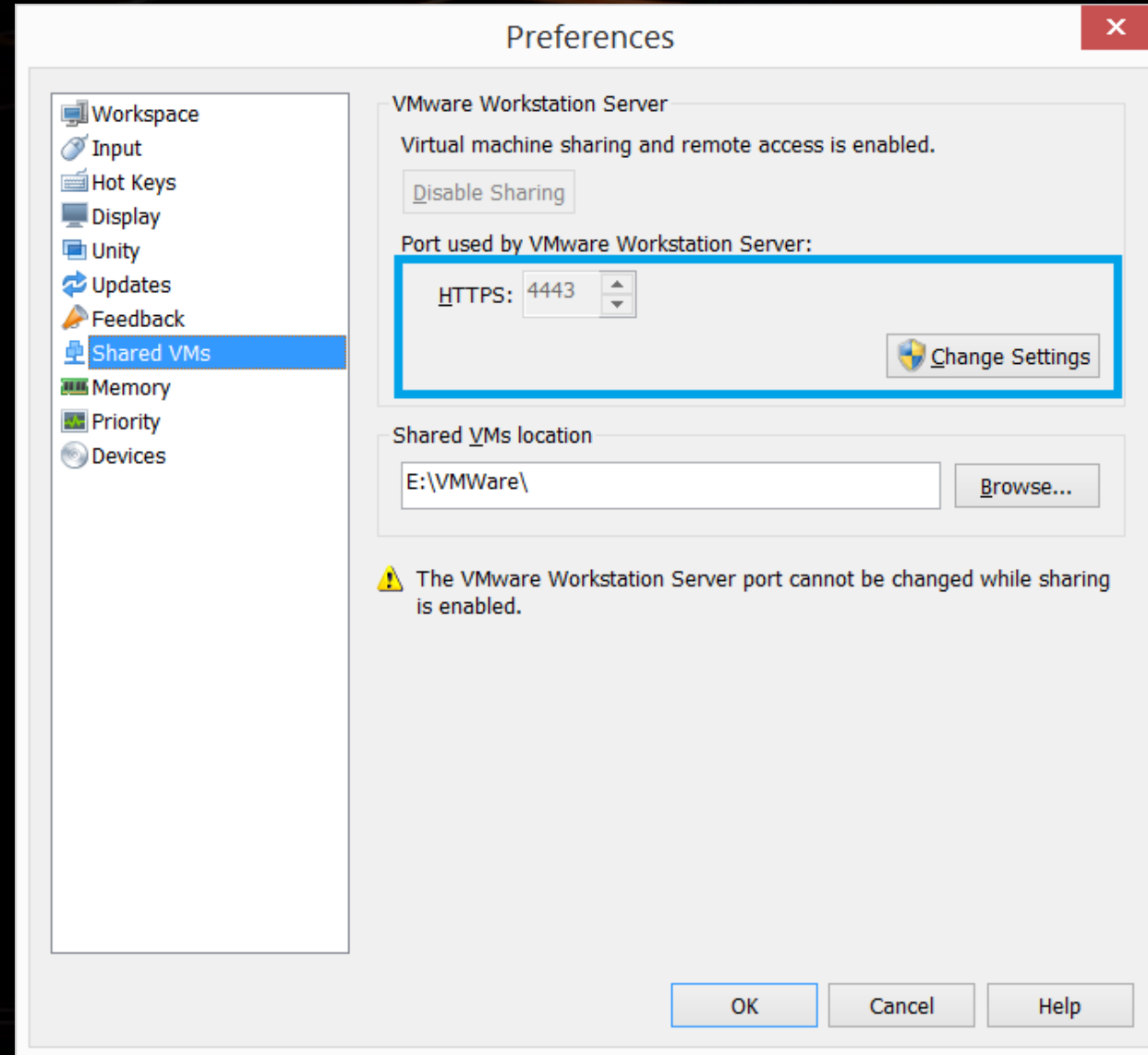
Control Panel

Windows process identifier

Used ports

System messages

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

XAMPP Control Panel v3.2.1

Service	Module	PID(s)	Port(s)	Actions				
☐	Apache	9844 7732	80, 443	Stop	Admin	Config	Logs	
☐	MySQL	6584	3306	Stop	Admin	Config	Logs	
☐	FileZilla	7340	21, 14147	Stop	Admin	Config	Logs	
	Mercury			Start	Admin	Config	Logs	
	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
```

Collision with other Web Server

- There may be WAMP or IIS installed too

- The best solution is to change the port

- From the Tray Icon, <u>left</u> click and

  - Go to .\apache\conf -> httpd.conf

  - Search for "Listen 80"

  - Replace with "Listen 8080" for example

  - Access http://localhost:8080/

XAMPP Directories

Directories

- ./htdocs – location of public html files

- ./apache – location of configuration

- ./mysql – location of MySQL database

Configuration

Configuration files

- Apache configuration file
  (httpd.conf): **.\apache\conf\httpd.conf**

- PHP configuration file (php.ini): **.\apache\bin\php.ini**

- MySQL configuration file (my.cnf): **.\mysql\bin\my.cnf**

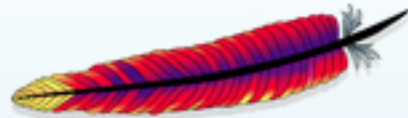# LAMP

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.

Download and Install on Ubutntu

- 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

Summary

- We discussed the WAMPP:
  - Downloading and Installation
  - Configuration
  - Collision with other software
- We discussed the LAMP:
  - Downloading and Installation

PHP & MySQL

Questions?

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