## INLS 672 Web Development 2

## XAMPP



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## Why PHP?

#### Some statistics...

- Widely used: Usage of server-side languages
- Usage statistics and market share
- Among most popular technologies: Stackoverflow Developer Survey Results 2020

PHP is still very widely used for back-end web development. Although many new technologies are providing alternatives, often the programming language decision is based on the type of application being developed.

- If you are interested in back-end development, you should have some familiarity with PHP
- If you understand PHP, then you will find it easier to learn other server-side technologies that adopt a similar programming model

# To build web applications, you need a development server

- Install the XAMPP Development Environment. This contains all of the component programs you will need, including the SQLite database (we will not be using MySQL)
- Typically, a simple install with very little configuration needed
- With a local environment, code changes can be made quickly, and testing is a matter of saving file updates and refreshing the browser



#### Select the download for your platform



#### XAMPP is the most popular PHP development environment

XAMPP is a completely free, easy to install Apache distribution containing MariaDB, PHP, and Perl. The XAMPP open source package has been set up to be incredibly easy to install and to use.



Download Click here for other versions XAMPP for Windows 8.0.0 (PHP 8.0.0) XAMPP for Linux 8.0.0 (PHP 8.0.0)

XAMPP for OS X 8.0.0 (PHP 8.0.0)

#### XAMPP Download

After the download starts, this screen shows links for installation instructions, FAQs, support forum, and Stack Overflow.

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#### Reading

Be sure to read the install instructions and FAQs:

- Linux FAQs
- Windows FAQs
- OS X FAQs
- OS X XAMPP-VM FAQs

You can find additional help on our forums or Stack Overflow.



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### **XAMPP: Control Panel**



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Apache FileZilla Tomcat	If you need to change the default port #s
Selected modules will be started on next launch of the Control Panel.	Service Settings – 🗆 🗙
Start Control Panel Minimized  Enable Tomcat output window  Check default ports on startup  Show debug information	Use this form to set service-specific and default port settings. You can set the name and default ports the XAMPP Control Panel will check. Do not include spaces or quotes in names. This does NOT change the ports that the services and programs use. You still need to change those in the services' configuration files.
Change Language Service and Port Settings User Defined Files Log Options	Apache     MySQL     FileZilla     Mercury     Tomcat       Apache     Service     Name     Main Port     SSL Port       Apache2.4     80     443
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# XAMPP: Control Panel

Click 'Start' action for the Apache server.

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	FileZilla			Start	Admin	Config	Logs	Services
	Mercury			Start	Admin	Config	Logs	😡 Help
	Tomcat			Start	Admin	Config	Logs	Quit
2:04:19 PM       [main]       XAMPP Version: 8.0.0         2:04:19 PM       [main]       Control Panel Version: 3.2.4 [ Compiled: Jun 5th 2019 ]         2:04:19 PM       [main]       You are not running with administrator rights! This will work for         2:04:19 PM       [main]       most application stuff but whenever you do something with services         2:04:19 PM       [main]       there will be a security dialogue or things will break! So think         2:04:19 PM       [main]       about running this application with administrator rights!         2:04:19 PM       [main]       about running this application with administrator rights!         2:04:19 PM       [main]       XAMPP Installation Directory: "c:\xampp\"         2:04:19 PM       [main]       Checking for prerequisites         2:04:19 PM       [main]       All prerequisites found         2:04:19 PM       [main]       Initializing Modules         2:04:19 PM       [main]       Starting Check-Timer         2:04:19 PM       [main]       Starting to start Apache app         2:04:19 PM       [main]       Status change detected: running								

#### **XAMPP: Test installation**

Enter localhost or 127.0.0.1 in browser address bar. You should see the following page displayed.

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You have successfully installed XAMPP on this system! Now you can a can find more info in the FAQs section or check the HOW-TO Guides the	start using Apa for getting star	D.O ache, Mai ted with I	iaDB, PHP and c PHP applications.	other compo	onents	s. You	
XAMPP is meant only for development purposes. It has certain configu- insecure if you want to have your installation accessible to others. If yo sure you understand the implications and you checked the FAQs to lea MAMP or LAMP which are similar packages which are more suitable for	uration settings ou want have y arn how to pro or production.	s that ma our XAM tect your	ke it easy to deve PP accessible fro site. Alternatively	elop locally om the inter y you can us	but th net, n se WA	at are nake MP,	
Start the XAMPP Control Panel to check the server status.							•

## **Document Root**

What is it?

- The folder that contains the main web documents for a domain. This is the folder where you will place all of your application files.
- Folder name is htdocs
- Files placed in the document root can be accessed by browsing to http://localhost/<file\_name>
  - If you are not using the default port numbers, then you would need to specify the address as: http://localhost:<port\_number>/<file\_name>

Where is it?

- The htdocs folder is located in the XAMPP installation folder. The default installation folder is typically:
  - Windows: c:/xampp/htdocs
  - Mac OS X: /Applications/XAMPP/htdocs

# Another installation test: create a simple web page

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<ul> <li>xampp</li> <li>applications.html</li> <li>bitnami.css</li> <li>favicon.ico</li> <li>index.php</li> </ul>	9 $\langle li \rangle One \langle li \rangle$ 10 $\langle li \rangle Two \langle li \rangle$ 11 $\langle li \rangle Three \langle li \rangle$ 12 $\langle ul \rangle$ 13 $\langle body \rangle$ 14 $\langle html \rangle$ Testing 1, 2, 3 $\times +$ $ \Box \times$ $\leftarrow \rightarrow C$ () localhost/Testing 123.html $\Rightarrow \triangle \otimes \Rightarrow O$ :
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