

Setting up XAMPP in Windows

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XAMPP

- XAMPP is an installation package containing MySQL, PHP, Apache and others.
- If you wish to run MySQL and PHP on your computers at home, this offers a much easier solution than installing each program individually

Downloading and Installing

- First of all, download the windows installer from here:
 - <http://www.apachefriends.org/en/xampp-windows.html>
- Install the program, I would suggest using the default installation location of “C:\xampp” although any location is fine

Downloading and Installing II

- After the installation, a command prompt will appear asking if you’d like to place icons on your desktop. That’s up to you
- Then type y to proceed
- When prompted, select y to use drive letters. You won’t be running this off a USB stick

Starting Apache and MySQL

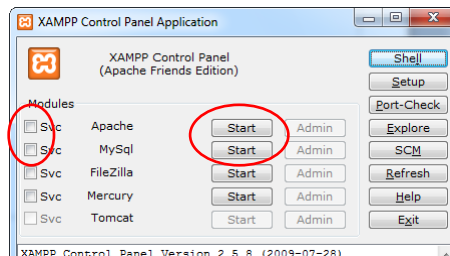
- Once you have installed XAMPP, the command prompt will produce a menu that looks like this:

```
#####
# XAMPP 1.7.3 - Setup                                     #
# Copyright 2009 Carsten Wiedmann (FreeBSD License)      #
# Authors: Carsten Wiedmann <carsten_stt@mx.de>         #
#           Kay Vogelgesang <kvo@apachefriends.org>      #
#####
1. start XAMPP Control Panel
2. relocate XAMPP
   <current path: \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):
```

- Start the XAMPP control panel here, or via the start menu shortcut

Starting Apache and MySQL

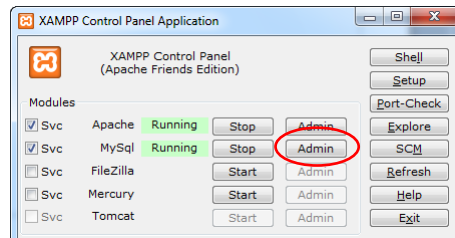
- Start Apache and MySQL, and add them to the list of Windows services in the XAMPP control panel:



- Note: that these buttons might take a moment to start each process, don't click them lots of times

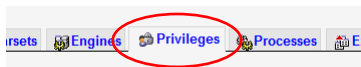
Setting up MySQL I

- Now MySQL is running, you need to add a database and username. Do not bother setting a root password. Begin by clicking the Admin button for MySQL in the control panel:



Setting up MySQL II

- This will bring up phpMyAdmin, which is a web front-end for controlling your MySQL server
- Once this has loaded, click the Privileges tab:



Setting up MySQL III

- On the privileges screen you will see a list of users. Below this, click “Add New User”
- Type in your username, for ease this should be the same as the one you use in Computer Science
- Also, type in a password, and click “Create database with the same name and grant all privileges”

Add a new User

Login Information

User name: Use text field: mpp03u

Host: Any host

Password: Use text field:

Re-type:

Generate Password: Generate

Database for user

☐ None

☒ Create database with same name and grant all privileges

☐ Grant all privileges on wildcard name (username_%)

Setting up MySQL IV

- Scroll to the bottom of the page and click Go. phpMyAdmin should tell you it has created a new user. Once this is done, you can close phpMyAdmin.

Logging into MySQL Terminal I

- To log into the MySQL command line terminal, begin by running Windows Command Prompt
- Next, browse to the correct directory and run mysql. The program is stored in xampp/mysql/bin
- In the labs, your username and database are specified for you. You must do this yourself at home. See the image on the next page:

Logging into MySQL Terminal II

- If you do this correctly, you will log in and select the right database

```
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\mpp>cd\
C:\>cd xampp\mysql\bin

C:\xampp\mysql\bin>mysql -u mpp03u -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 15
Server version: 5.1.41 Source distribution

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use mpp03u;
Database changed
mysql> _
```

Be Careful with CASE

- MySQL in Windows is **not** case sensitive. This means if you create a table called “Artist” then the actual table will be “artist”
- For practice and starting on your coursework this is ok, but make sure you copy the files over to the school computers before handing them in and make sure everything works

Using Apache I

- Now you have a database, you can create tables, or run SQL files like you do in the labs. You can now run HTML and PHP files using Apache server
- Your website is not held in public_html like it is at CS. Instead, you will find it in C:\xampp\htdocs
- You can delete all the files in there and start your own website

Using Apache II

- Try putting the following file into your htdocs directory:

index.php

```
<html>
<body>

<?php

phpinfo();

?>

</body>
</html>
```

Using Apache III

- With that file created, use your browser to go to <http://localhost/index.php> and you should see:

PHP Version 5.3.1	
	
System	Windows NT HOPLITE 6.1 build 7600 ((null)) i586
Build Date	Nov 20 2009 17:20:57
Compiler	MSVC6 (Visual C++ 6.0)
Architecture	x86
Configure Command	cscrip /nologo configure.js --enable-snapshot-build
Server API	Apache 2.0 Handler
Virtual Directory Support	enabled
Configuration File	no value
(info set) Path	

Continuing On

- Now everything is working fine, you can use this setup to do the coursework.
- Simply use your htdocs directory as you would the public_html directory in the labs
- Remember, you should make sure that everything you do at home is tested thoroughly on the lab computers. If it doesn't work when we mark it, "It worked at home" will **not** be a valid excuse!