

XAMPP & phpMyAdmin

For the remainder of the course you will need to have a local database installed. This will allow you to complete Labs that require creating SQL scripts. I have linked youtube videos below and have also written instructions, depending on your system.

Windows: <https://www.youtube.com/watch?v=dnBa2pTKYY0>

Mac: https://www.youtube.com/watch?v=Eull_Crv8vg

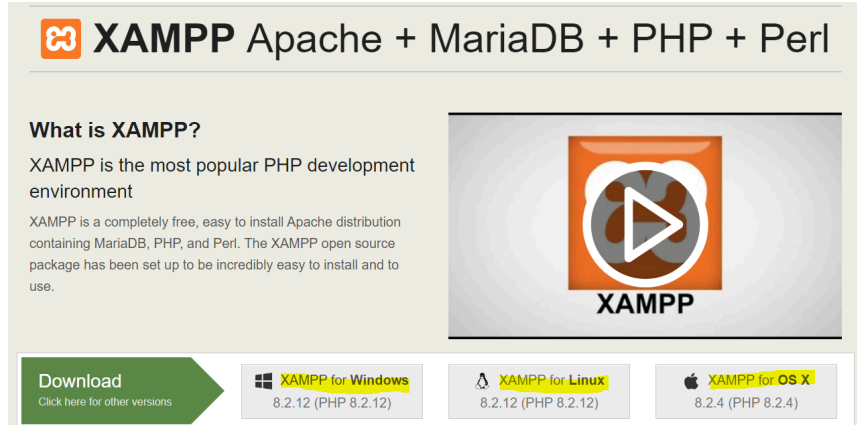
If you are on Linux the process is similar to the above videos. Let me know if there are any issues and we can work through them in class.

Install XAMPP & phpMyAdmin (Written Instructions)

Step 1: Download XAMPP & phpMyAdmin

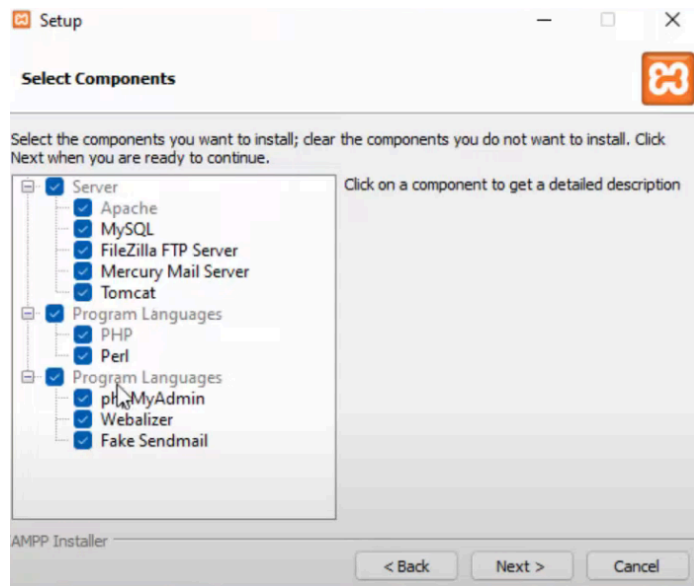
The first step is to download the latest version of XAMPP & phpMyAdmin from the official website. Choose the version that's compatible with your operating system.

<https://www.apachefriends.org/index.html>.

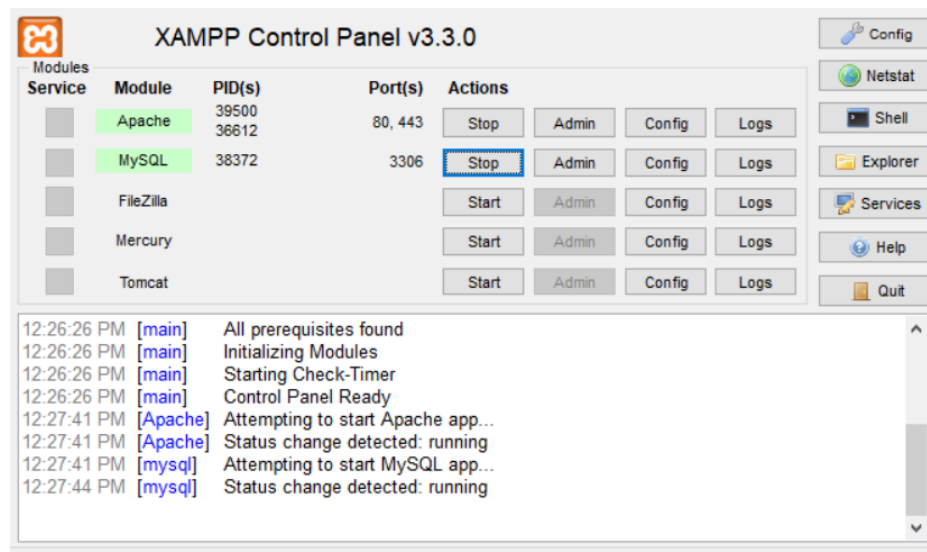


Step 2: Run Installer

You can leave all the settings as the default. Just click through and run the XAMPP control panel once complete.

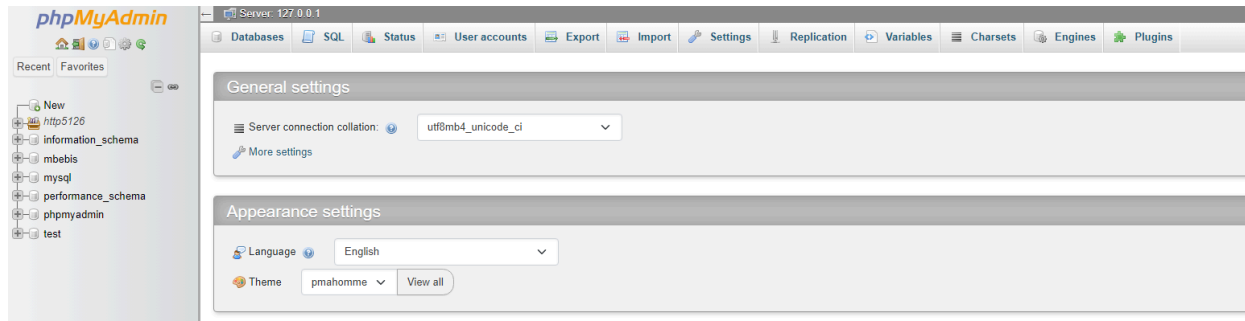


Step 3: Start the module 'Apache' and 'MySQL'. Wait for both module names to be highlighted in green.



Step 4: Test the Installation

Launch your web browser and go to "http://localhost/phpmyadmin". If everything is working correctly, you should see the phpMyAdmin page. It should look something like this.



Adminer

Adminer is an alternate way to access our Database Management System (DBMS) phpMyAdmin. I suggest installing this after following the above instructions. Adminer has a much simpler interface to write and view the results of queries.

*Following setup is only tested on Windows. If on Mac or Linux, please try the steps below and let me know if there are any issues and we can work through them in class.



Download/Install

1. First download **Adminer 4.8.1 for MySQL** from <https://www.adminer.org/#download>
2. Once downloaded rename the downloaded file to **adminer**
3. Open a new finder window. Navigate to
 - a. Windows: **C:\xampp\htdocs**
 - b. Mac: **/Applications/XAMPP/xamppfiles/etc/httpd**
4. Move the downloaded file, now named **adminer**, to this directory
5. Launch your Apache server and MySQL server. Navigate to <localhost/adminer.php>. You should see something like this

Language:

Adminer 4.8.1

Login

System	<input type="text" value="MySQL"/>
Server	<input type="text" value="localhost"/>
Username	<input type="text"/> 
Password	<input type="text"/> 
Database	<input type="text"/>

☐ Permanent login

Account Setup

Before you can login you need to set up an account.

1. Navigate to <http://localhost/phpmyadmin/>
2. Select the **User accounts** tab
3. Find **New**, select **Add user account**
4. Set new account
 - a. **Username** and **Password** should be set to whatever you prefer.
 - b. All other settings should match the picture below
 - c. Click **Go**

Add user account

Login Information

User name:

Host name:

Password: Strength: Strong

Re-type:

Authentication plugin:

Generate password:

Database for user account

☒ Create database with same name and grant all privileges.

☒ Grant all privileges on wildcard name (username,%).

Global privileges ☒ Check all

Note: MySQL privilege names are expressed in English.

Data

- ☒ SELECT
- ☒ INSERT
- ☒ UPDATE
- ☒ DELETE
- ☒ FILE

Structure

- ☒ CREATE
- ☒ ALTER
- ☒ INDEX
- ☒ DROP
- ☒ CREATE TEMPORARY TABLES
- ☒ SHOW VIEW
- ☒ CREATE ROUTINE
- ☒ ALTER ROUTINE
- ☒ EXECUTE
- ☒ CREATE VIEW
- ☒ EVENT
- ☒ TRIGGER

Administration

- ☒ GRANT
- ☒ SUPER
- ☒ PROCESS
- ☒ RELOAD
- ☒ SHUTDOWN
- ☒ SHOW DATABASES
- ☒ LOCK TABLES
- ☒ REFERENCES
- ☒ REPLICATION CLIENT
- ☒ REPLICATION SLAVE
- ☒ CREATE USER

Resource limits

Note: Setting these options to 0 (zero) removes the limit.

MAX QUERIES PER HOUR

MAX UPDATES PER HOUR

MAX CONNECTIONS PER HOUR

MAX USER_CONNECTIONS

SSL

☒ REQUIRE NONE

☐ REQUIRE SSL

☐ REQUIRE X509

☐ SPECIFIED

REQUIRE CIPHER

REQUIRE ISSUER

REQUIRE SUBJECT

Login to Adminer

Navigate to <http://localhost/adminer.php>



Login using credentials you set above

System: **MySQL**

Server: **localhost**

Database: **<blank>**

Login

System	MySQL ▾
Server	localhost
Username	yourUsername 
Password 
Database	

☐ Permanent login

Potential Errors

Port in Use - <https://dev.to/sylwiavargas/how-to-properly-close-a-port-2p36>