

Website Security Research Project

Installation Documentation

CS 467 - Summer 2021

Team Members:

Cody Medaris

Ray Franklin

Emanuel Ramirez

Setting up the Site:

It would be a very bad idea to publicly host our site, so we found the best solution to be to run it on a local Apache server using XAMPP. First, go to apachefriends.org/index.html, and download xampp for your operating system. The rest of this guide will be for Windows 10, as that's what I'm using.

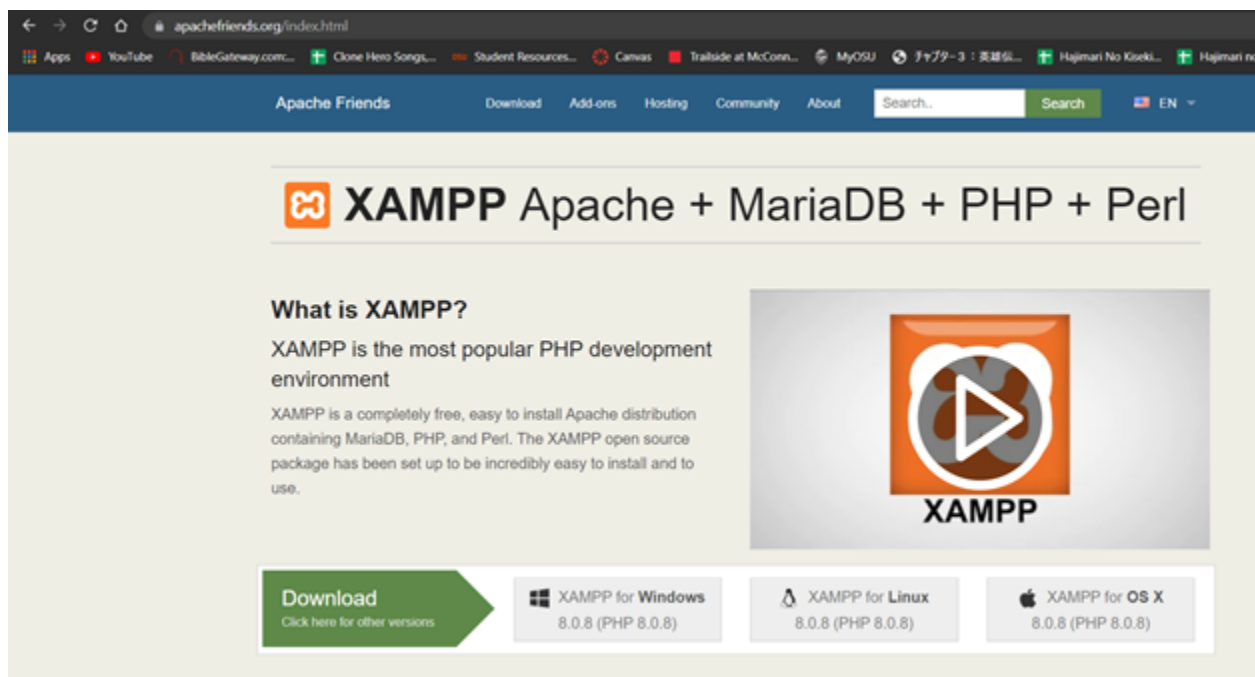


Image 1: XAMPP site.

During the installation process, you will be asked which components to download. Only Apache, MySQL, PHP and phpMyAdmin are needed, so feel free to uncheck the rest, then click next and save XAMPP in the location of your choosing:

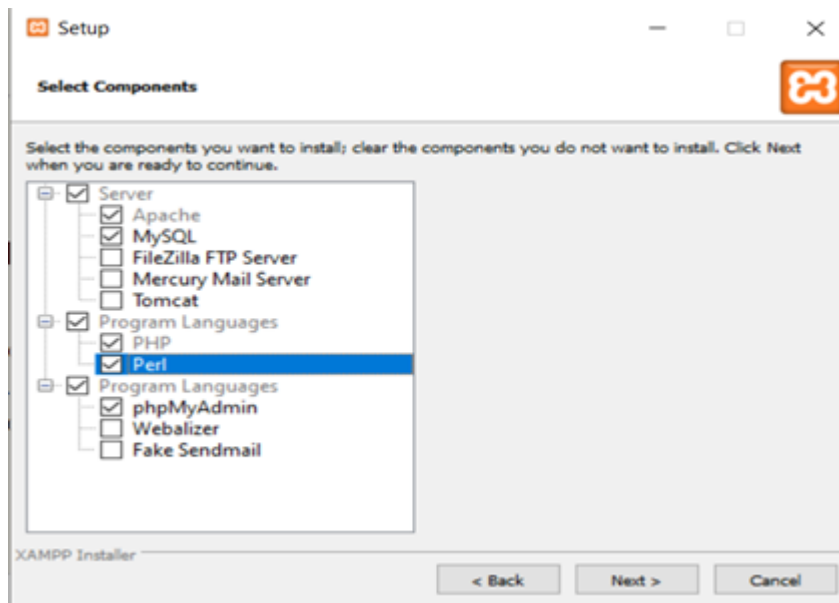


Image 2: Install options.

Continue to follow the prompts until XAMPP has finished installing. Once it has, go ahead and open the control panel, but before you start Apache or MySQL, head to the location where you saved xampp and open the htdocs folder. Inside will be a bunch of default stuff that we don't need:

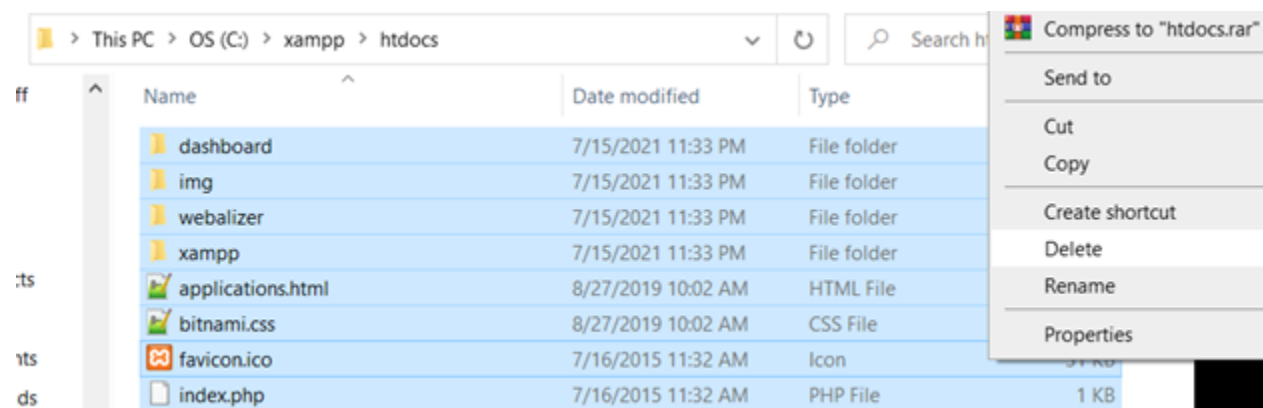


Image 3: Prior to delete.

Team Members:
Cody Medaris
Ray Franklin
Emanuel Ramirez

Delete all the files in this folder and place the files for the site in it instead (except for the .htpasswd file, which you should place in the main xampp folder)

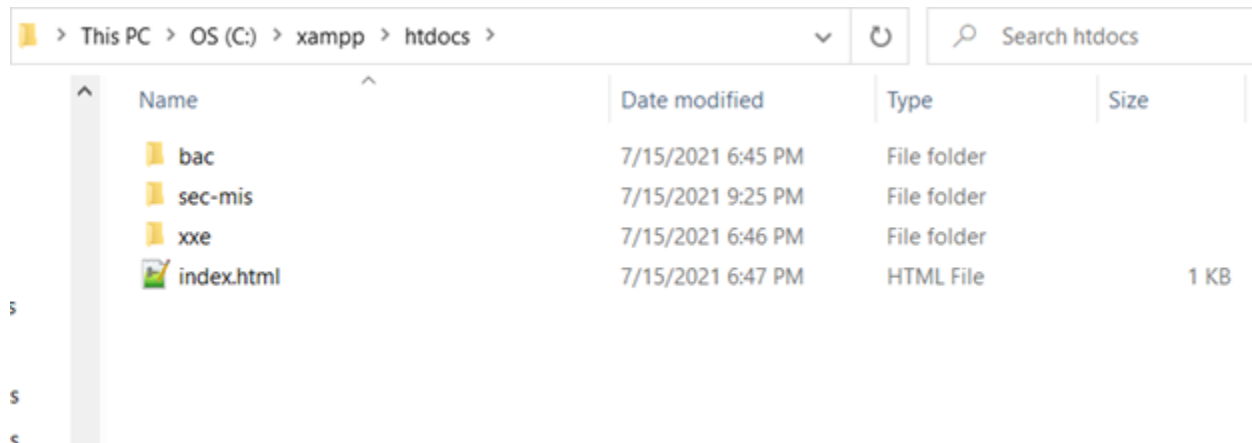


Image 4: New folder structure.

Now return to the XAMPP control panel, start Apache and MySQL (don't close the control panel yet!), open a web browser, and navigate to localhost <http://127.0.0.1/>. You should be at our site!

Setting up the database:

The access control demonstration uses a database to store user info. To make a database compatible with the demo, from the XAMPP control panel, click the admin button for MySQL (or navigate your browser to localhost/phpmyadmin). From here, look at the databases on the left and click on the database named "test":

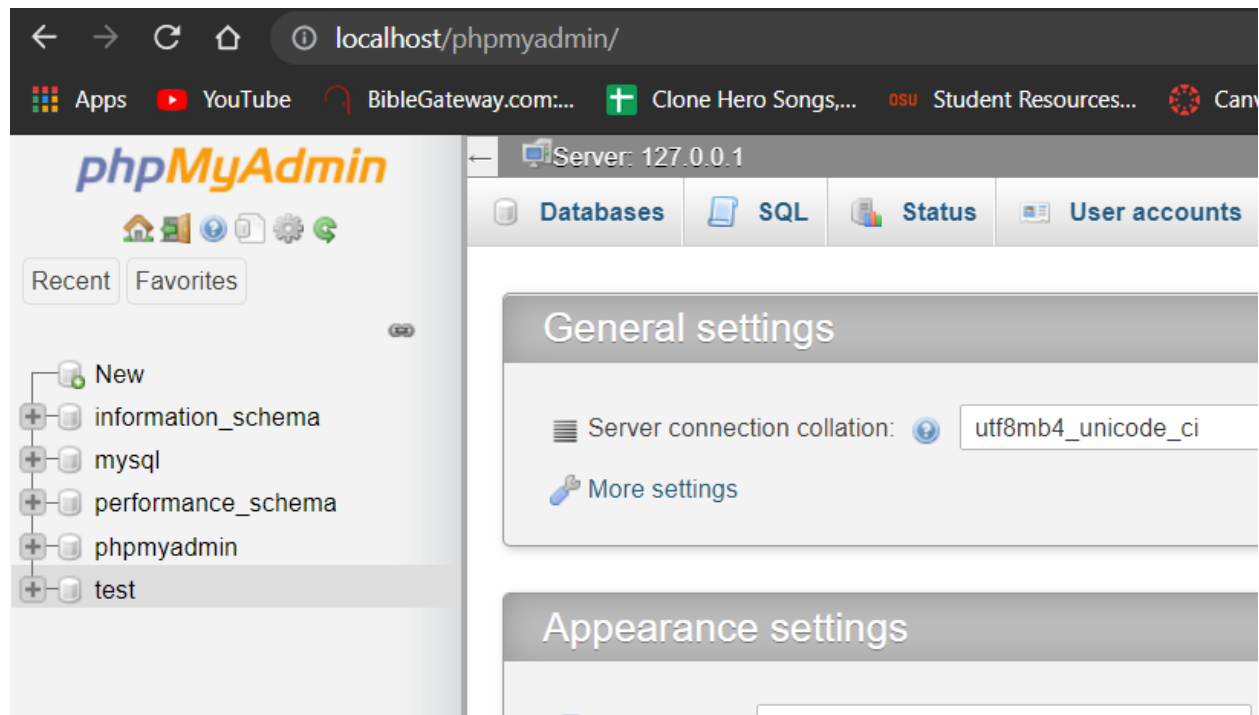


Image 5: phpMyAdmin database.

Now in the test db, click on the little SQL tab at the top (it can be seen in the above picture), and in the text box copy and paste these commands, and click the “Go” button in the bottom right corner:

```
CREATE TABLE test_table (id INT AUTO_INCREMENT NOT NULL PRIMARY KEY, username  
VARCHAR(255) NOT NULL, pwd VARCHAR(255) NOT NULL, admin TINYINT);  
INSERT INTO test_table (username, pwd, admin) VALUES ('user1', 'pwd1', 1);  
INSERT INTO test_table (username, pwd, admin) VALUES ('user2', 'pwd2', 0);
```

The table with the values should now be in the test database (you may have an issue with the quotations around the values to insert not pasting correctly; if the words in quotes aren’t red in the text box you’ll have to delete the quotation marks and then retype them).