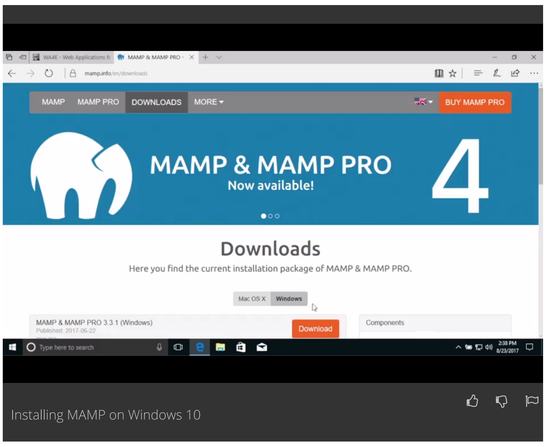
Course materials

Lecture Materials

Optional Assignment

Bonus Materials



Installing MAMP on Windows 10

Have a question? Discuss this lecture in the week forums.

Interactive Transcript

Search Transcript

English

0:00
Hello everybody. Welcome to Web Applications for Everybody. Today, we're going to show how to install MAMP for Windows. So, I'm going to download it here and I'm on Windows. So it takes me straight to the download. I'm just going to say I'll go ahead and run. So now, it's going to go ahead and run the application. I must say yes. English, next. I'm not going to install a Mac Pro. That's nice that they give us that check box so you can pay for Mac Pro, I don't exactly know, I've never used it so I don't know. Accept license agreement, Put it MAMP. Next. Next. Desktop icon, let's go ahead and run it.

1:31
Okay, so now we're going to continue.

1:42
Holy MAMP, we should also have this in our desktop.

1:53
So it's coming up. So this is very important. Got to allow this to happen because if you don't, well, let's check on both so that my SQL can talk. Now, this is HTTPT and I'm going to say yes to both of those, and that's very very important. And now that they're up and so we can open the start page and there we go. And you can take a look at PHP info, and then you can look at PHPMyAdmin and literally at this point if you've got something coming up here in PHPMyAdmin, you have successfully installed MAMP. So congratulations. Hello and welcome to Web Applications for Everybody. Now, we are going to install ATOM text editor. You literally could do any text editor. I use ATOM because I like it. It works on Windows, Mac, and Linux the same way, but literally, you can use any text editor that you like. Don't use Notepad or Word. Certainly don't use Word, because if you use Word it'll mess your files up, okay? We really need a text editor with syntax highlighting, things like that. So it's finished downloading and it's getting ready to install it.

3:46
We're going to write right now our first PHP application. So, I'm go ahead and get ATOM started and I'm going to get MAMP started. So MAMP, I'm going to start these servers and start the Apache server and our database server, MySQL, so get that started.

4:13
So let's open the start page because there a lot of good information we can get here. We can find out about our PHP configuration and my favorite thing to do is to run PHPMyAdmin because literally PHPMyAdmin is running and you come up with something that looks like this. You are in really good shape, everything is running fine. Your database servers run on new and PHP is running so I'll get rid of this. So what we're going to do is we're going to write our first application. And so I'll have ATOM here and I'm going to do file new file and I'm going to call this h1, hello from a web page/h1. And now what I'm going to do is I'm going to save this, file, save. And I'm going to go to a file called backslash C MAMP htdocs. I've pinned it here to make my job a little easier. I found it once, dragged it over here and pinned it, so I can get it right here. Now, this is the web document root for your web server and you can make folders here. So I'm going to make a new folder or I'm going to call this folder first. Make that folder and I'm going to save this file call it as index.PHP, index.PHP is a special name. It's a file that if you navigate a web browser to the directory, it will generally serve index.PHP. Now, it's syntax highlighted this for us because it's showing this. Now, the way it works is I can go anywhere from a local host on down to the folder that I just made to the file I just made, index.PHP And so, you see that c:\MAMP\htdocs is the top of a folder, web folder structure that's sort of from local host on down, okay? And so this is just an HTML page. We've seen it you know we can view source. There's HTML page came from PHP. Now so far we haven't actually run any code in this PHP. So let's go ahead and write some code and show you how PHP can run code. So there's a tag called <?PHP and then a tag that's?< and it's already added that for me and I can run code in here. So I can say something like, echo"hi there\n"; and I'm going to save this. Now, I want to run this code, run it again. And so, there we go. It says, "Hi there." Let me put a space in here. This is code and basically what happens, and I only put a paragraph tag in here, put paragraph tags on HTML, put an end paragraph, something else. What happens in PHP is, when you drop into the PHP language on the server, it switches from just rendering this HTML to running code but then, in place of this, we get the string "Hi there." So let me save that and hit refresh again. So this, it came from the executing code that ran here and so inside this code, we can put in some logic so we can say, $x = 6*7 to make a variable and then we can say echo "The answer." Another double quote is already there. Sorry.

8:36
/n, put it in line. I'm going to save that and I'm going to hit refresh. It looks like it didn't quite work. Oh, I got it to concatenate this with a dot. Well, no. This is to be x, that's what I mean my mistake. File, save, refresh. Okay. So you see this came, "Hi there", all this stuff came from the executing code so you can think of all this output as the result of executing this code, and anything that is printed out during this code, is put out as the web page. And so that's kind of the idea, you put files and folders inside of this htdocs and then you execute them by running them in a browser. Okay, so we have one last thing we're going to do and it's really, really, really important thing. Matter of fact, I make it an assignment I think it's so important. So we just finished writing our first web application. Now, let's go ahead and make a syntax error in this application. Make a syntax error and we're going to make all kinds of mistakes. So I'm missing a semi-colon there so I come up here and I refresh it. And what happens here is we get an error. Now, I just put the error in so you kind of know what the error was, but the question is, what if this was like hundreds of lines of code and you had to figure out what's going on, okay? Let's take a look. There is a setting. It turns out that printing errors on the screen is great for developers but it's really bad for production systems, and so they default these systems when they install them to not turning on not showing errors. So we had to find out how to change the errors. We're going to go to that start page and then go to PHP info and we're going to look at the loaded configuration, it's right here, C:\MAMPconfigphp7.1.5. We got to remember this perfectly, 7.1.5, okay? So let's open that file, file, open file. We're going to go to MAMP and keep going back and forth. So in configuration. No, I think it's in, oh, I keep going back. confphp7.1.5. Okay, confphp7.1.5. This file right here is the file we're going to open and here we are. Now, you're going to search down for a field name display errors. Let's just scroll down here. Displaying errors. I will find it. So it's turned off by default because it's security. Let's not find that one. I think I found it. Okay, display errors off. So we're going to change this to on and lines will display_startup_errors to on too. So there we go. It's still going to log the errors. We'll talk later about where these logs were at, but now I am going to save this file. So I've changed that and then I am going to stop servers. You don't have to stop the servers very often but in this case, we have to stop the servers because we've changed the basic server configuration so this will take a moment. So they're stopped, now let's start them. They're coming up. The Apache server's up and now my SQL server's up and now let's, we can just refresh this page. So we can go down and we can look at where the display errors are.

13:17
Okay, display_errors on, startup_errors on. That's what we want to see. Now that we've got these, when we hit this, instead of giving us a very nondescript kind of not very helpful, it's going to say, "Parse error on line 6 unexpected "echo". So now, I can go back to my code here, close that, and go like, oh line 6, it was not expecting an echo, so let's put the semi-colon back in and save it. Now, we can hit refresh and it works. Okay? Make sure to fix this and do it early. You will waste hours and hours and hours if you are just getting those 500 errors while you're writing your code. So please do this and do it early just to keep your sanity so that when you make mistakes, that you get some feedback as to what went wrong.

Downloads

Lecture Video mp4
Subtitles (English) WebVTT
Transcript (English) txt

Would you like to help us translate the transcript and subtitles into additional languages?