IS113 Web Application Development

WAMP INSTALLATION GUIDE

Objectives

- Install WAMP (Apache, PHP, MySQL on WINDOWS)
- Starting and configuring WAMP

1_1 Downloading WAMP

1. Go to this Link to download WAMP. It will bring you to google drive.

    a. Click on the download button to start downloading**.**

Figure 1: download page

2. By default, anything you download will be in C:\Users\username\Downloads. If you have change your download directory, please find the file named wampserver3.2.0_x64.exe.

> **Note: You can choose to download WAMP directly from** http://www.wampserver.com/en/
> The latest version available might slightly vary from the time since we last downloaded.
>
> **Note: For MAC users you can install MAMP from** http://www.mamp.info/en/downloads/index.html
> [You can download the latest version available]

1_2 Downloading VCREDIST

1. Use this Link to download the vcredist zip file. Unzip the file and install all of them **before** installing WAMP.

2_1 / WAMP Installation

1. Right-click on the install icon, use 'Run as administrator'.
2. If you see User account control screen. [Do you want to allow this app from an unknown publisher to make changes to your device?] Click [Yes].

3. You will see [Select Setup Language screen]. Choose English and Click [OK] to continue.
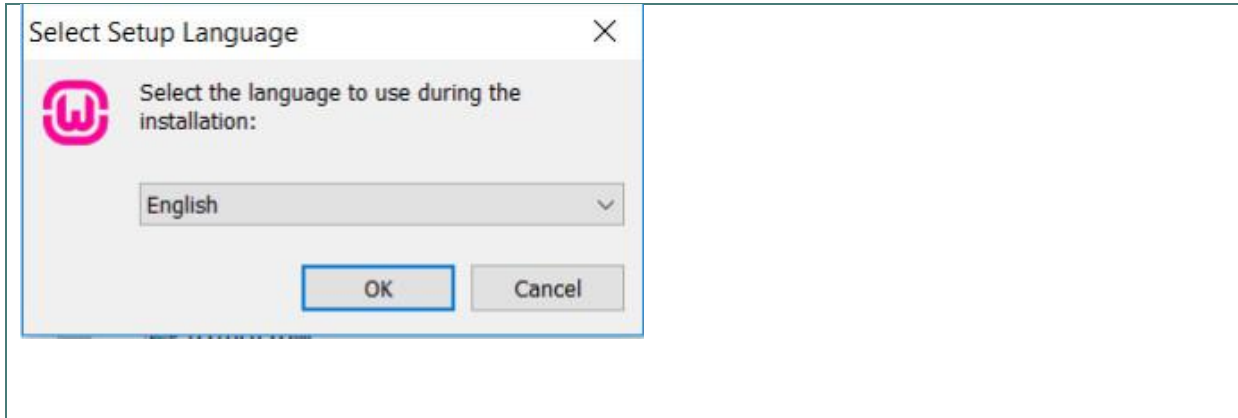
Figure 1: Select Setup Language
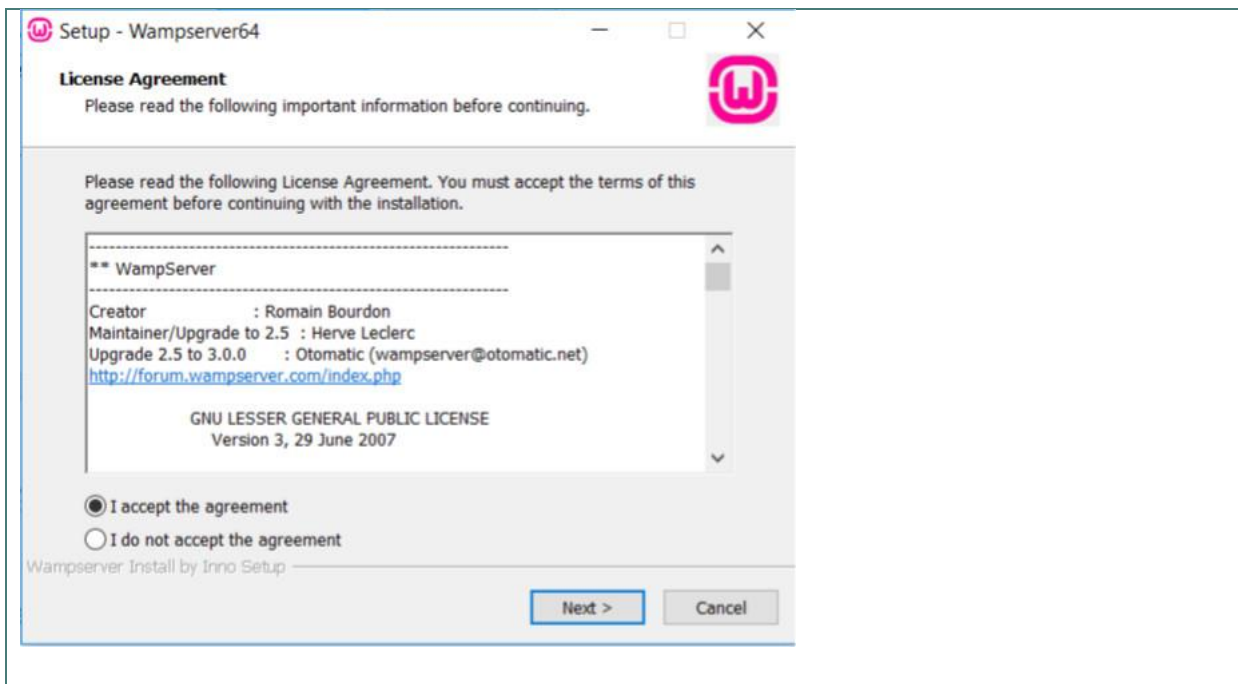
4. You will see license agreement screen.

Figure 2: License agreement screen

5. Click on [I accept the agreement] radio button and click [Next].
6. You will see an information screen. Before clicking [**Next]** on the Setup Wizard screen that appears as shown below, do read the contents of the window. Extracted content for your reading as below. Do **ensure all steps and installations** are taken prior to installation of your Wampserver.
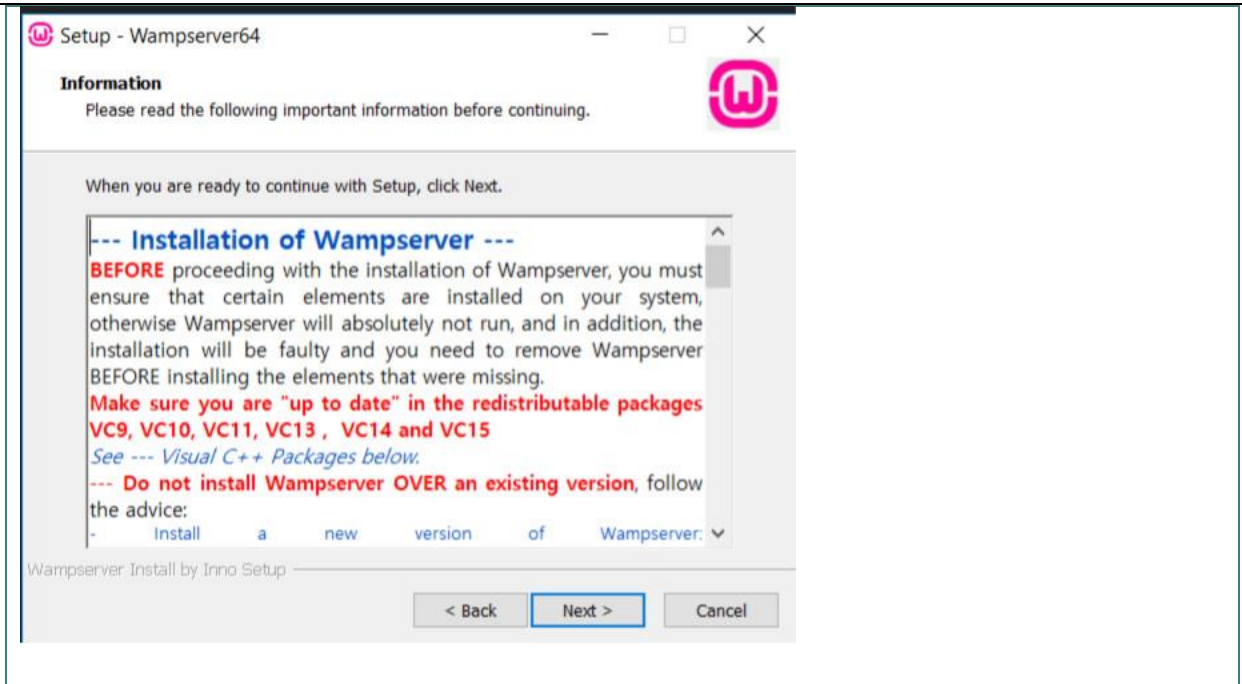
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Figure 3: Information screen

--- Installation of Wampserver ---

BEFORE proceeding with the installation of Wampserver, you must ensure that certain elements are installed on your system, otherwise Wampserver will absolutely not run, and in addition, the installation will be faulty and you need to remove Wampserver BEFORE installing the elements that were missing.

Make sure you are "up to date" in the redistributable packages VC9, VC10, VC11, VC13 , VC14 and VC15

See --- Visual C++ Packages below.

--- Do not install Wampserver OVER an existing version, follow the advice:

- Install a new version of Wampserver: http://forum.wampserver.com/read.php?2,123606

If you install Wampserver over an existing version, not only it will not work, but you risk losing your existing databases.

--- Install Wampserver in a folder at the root of a disk, for example C:₩wamp or D:₩wamp. Take an installation path that does not include spaces or diacritics; Therefore, no installation in c: ₩ Program Files₩ or C: ₩ Program Files (x86₩

We must BEFORE installing, disable or close some applications:

- Close Skype or force not to use port 80

Item No. 04 of the Wampserver TROUBLESHOOTING TIPS:http://forum.wampserver.com/read.php?2,134915

- Disable IIS

Item No. 08 of the Wampserver TROUBLESHOOTING TIPS:http://forum.wampserver.com/read.php?2,134915

If these prerequisites are not in place, Press the Cancel button to cancel the installation, then apply the prerequisites and restart the installation.

This program requires Administrator privileges to function properly. It will be launched with the "Run as administrator" option. If you do not want a program to have this option, cancel the installation.

--- Visual C++ Packages ---

The MSVC runtime libraries VC9, VC10, VC11 are required for Wampserver 2.4, 2.5 and 3.0, even if you use only Apache and PHP versions with VC11. Runtimes VC13, VC14 is required for PHP 7 and Apache 2.4.17 or more

-- VC9 Packages (Visual C++ 2008 SP1)

http://www.microsoft.com/en-us/download/details.aspx?id=5582

http://www.microsoft.com/en-us/download/details.aspx?id=2092

-- VC10 Packages (Visual C++ 2010 SP1)

http://www.microsoft.com/en-us/download/details.aspx?id=8328

http://www.microsoft.com/en-us/download/details.aspx?id=13523

-- VC11 Packages (Visual C++ 2012 Update 4)

The two files VSU4₩vcredist_x86.exe and VSU4₩vcredist_x64.exe to be download are on the same page: http://www.microsoft.com/en-us/download/details.aspx?id=30679

-- VC13 Packages Update 5(Visual C++ 2013)

The two files VSU4₩vcredist_x86.exe and VSU4₩vcredist_x64.exe to be download are on the same page: https://support.microsoft.com/en-us/help/4032938/

-- VC14 Packages (Visual C++ 2015 Update 3) Supersedes by VC15

-- VC15 Redistribuable (Visual C++ 2017) Supersedes by VC16

-- VC16 Redistribuable (Visual C++ 2015-2019)

https://aka.ms/vs/16/release/VC_redist.x86.exe

https://aka.ms/vs/16/release/VC_redist.x64.exe

VC2015-2019 (VC16) is backward compatible to VC2015 (VC14)and VC2017 (VC15). That means, a VC14 or VC15 module can be used inside a VC16 binary. Because this compatibility the version number of the Redistributable is 14.2x.xx and after you install the Redistributable VC2015-2019, VC2015 and VC2017 is removed but you can still use VC14 and VC15.

If you have a 64-bit Windows, you must install both 32 and 64bit versions of each VisualC++ package, even if you do not use Wampserver 64 bit

To verify that all VC ++ packages are installed and with the latest versions, you can use the tool:

http://wampserver.aviatechno.net/files/tools/check_vcredist.exe and you will find all the packages on http://wampserver.aviatechno.net/ in section Visual C++ Redistribuable Packages

You must install each package "as an administrator", so right-click the exe file and then run as Administrator. Do not use a previously loaded tool. Make a new download to make sure you are using the correct version.

Warning: Sometimes Microsoft may update the VC ++ package by breaking the download links and without redirect to the new. If the case happens to you, remember that item number 20 below will be updated and the page http://wampserver.aviatechno.net/ section Visual C++ Redistribuable Packages is up to date.

This is item number 20 of TROUBLESHOOTING TIPS of Wampserver:

http://forum.wampserver.com/read.php?2,134915

7. You will be asked to specify the Destination Location to be installed.
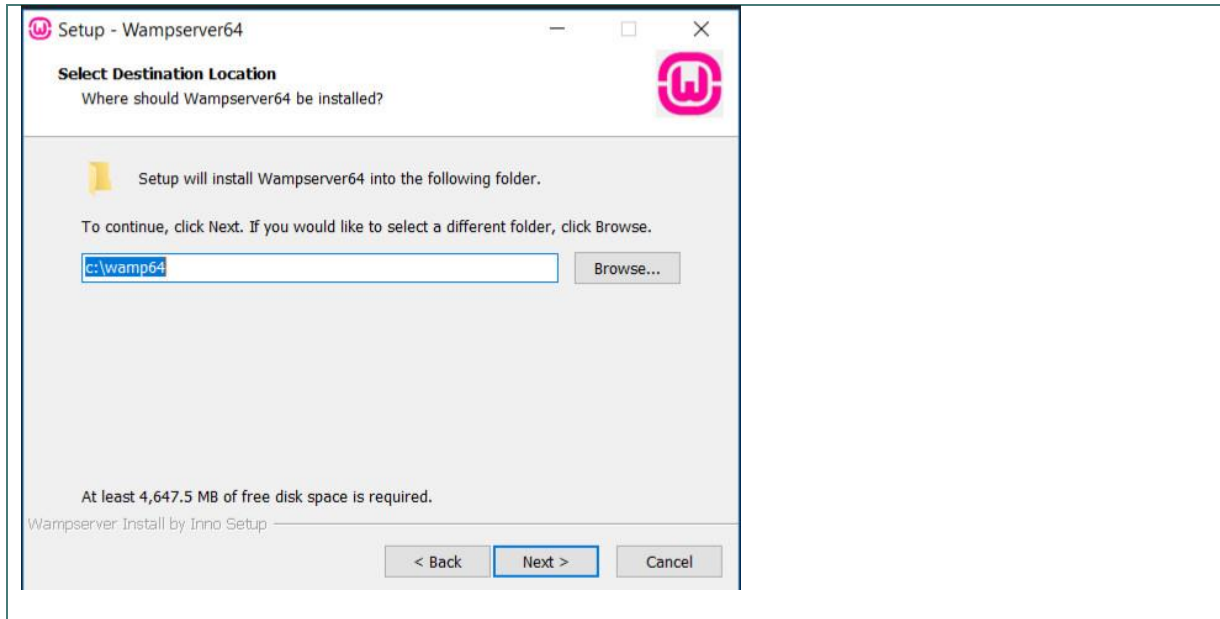

Figure: 4 Select Destination Location for installation.

8. Click [Next] to accept the default (recommended). Or [Browse] to specify your own folder but be sure to install to the root of any drive. C:\ or D:\ etc. Please remember the folder name if you choose to install in a different directory or drive.
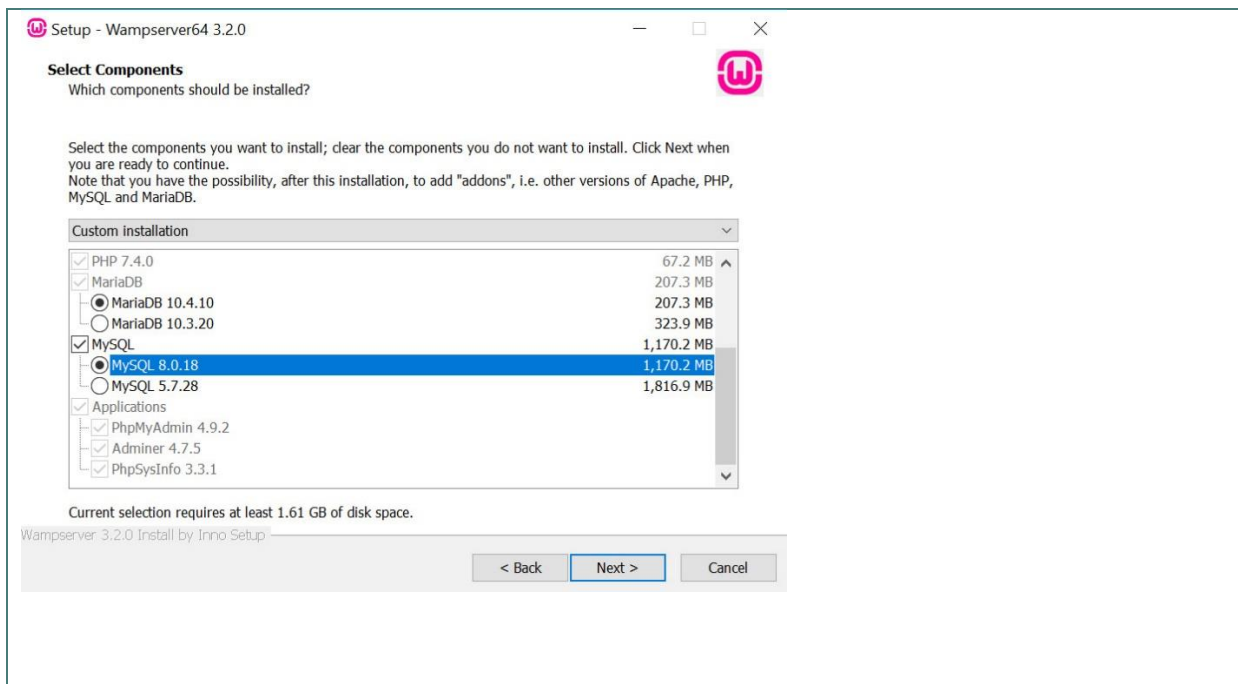9. IMPORTANT! Please **SELECT** MYSQL option. Click [Next] .

Figure 5: Select components to be installed.

10. You will be asked to Select a Start Menu Folder.
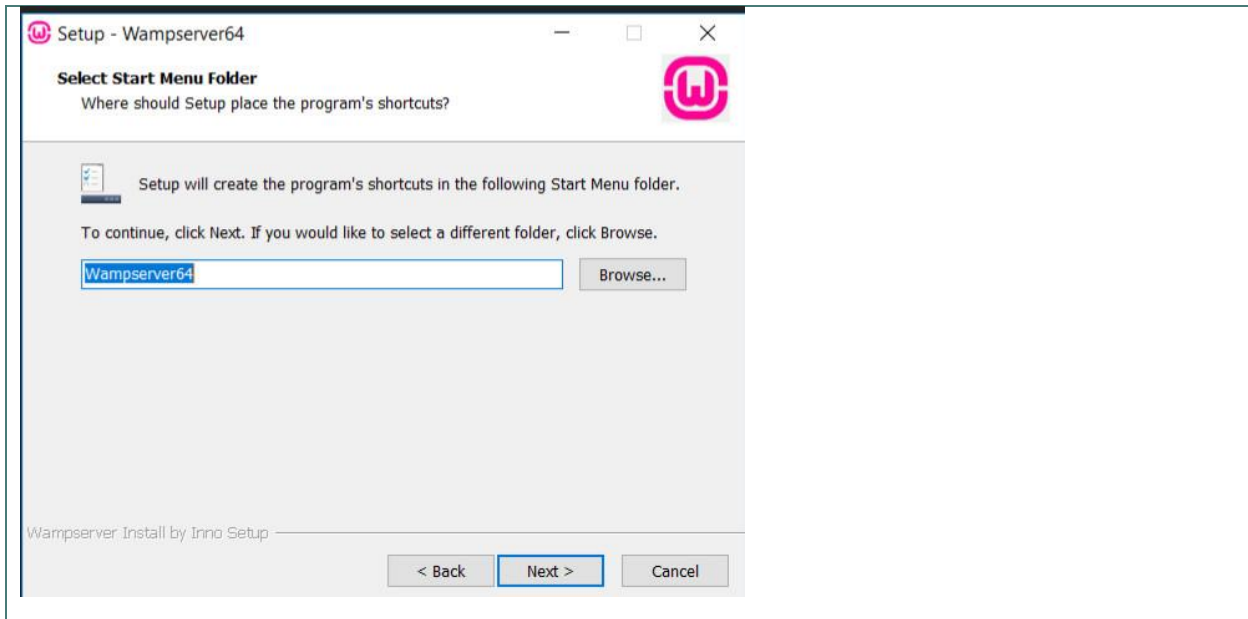
Figure 6: Start Menu Folder

11. Click [Next] to accept the default.
12. You will be shown a confirmation screen detailing the installation directory.
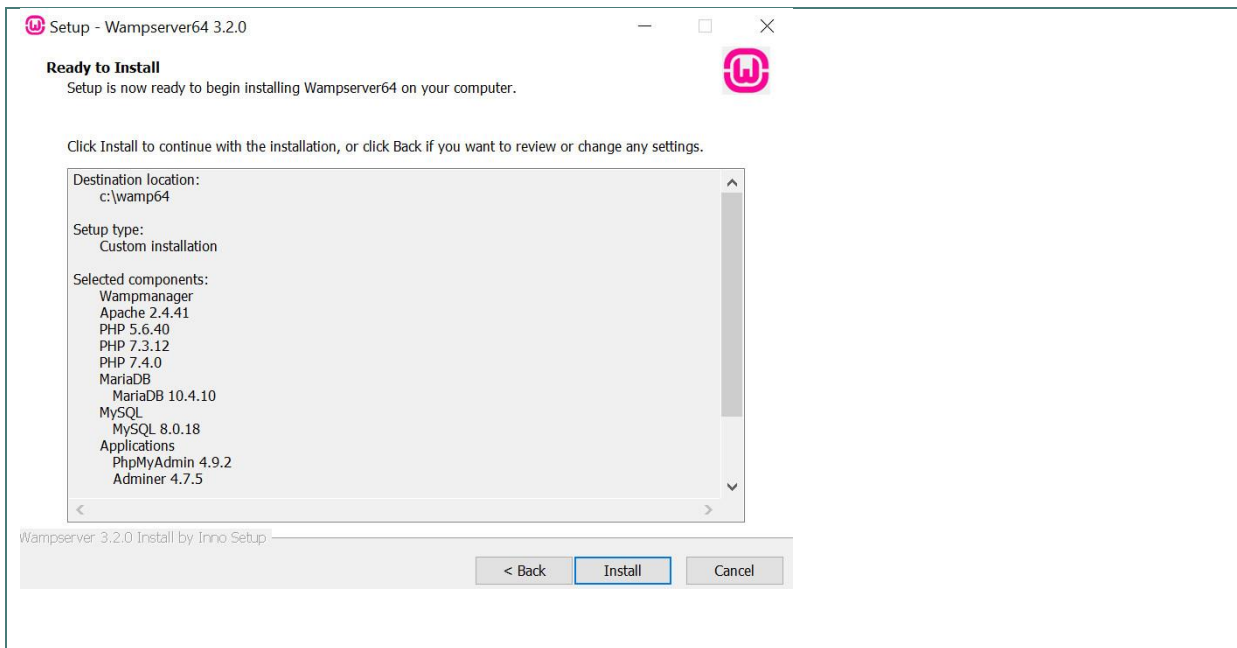
Figure 7: Installation confirmation screen.

13. Click [Install] if all the information is correct.
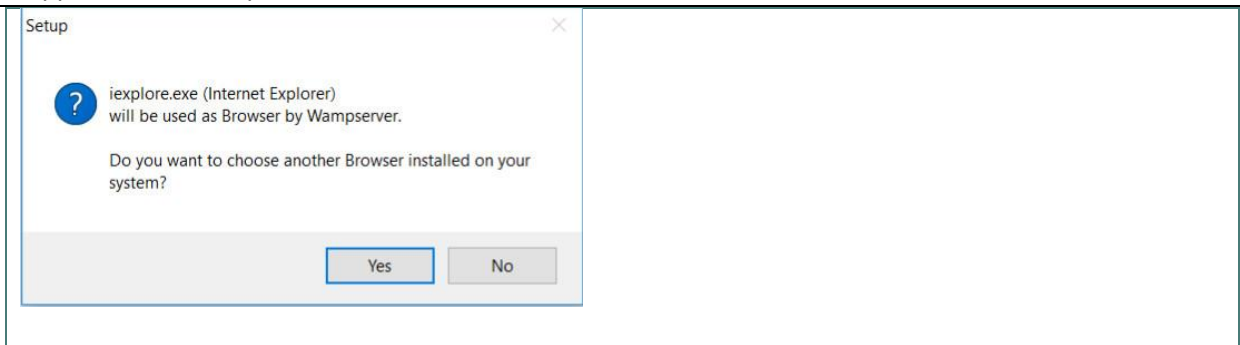14. Setup will ask for your default browser. We will use Chrome as our default Browser.

Figure 8: Choosing default browser

15. Click [Yes]. Go to C:\Program Files (x86)\Google\Chrome\Application and click on Chome.exe
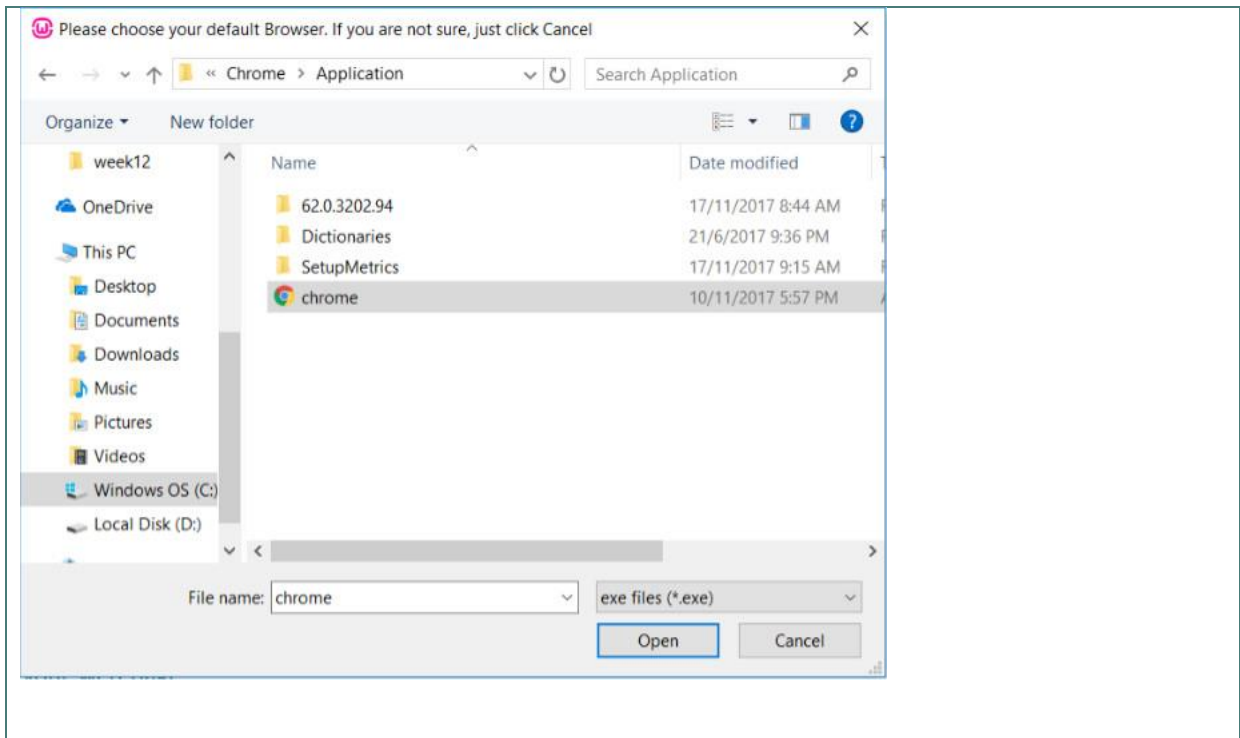
Figure 9: Selecting Chrome as default browser

16. Click [Open].
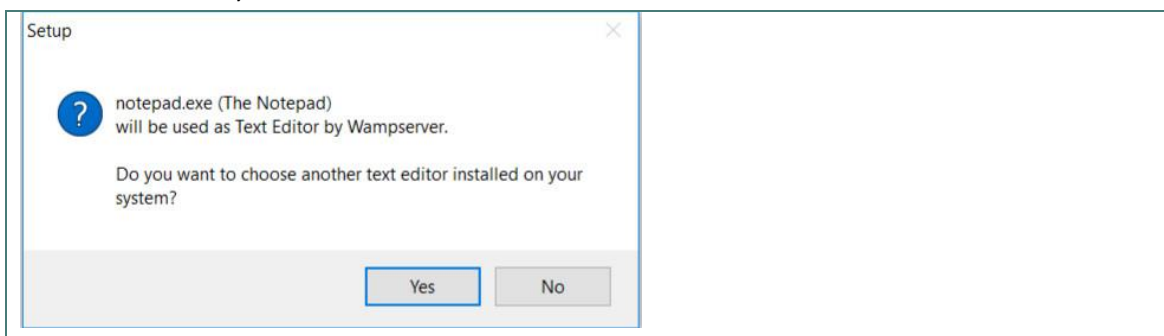17. You will be asked for your default text editor.

Figure 10: Text Editor Setup

18. Click [No] for now.

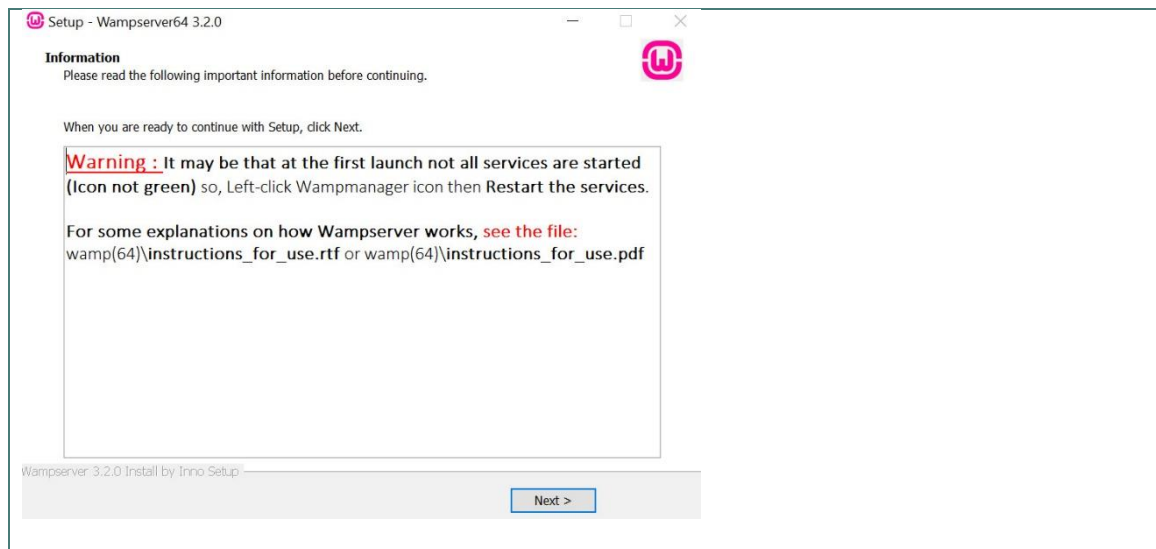19. Setup will ask you to read this screen. Click [Next] to complete the installation.

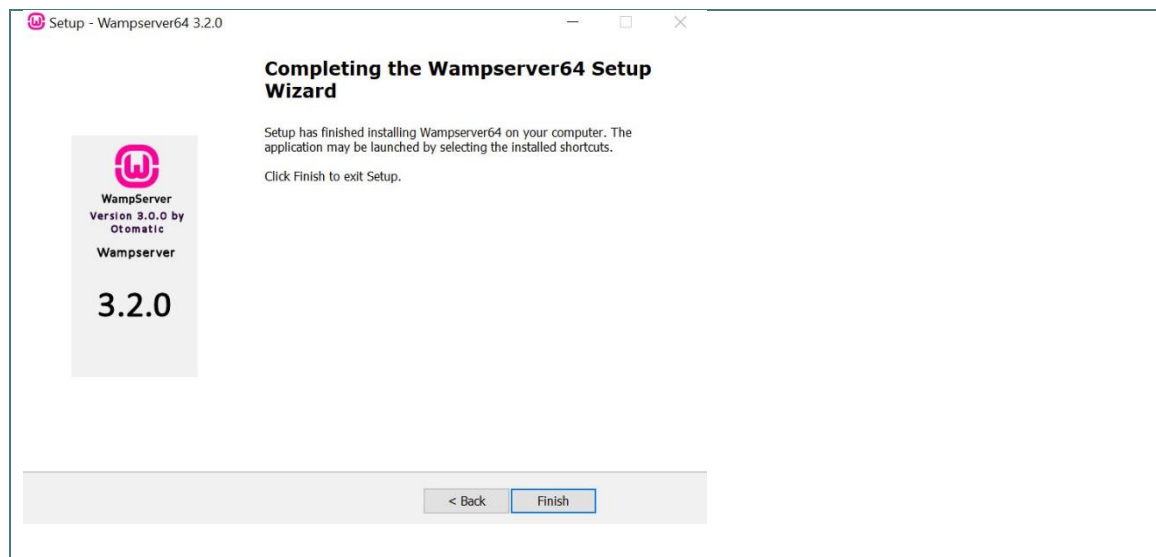Figure 11: Warning screen

20. Setup is completed.

Figure 12: Installation Completes

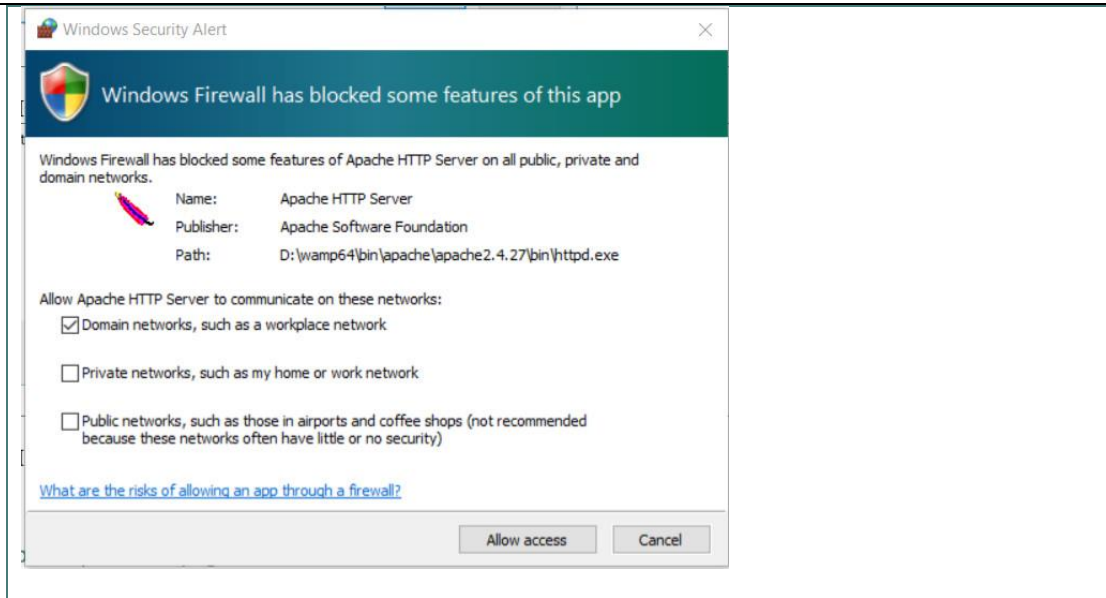21. If you happened to see a window security alert, click [allow access].

Figure 13: Windows Firewall.

22. Remember phpMyAdmin user name is root and there is no password.

3_1 Starting your WAMP server

1. Double click on the WAMPSERVER64 ICON on your desktop.
2. If you see User account control screen. [Do you want to allow this app from an unknown publisher to make changes to your device?] Click [Yes].
3. When WAMP is started, you will see an [W] icon in the task bar. Click on the [up arrow] (as highlighted in Blue Square in the figure below) in the taskbar to show hidden icons. The [W] icon is indicated by the red arrow.
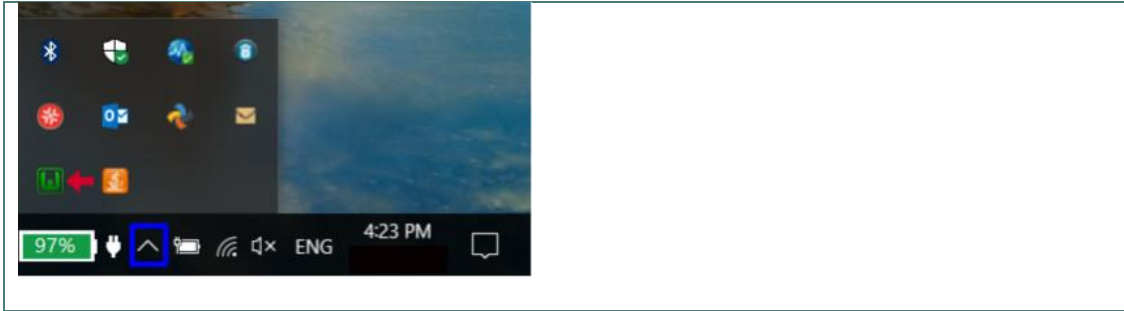

Figure 1: hidden icon in taskbar. WAMP icon is in the list of hidden icons.

4. The WAMP icon should be GREEN and when you mouse over the icon, it will say "local server: All services are running".
5. Left click on the icon and go to PHP->Version->7.4. We are using this version of PHP.
6. Make sure MYSQL version is 8.0.18.
7. **Disable MariaDB**. Right click on WAMP Icon in the tray. Wamp Settings -> Uncheck Allow MariaDB.
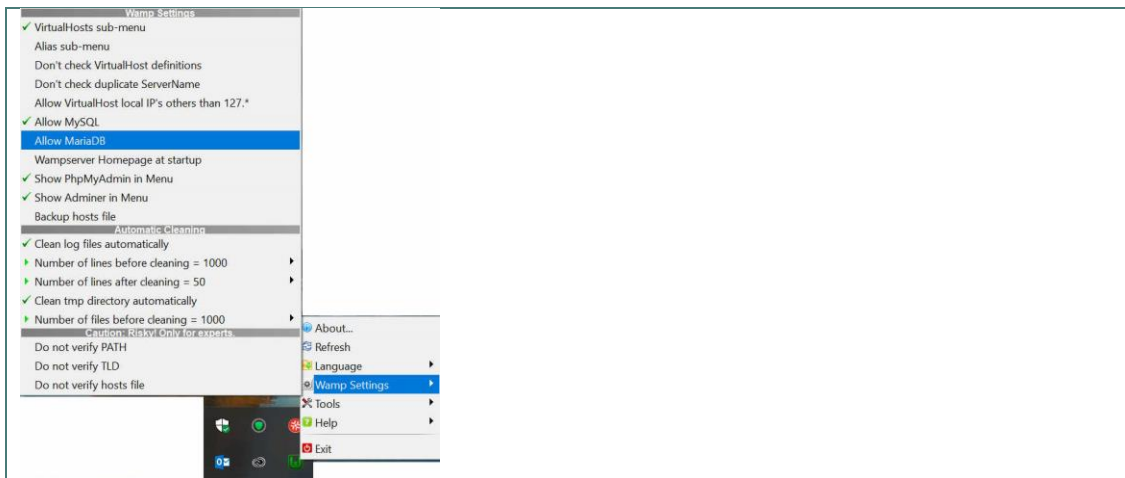

Figure 2: Disable MariaDB

8. Change the **DEFAULT PORT** of MYSQL to **3306**. Left Click on the WAMP Icon in the Tray.
MySQL->Use a Port other then 3308. When the prompt appears, type in 3306. You can also use change
the port number by Right Click WAMP Icon -> Tools-> under port use by MySQL-> use a port Other than XXXX.
WAMP will be restarted.

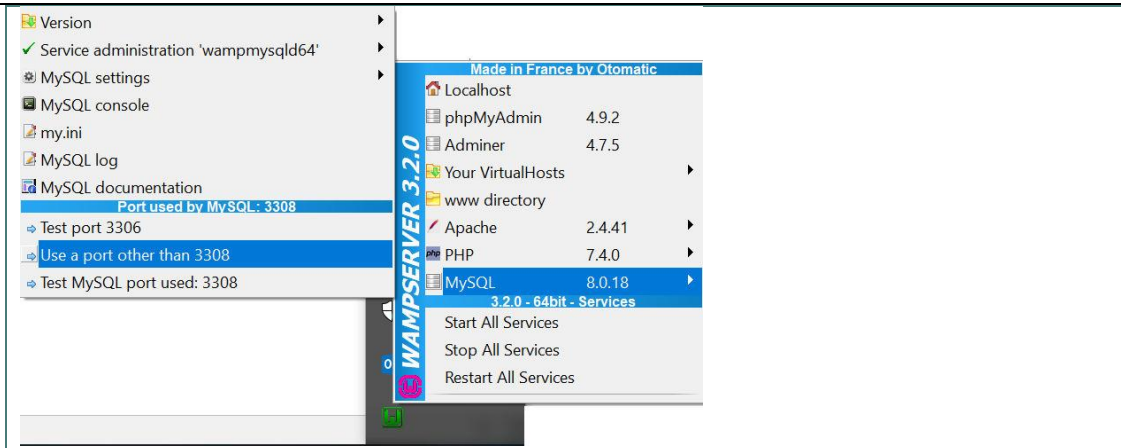*IS113 Web Application Development*

Figure 3: Change default port of MYSQL to 3306

9. Now check that PHP is working by going to Localhost-> Click on Link phpinfo() under Tools . PHP info page will show up if everything is working.

4_1 WWW Root Directory

1. Your Root directory will be in C:/wamp64/www
2. All your HTML , PHP, JS , CSS should all reside in folders within the www folder.

References

1. http://www.wampserver.com/en/