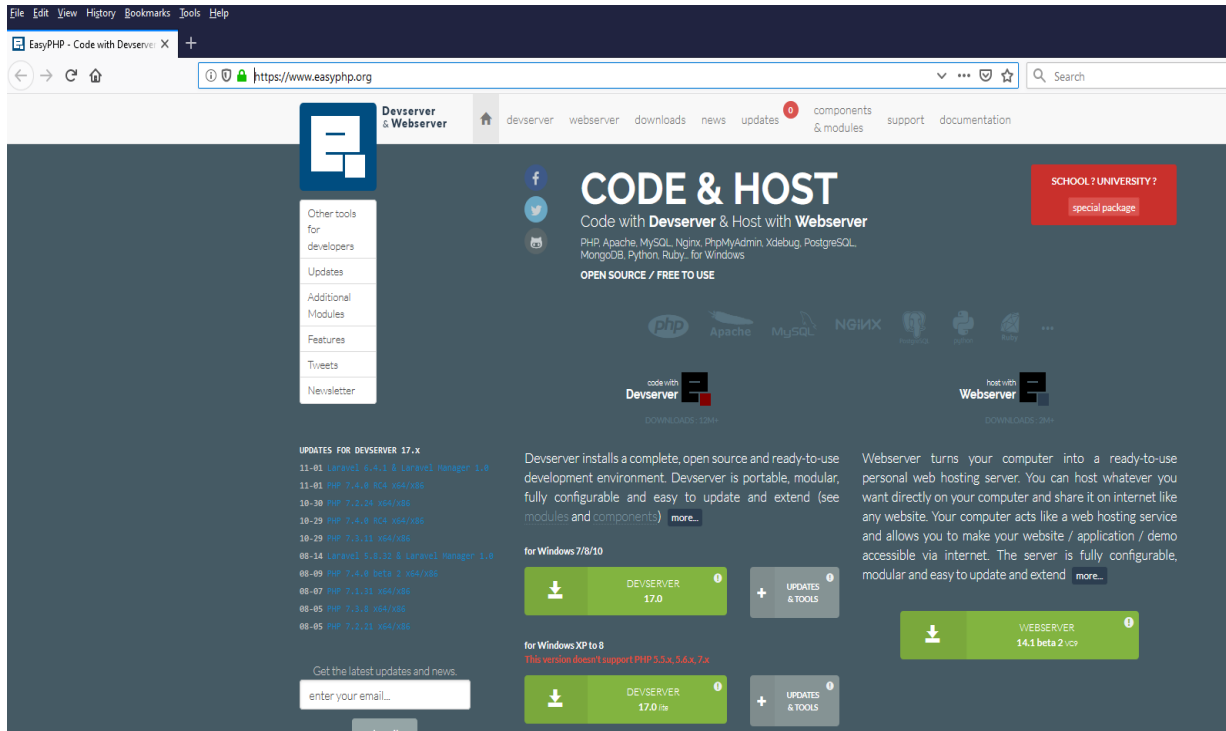


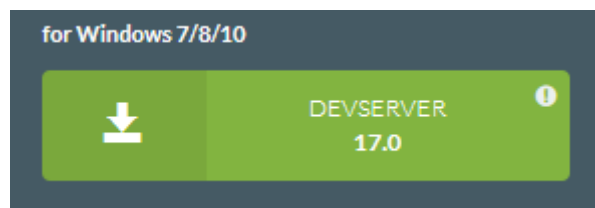
## Installing and Using DevServer 17.0 (EasyPhp) as a Portable Program

The restrictions in the IT laboratories for students, can cause some weird problems especially when running the **DevServer 17.0 software**. These notes hopefully guide you through how to get this program to work correctly.

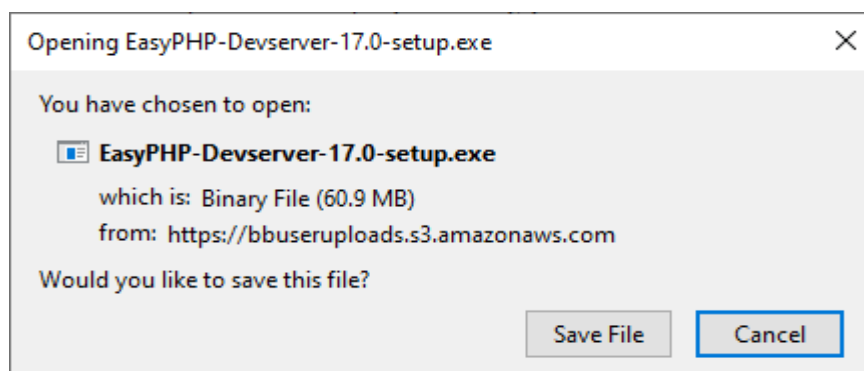
1. Using your preferred web browser go to <https://www.easyphp.org/>



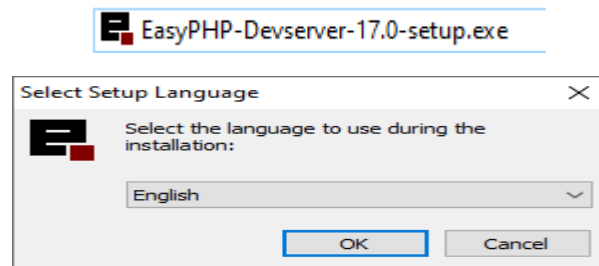
2. Click on the following link, to download the installer:



3. Save the installer:



4. Now run the installer (you should find this in the Downloads folder):



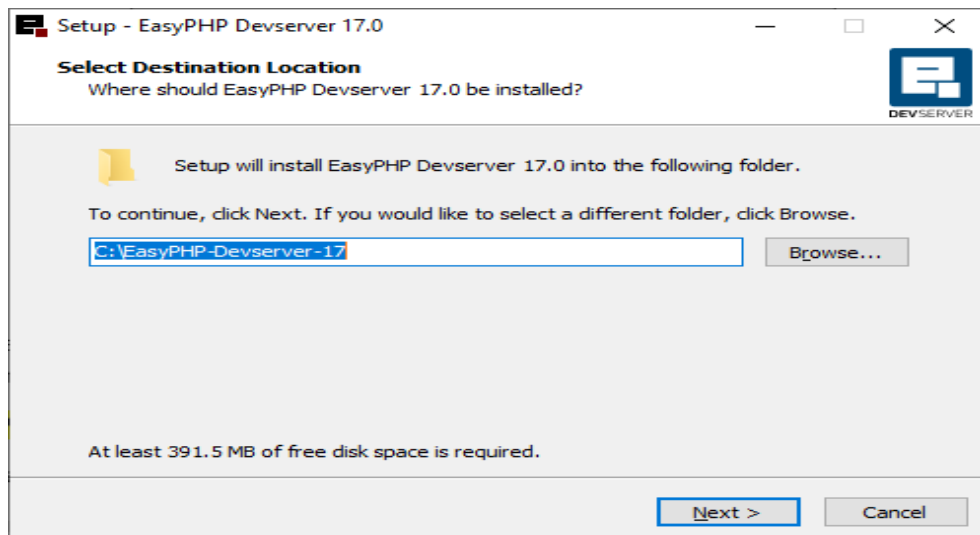
Click **Ok**.

5. You have two choices you can either install **DevServer 17.0** in the following folder in the computing IT laboratories:

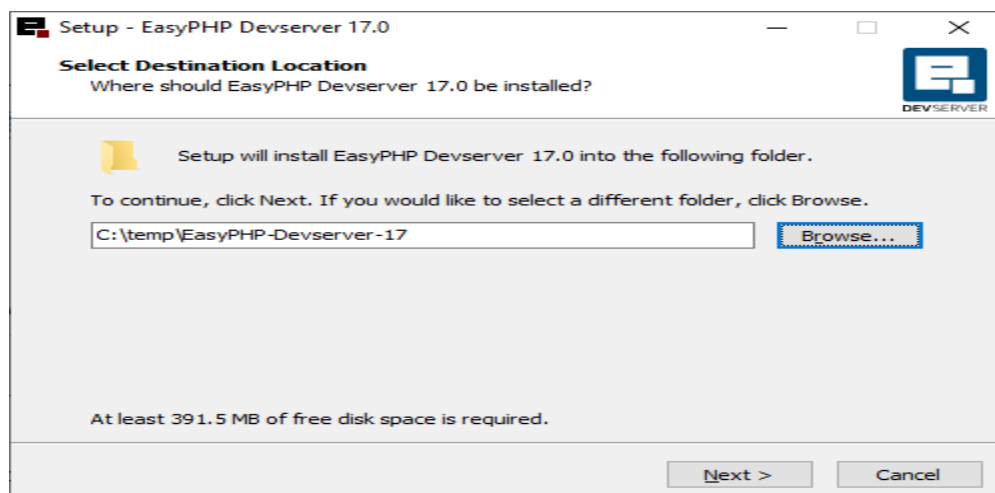
**C:\TEMP**

Or you can install **DevServer 17.0** onto your flash drive/external hard disk.

In this tutorial we will install **DevServer 17.0**, in the **TEMP** folder (directory) on drive **C:\**

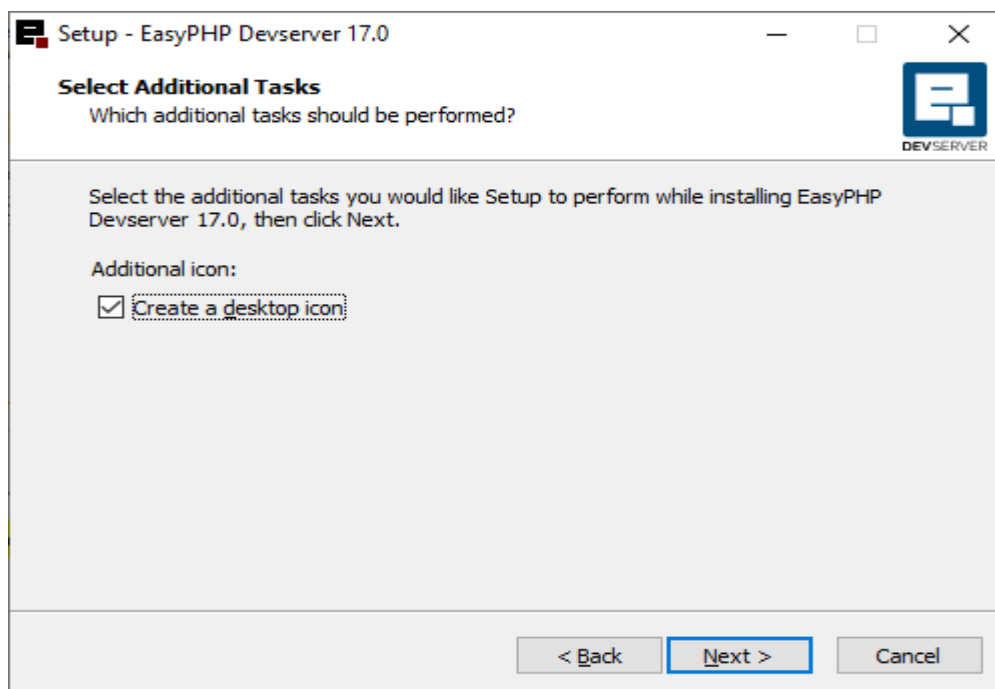


Change the install path to **C:\temp\EasyPHP-Devserver-17**



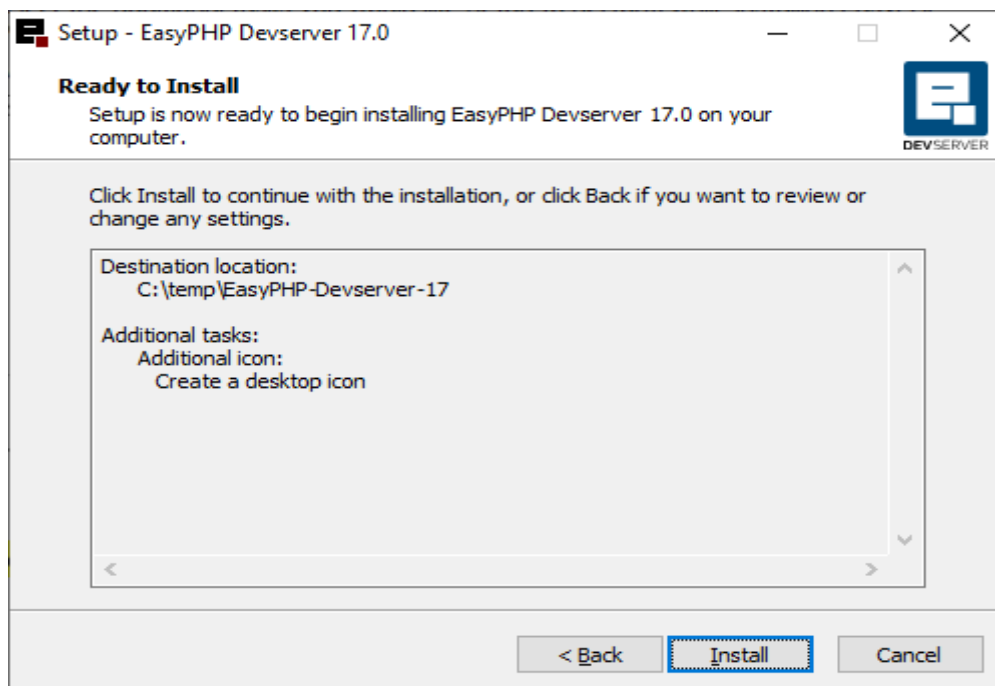
Click **Next**.

6. Setup...



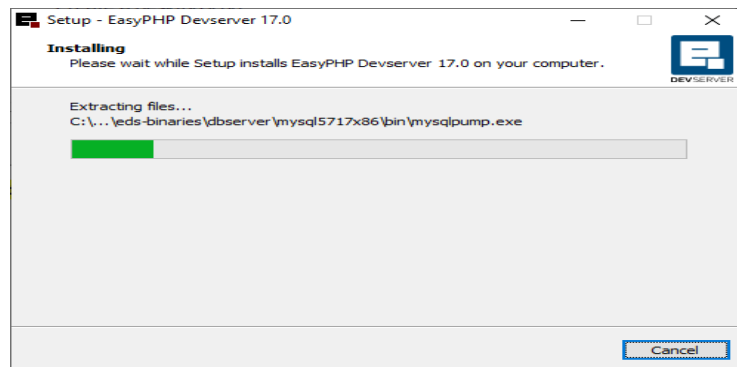
Click **Next.**

7. Ready to Install...

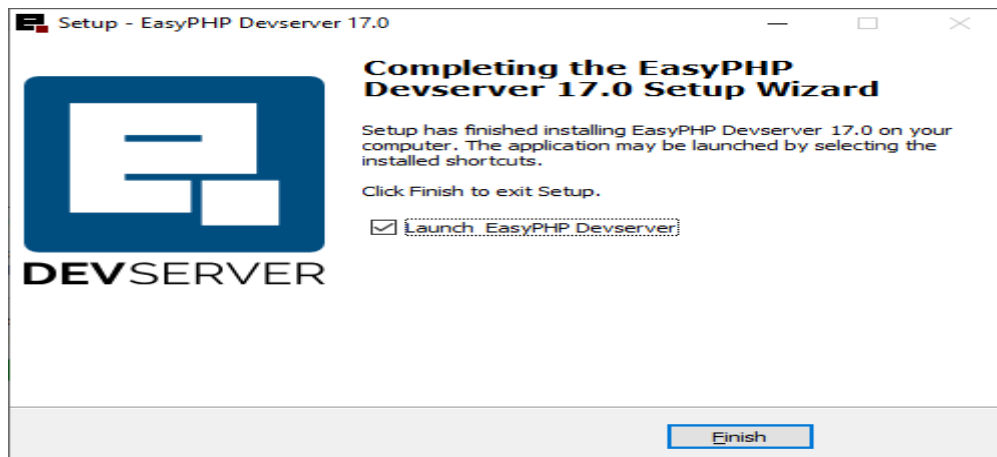


Click **Install.**

8. Installing...



9. Completed:

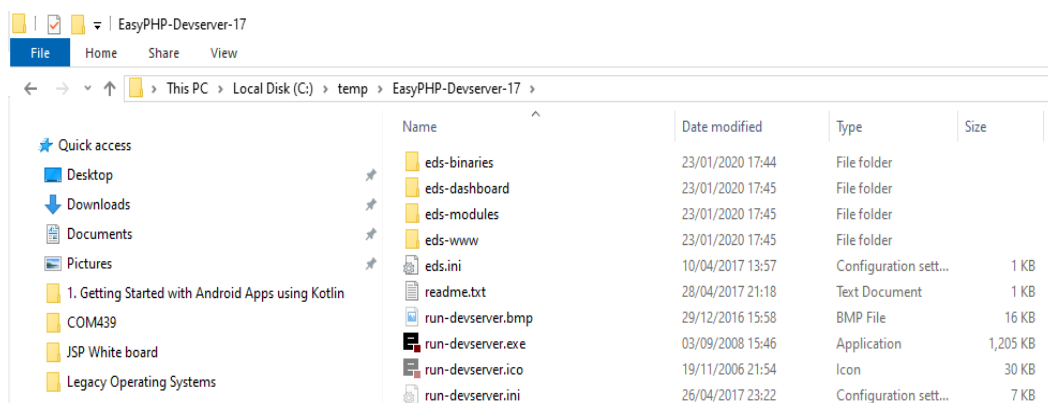


Untick Launch EasyPHP DevServer.



Click **Finish**.

10. Using Windows Explorer, go to the folder: **C:\Temp\EasyPHP-Devserver-17**

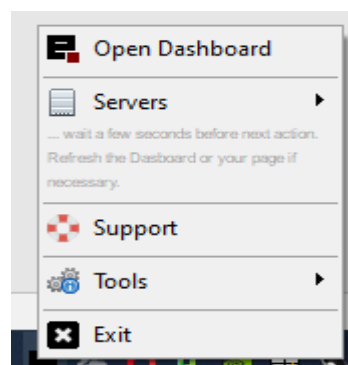


11. Run the program: **run-devserver**

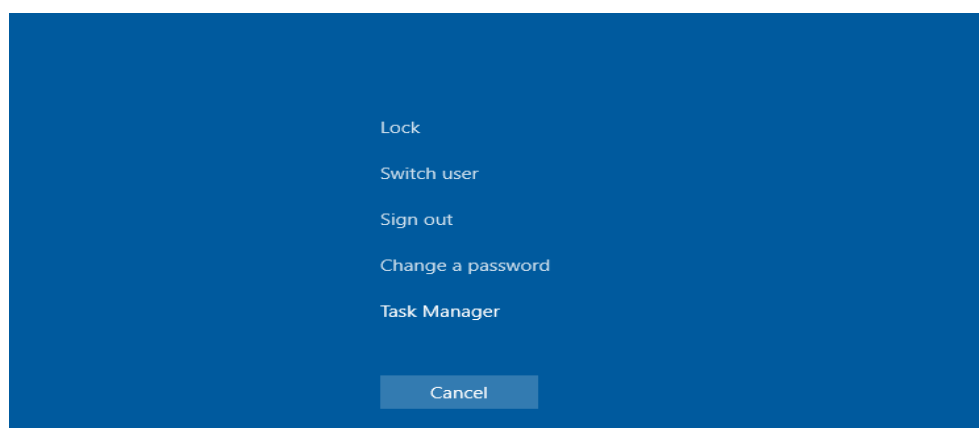
You should see the following icon in the system tray, a black **e** with a red square which may be hard to see due to the default colour scheme, so look for the small red square.



**NOTE:** The first time you run this program you may get odd results, it is best to close the program and then run it again, you may find the **Exit** option does not work.

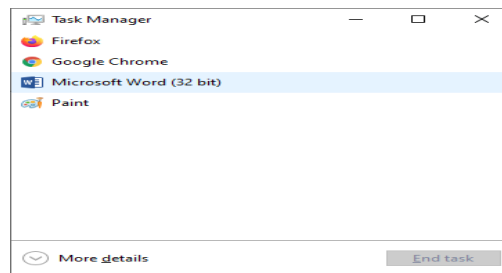


12. So to close the program, press **Ctrl + Alt + Del** to get the following menu:

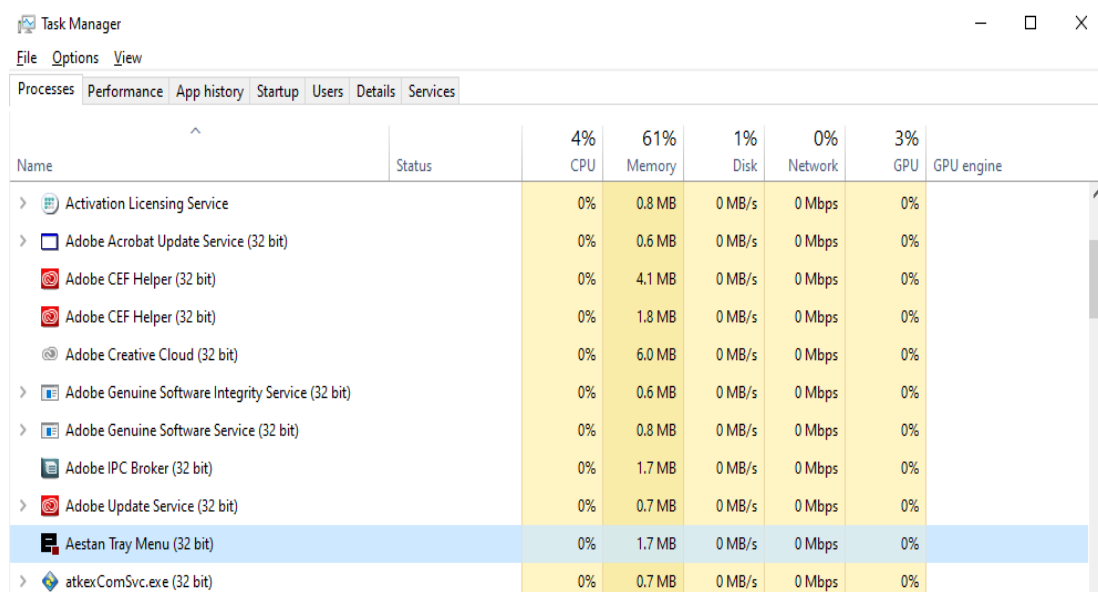


Choose **Task Manager**.

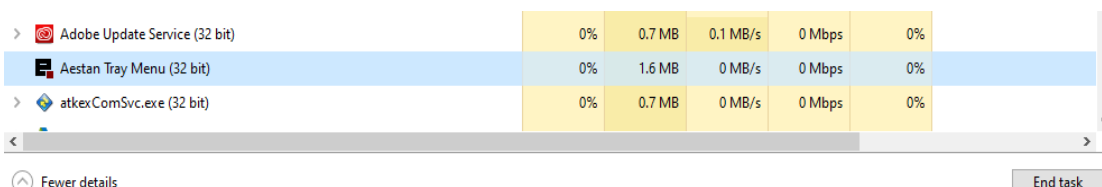
13. The Task Manager window:



14. Select **More Details** and then in the list find **Aestan Tray Menu (32 Bit)**:

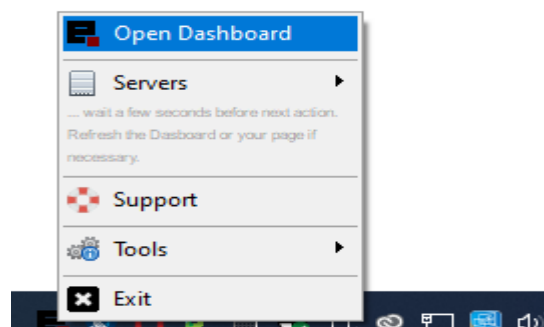


15. We need to kill this task so with **Aestan Tray Menu (32 Bit)** selected click the **End Task** button.

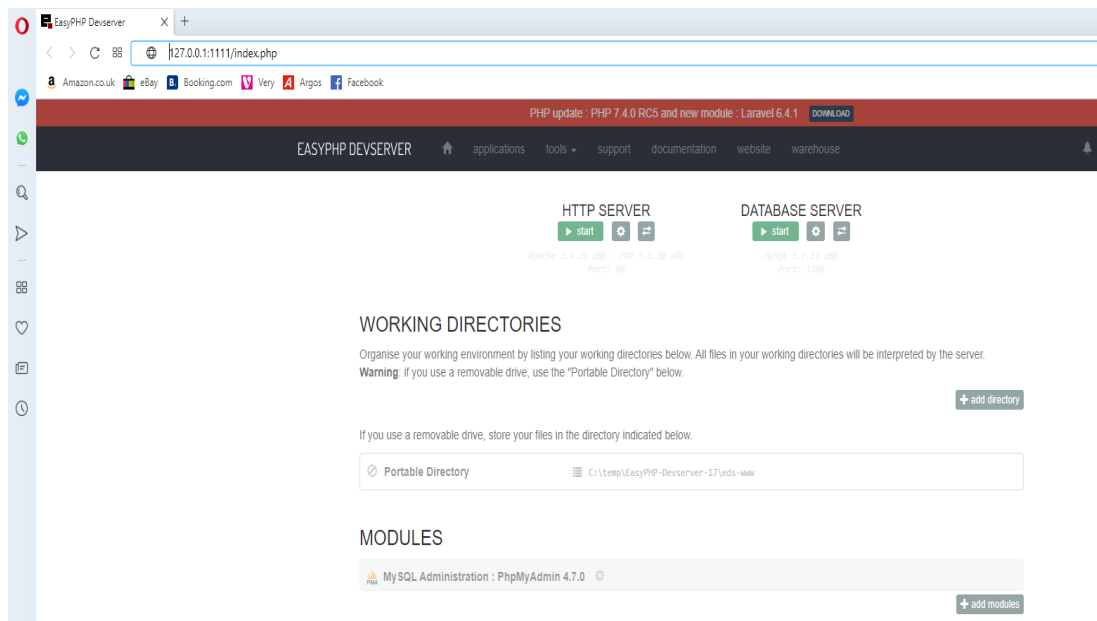


We can now close the **Task Manager**.

16. Now run the program **run-devserver** again, now **right click** on the black e and red square icon in the system and choose **Open Dashboard**.

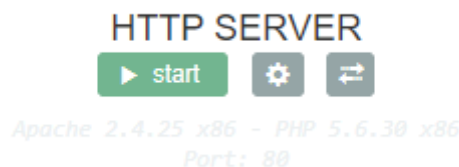


17. Depending on which web browser is set as default, you will get a web page like this:

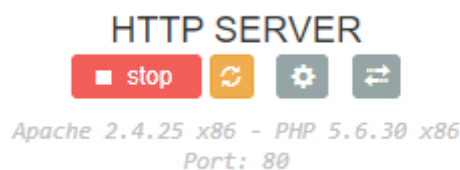


**NOTE:** If you have a problem with the default web browser crashing/not working. Point a working web browser at the following address: <http://127.0.0.1:1111>

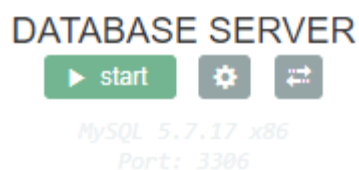
18. Now from the dashboard page you can start the HTTP Server, by clicking the following button:



If successful, the button will change, it will inform you which port is being used:



19. We can also start the Database Server by clicking the following button:



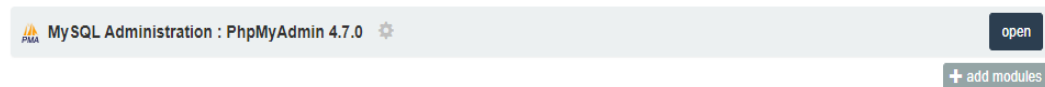
If successful, the button will now look like this, it will inform you of which port it is on:



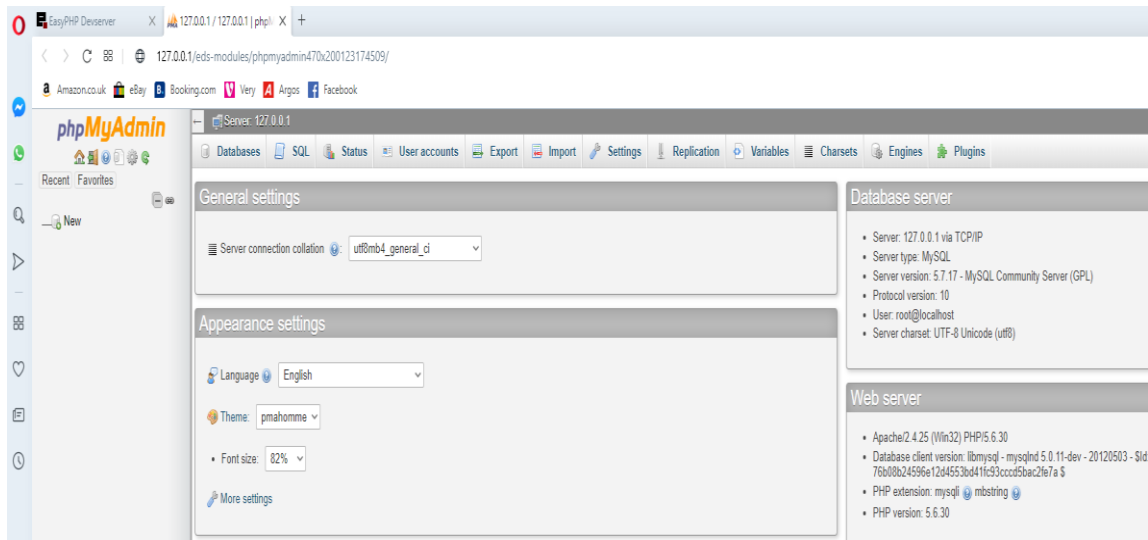
20. With the Database Server running you can now access the **MySQL Administration : PhpMyAdmin 4.7.0** web site.

Click on the **Open** button:

## MODULES



21. The **MySQL Administration : PhpMyAdmin 4.7.0** web site:



This can be used to create your MySQL database and tables.

22. When you are writing php code the **PHP Code Tester** can help with getting code to work correctly:

## PHP CODE TESTER

To quickly test a piece of code, use the editor below.

PHP version : 5.6.26 (if you need an higher version, test your code in a "Working Directory" or the "Portable Directory").

### Reminders :

- The PHP code needs to be enclosed in special tags : `<?php` and `?>`.
- Devserver is configured in such a way that all errors are reported (errors, warnings, notices...). Some of the notices and warnings may seem trivial at first, but they reveal holes in your code. We strongly encourage best practice coding standards in order to obtain a consistent, clean and portable code.


```
1 Example :<br />
2 <?php
3 echo "The current date is ";
4 echo date("l F d, Y");
5 ?>
```

interpret



23. Click the **interpret** button:

**interpret**

 Facebook

**CLOSE**

**Code**

```
1 Example :<br />
2 <?php
3 echo "The current date is ";
4 echo date("l F d, Y");
5 ?>
```

**interpret**

Code interpreted by the server and sent to the browser

Example :  
The current date is Thursday January 23, 2020

24. Delete the semi-colon (;) from the first echo statement and then press the interpret button:

**CLOSE**

**Code**

```
1 Example :<br />
2 <?php
3 echo "The current date is "
4 echo date("l F d, Y");
5 ?>
```

**interpret**

Code interpreted by the server and sent to the browser

**Parse error:** syntax error, unexpected 'echo' (T\_ECHO), expecting ',' or ';' in C:\temp\EasyPHP-Devserver-17\eds-dashboard\codetester\_source.php on line 4

25. Add the missing semi-colon ( ; ) at the end of the first echo statement and then press the interpret button again:

CLOSE

Code

```
1 Example :<br />
2 <?php
3 echo "The current date is ";
4 echo date("l F d, Y");
5 ?>
```

interpret

Code interpreted by the server and sent to the browser

Example :  
The current date is Thursday January 23, 2020

Clicking the **Close** button takes you back to the dashboard:

EASYPHP DEVSERVER

HTTP SERVER

stop

refresh

settings

restart

Apache 2.4.25 x86 - PHP 5.6.30 x86  
Port: 80

DATABASE SERVER

stop

refresh

settings

restart

MySQL 5.7.17 x86  
Port: 3306

WORKING DIRECTORIES

Organise your working environment by listing your working directories below. All files in your working directories will be interpreted by the server.  
Warning: if you use a removable drive, use the "Portable Directory" below.

+ add directory

If you use a removable drive, store your files in the directory indicated below.

Portable Directory

C:\temp\EasyPHP-Devserver-17\eds-www

MODULES

MySQL Administration : PhpMyAdmin 4.7.0

open

+ add modules

26. To test a web page, click on the **Portable Directory** (the hint says **Open in Browser**):

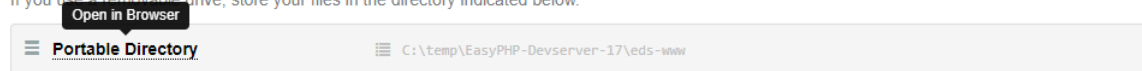
## WORKING DIRECTORIES

Organise your working environment by listing your working directories below. All files in your working directories will be interpreted by the server.

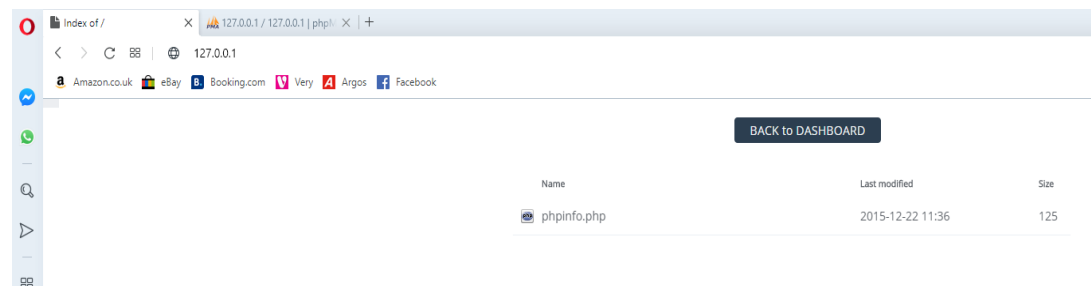
**Warning:** if you use a removable drive, use the "Portable Directory" below.

[+ add directory](#)

If you use a removable drive, store your files in the directory indicated below.

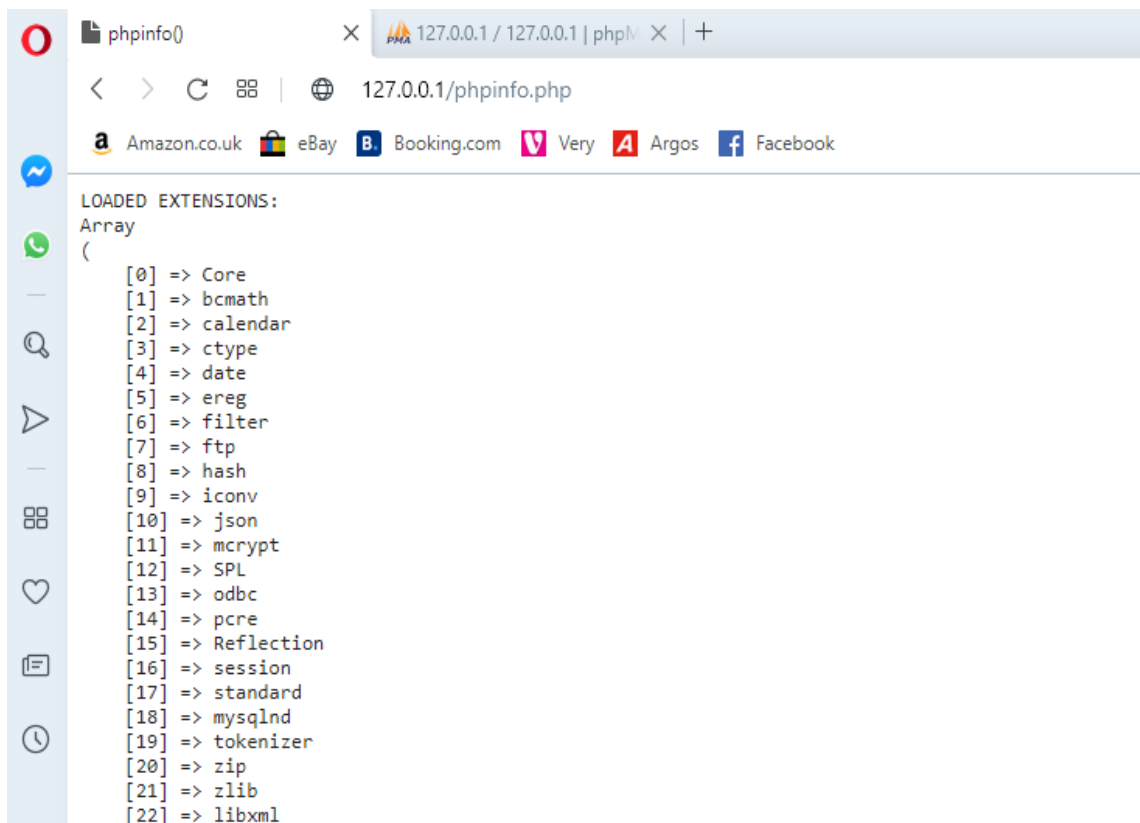


27. From here you can click on any php file, in this example the file is called phpinfo.php, it demonstrates the use of the function **phpinfo()** :



Click on the file: **phpinfo.php**

28. The output from **phpinfo.php** is many pages in length:



PHP Version 5.6.30	
System	Windows NT STU006612W 6.2 build 9200 (Windows 8 Professional Edition) i586
Build Date	Jan 19 2017 19:42:12
Compiler	MSVC11 (Visual C++ 2012)
Architecture	x86
Configure Command	cmd.exe /c: "cd c:\php & phpize --enable-snapshot-build --disable-ldap --enable-debug-pack --without-mssql --without-pdo-mssql --without-pdo-oci --with-pdo-oci=c:\php\src\oci\src --enable-object-out-dir=. --enable-com-dlnet-shared --with-mcrypt-static --without-analyzer --with-pgsql"
Server API	Apache 2.0 Handler
Virtual Directory Support	enabled
Configuration File (php.ini) Path	C:\WINDOWS
Loaded Configuration File	C:\temp\EasyPHP-DevServer-17\eds-binaries\php\php5630vc11x86\200123174509\php.ini
Scan this dir for additional .ini files	(none)
Additional .ini files parsed	(none)
PHP API	20131106
PHP Extension	20131226
Zend Extension	220131226
Zend Extension Build	API220131226,TS,VC11
PHP Extension Build	API20131226,TS,VC11
Debug Build	no
Thread Safety	enabled
Zend Signal Handling	disabled
Zend Memory Manager	enabled
Zend Multibyte Support	provided by mbstring
IPv6 Support	enabled
DTrace Support	disabled
Registered PHP Streams	php, file, glob, data, http, ftp, zip, compress.zlib, compress.bzip2, phar

29. For More information this link may help:

<https://www.easyphp.org/documentation/devserver/>

30. **Done!**

## References

Easyphp HomePage

<https://www.easyphp.org/>

DevServer Tray Menu

<https://www.easyphp.org/documentation/devserver/tray-menu.php>