

Ethical hacking and penetration testing

HOME

LOCALBITCOIN:

How to install web server on Windows 10 (Apache 2.4, PHP 8, MySQL 8.0 and phpMyAdmin)

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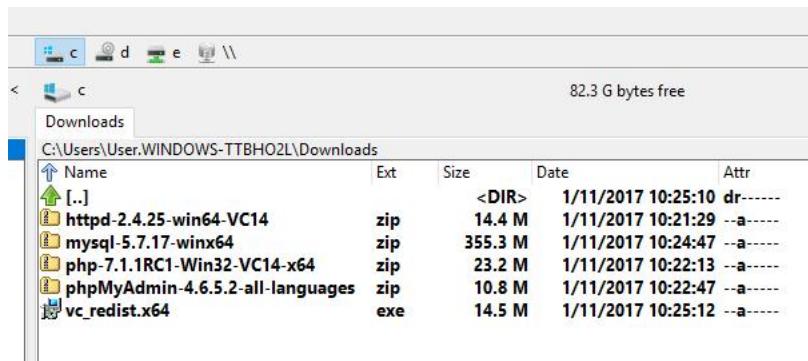
ALSO RECOMMENDED

1. Downloading Apache, PHP, MySQL, phpMyAdmin

- Download Apache for Windows: <https://www.apachelounge.com/download/>
- Download PHP 8 for Windows (select 'Thread Safe'): <https://windows.php.net/download/>
- Download MySQL for Windows (select ZIP Archive): <http://dev.mysql.com/downloads/mysql/>
- Download phpMyAdmin: <https://www.phpmyadmin.net/>
- Download the latest Visual C++ Redistributable for Visual Studio 2015-2019: (direct link to download the [64-bit](#) version, a direct link to the download of the [32-bit](#) version).

Now we have files:

- httpd-2.4.29-Win64-VC15.zip
- php-7.2.0-Win32-VC15-x64.zip
- mysql-8.0.11-win64.zip
- phpMyAdmin-4.7.7-all-languages.zip
- vc_redist.x64.exe



Run and install the **vc_redist.x64.exe** file, we will not return to it.

2. Create necessary folders

On the drive **C** create a directory **Server**; inside it create the **bin** directory (we will install Apache, PHP, and MySQL there) and **data** directory (our websites and databases will be located there).

We continue our preparations. In the **data** directory create two folders:

- **DB** (database will be stored here)
- **htdocs** (websites will be stored here)

Tree of the important folders that are mentioned in this manual:

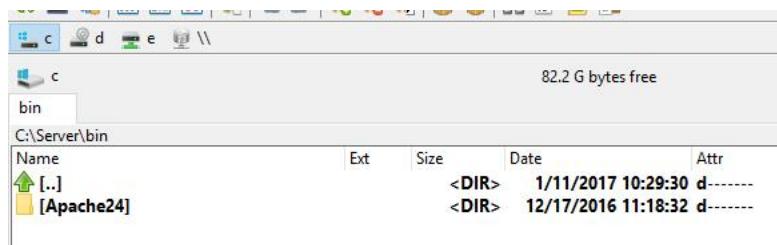
```

1 C:.
2   bin
3     Apache24
4       conf
5       mysql-8.0
6       PHP
7       Sendmail
8   certs
9   data
10    DB
11      data
12      htdocs
13        phpmyadmin
14    manage

```

3. Installation and configuration Apache 2.4 on Windows

Unpack the Apache files (archive httpd-2.4.25-win64-VC14.zip) to the **C:\Server\bin** directory (we are interested only in the **Apache24** folder):



After unpacking, go to the **c:\Server\bin\Apache24\conf** folder and open the **httpd.conf** file with any text editor.

Replace



```
1 | Define SRVROOT "c:/Apache24"
```

with

```
1 | Define SRVROOT "c:/Server/bin/Apache24"
```

replace

```
1 | #ServerName www.example.com:80
```

with

```
1 | ServerName localhost
```

replace

```
1 | DocumentRoot "${SRVROOT}/htdocs"
```

with

```
1 | DocumentRoot "c:/Server/data/htdocs/"
```

replace

```
1 | <Directory "${SRVROOT}/htdocs">
```

with

```
1 | <Directory "c:/Server/data/htdocs/">
```

replace

```
1 | DirectoryIndex index.html
```

with

```
1 | DirectoryIndex index.php index.html index.htm
```

replace

```
1 | # AllowOverride controls what directives may be placed in .htaccess files.
2 | # It can be "All", "None", or any combination of the keywords:
3 | #   AllowOverride FileInfo AuthConfig Limit
4 | #
5 | AllowOverride None
```

with

```
1 | # AllowOverride controls what directives may be placed in .htaccess files.
2 | # It can be "All", "None", or any combination of the keywords:
3 | #   AllowOverride FileInfo AuthConfig Limit
4 | #
5 | AllowOverride All
```

and replace

```
1 | #LoadModule rewrite_module modules/mod_rewrite.so
```

with

```
1 | LoadModule rewrite_module modules/mod_rewrite.so
```

Save and close the file. Apache configuration is complete!

Open a command prompt (it can be done by simultaneously pressing **Win + X**). Select **'Windows PowerShell (admin)'**:

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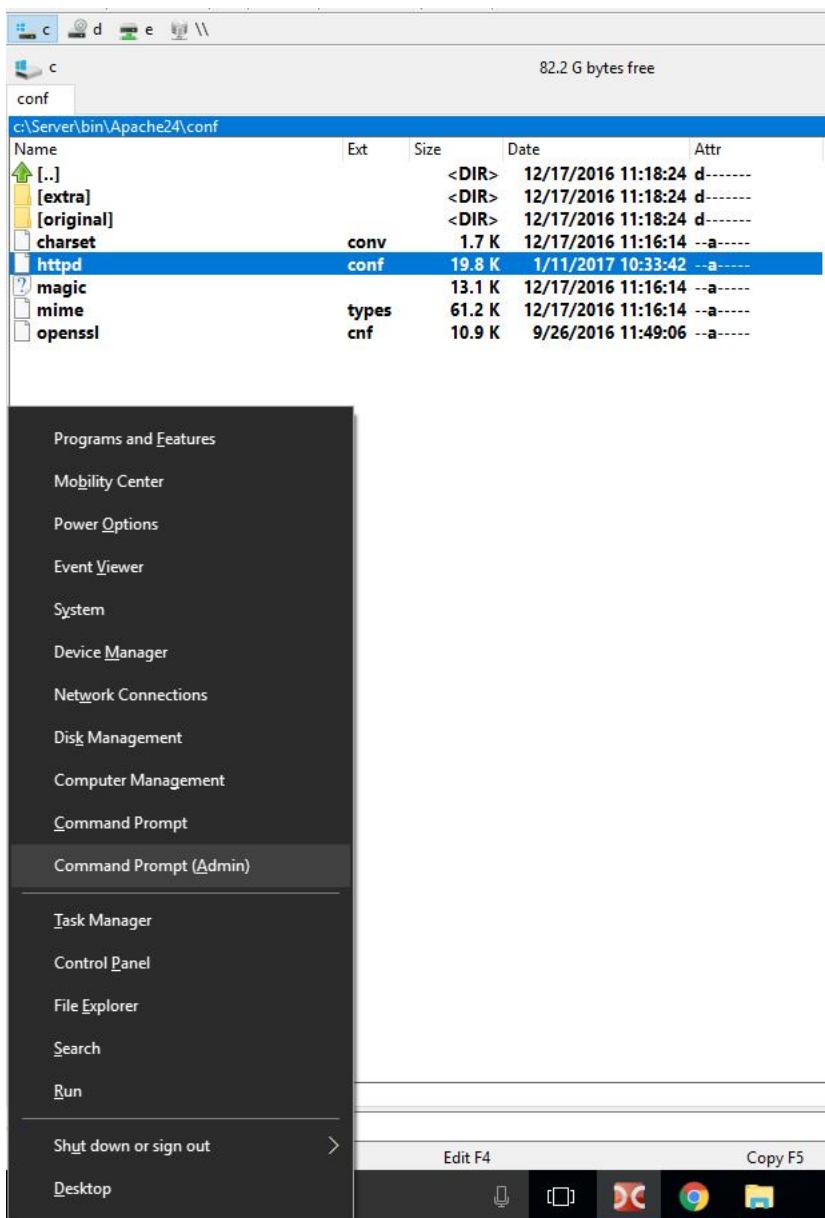
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Copy-paste:

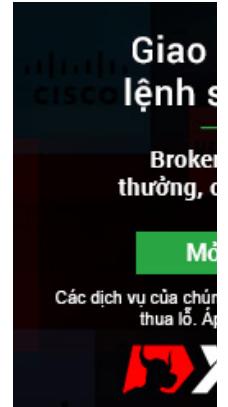
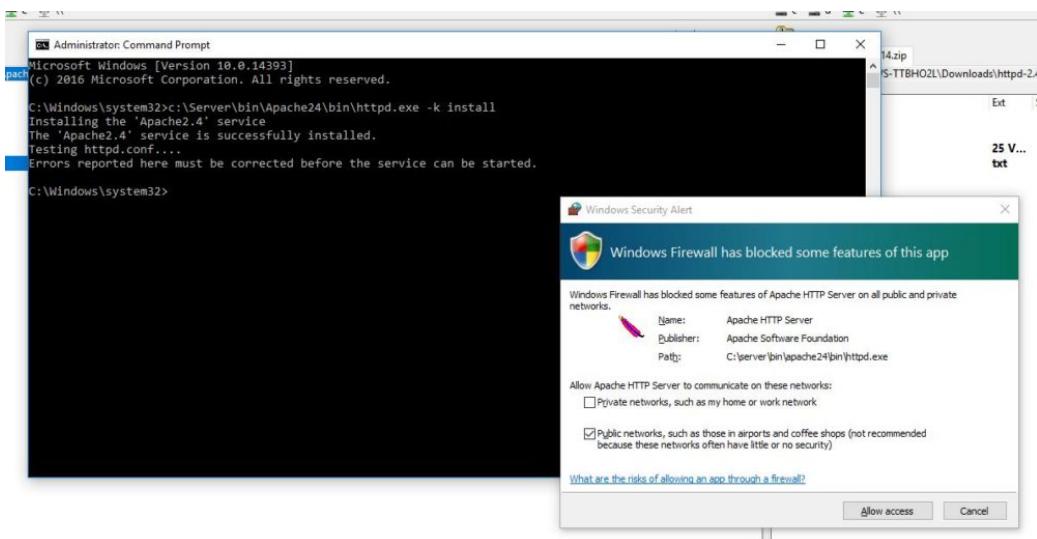
```
1 | c:\Server\bin\Apache24\bin\httpd.exe -k install
```

and press Enter.

If you see Firewall prompt, select '**Allow access**'.

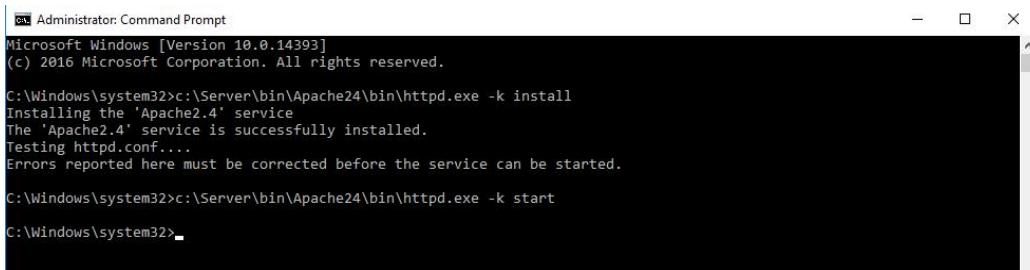
- Alex on Quick w unknown encoding
- Karl Reyka on decode unknown e
- maestro on subdomains enum monitoring (also Windows!)
- Anonymous on How on (internal or exte How to install Tails
- dave on Wi-Fi adap Atheros QCA937 capture data pack mode (SOLVED)

- Sublert
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Source: New Penet Tools | Published on
- Name-That-Hash
Source: New Penet Tools | Published on
- Squid
Source: New Penet Tools | Published on
- Johnny
Source: New Penet Tools | Published on
- Nmap
Source: New Penet Tools | Published on



Also copy-paste and run:

```
1 | c:\Server\bin\Apache24\bin\httpd.exe -k start
```



Afterwards in your browser follow the link <http://localhost/> you'll see something like that



Index of /

It means:

- Apache works
- directory **c:\Server\data\htdocs** is empty

You can play with your new shiny web-server: add html-files to the folder, your server is running.

4. Installation and configuration MySQL 8.0 on Windows

In the **c:\Server\bin** folder unpack MySQL archive (the mysql-8.0.11-winx64.zip file). Rename it to **mysql-8.0** (just for short).

Go inside the **mysql-8.0** folder and create **my.ini** file. Open this file with any text editor. Copy-paste the following lines:

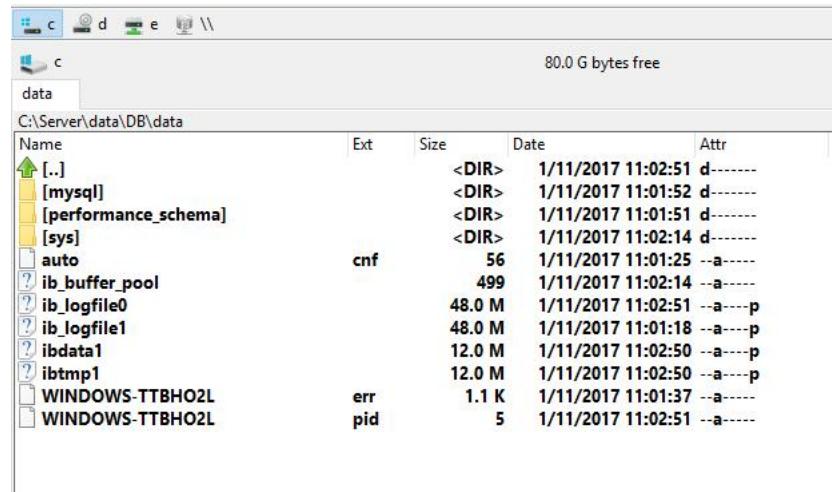
```
1 [mysqld]
2
3 sql_mode=NO_ENGINE_SUBSTITUTION,STRICT_TRANS_TABLES
4 datadir="c:/Server/data/DB/data/"
5 default_authentication_plugin=mysql_native_password
```

Save and close it.

Configuration is completed! But we have to initialize and install MySQL 8.0 on Windows. Open Command Prompt (as Admin) and run:

```
1 C:\Server\bin\mysql-8.0\bin\mysqld --initialize-insecure --user=root
2 C:\Server\bin\mysql-8.0\bin\mysqld --install
3 net start mysql
```

Once the process completed, inside the **C:\Server\data\DB\data** folder automatically generated files should appear:



From now MySQL service will start automatically with every Windows boot.

If initialization failed and there is lack of files in the **C:\Server\data\DB\data** folder and MySQL service failed to start, or in the **C:\Server\data\DB\data*.err** file you got errors like that:

```
1 [ERROR] InnoDB: Operating system error number 87 in a file operation
2 [ERROR] InnoDB: File .\ib_logfile101: 'aio write' return OS error 187.
3 [ERROR] InnoDB: Cannot continue operation
```

To cope the issue, remove all files from **C:\Server\data\DB\data** folder, and to the **my.ini** file add the line:

```
1 innodb_flush_method=normal
```

After that initialize MySQL again:

```
1 C:\Server\bin\mysql-8.0\bin\mysqld --initialize-insecure --user=root
2 C:\Server\bin\mysql-8.0\bin\mysqld --install
3 net start mysql
```

Everyone who has issues with MySQL service, to fix it try to reset MySQL installation and install in from scratch:

1. Remove the service:

```
1 net stop mysql
2 c:\Server\bin\mysql-8.0\bin\mysqld --remove
```

2. In the **c:/Server/data/DB/data/** folder remove all files

3. Initialize and install the service:

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ⓘ
 ✎

```
1 | C:\Server\bin\mysql-8.0\bin\mysqld --initialize-insecure --user=root
2 | C:\Server\bin\mysql-8.0\bin\mysqld --install
3 | net start mysql
```

If the problem persists please provide the content of the **C:\Server\data\DB\data*.err** file.

5. Installation PHP 8 on Windows

In the **c:\Server\bin** create new **PHP** folder and copy there the contents of **php-7.1.1RC1-Win32-VC14-x64.zip**.

Again open the **c:\Server\bin\Apache24\conf\httpd.conf** file and append it with lines:

```
1 | PHPIniDir "C:/Server/bin/PHP"
2 | AddHandler application/x-httpd-php .php
3 | LoadModule php_module "C:/Server/bin/php/php8apache2_4.dll"

526 | #       DUE TO STATICALLY COMPILED-IN MODS_SSI.
527 | #
528 | <IfModule ssl_module>
529 | SSLRandomSeed startup builtin
530 | SSLRandomSeed connect builtin
531 | </IfModule>
532 |
533 | PHPIniDir "C:/Server/bin/PHP"
534 | AddHandler application/x-httpd-php .php
535 | LoadModule php7_module "C:/Server/bin/PHP/php7apache2_4.dll"
536 |
537 |
```

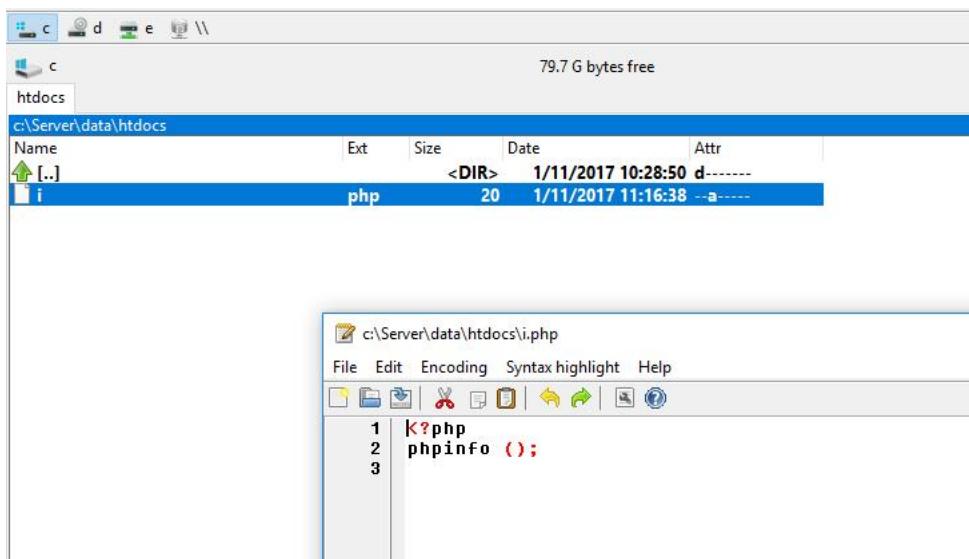
And restart Apache:

```
1 | c:\Server\bin\Apache24\bin\httpd.exe -k restart
```

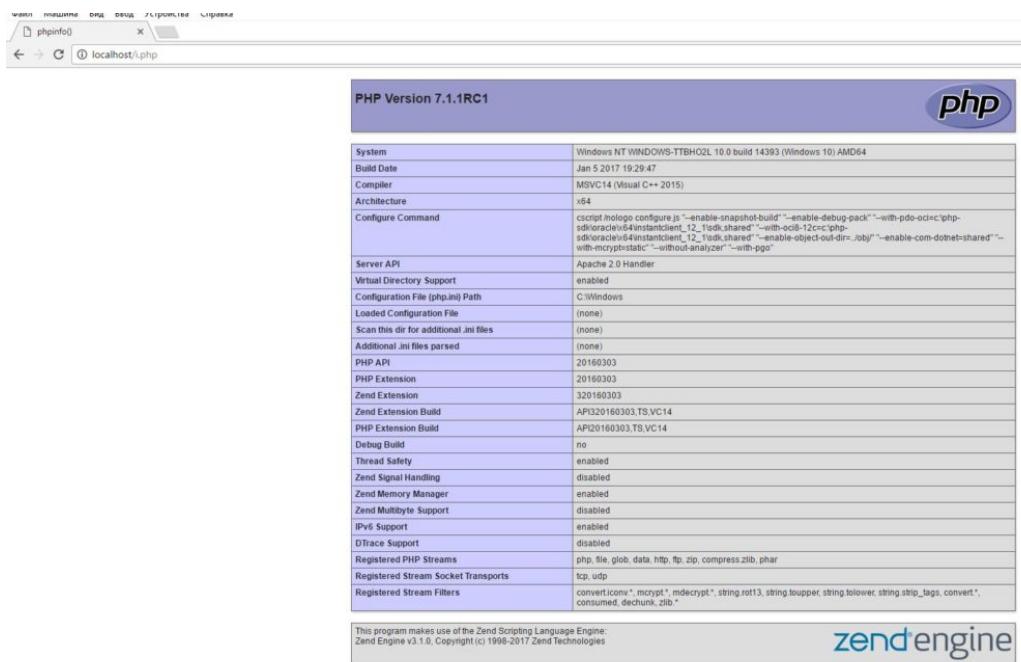
The screenshot shows a Windows Command Prompt window titled 'Administrator: Command Prompt'. The title bar also displays 'Microsoft Windows [Version 10.0.14393]' and '(c) 2016 Microsoft Corporation. All rights reserved.' The command entered was 'c:\Server\bin\Apache24\bin\httpd.exe -k restart'. The prompt then changes to 'C:\Windows\system32>'.

In the **c:\Server\data\htdocs** folder create **i.php** file and copy to there:

```
1 | <?php
2 | phpinfo();
```



In a browser open the <http://localhost/i.php> address. If you see something like this, it means PHP works:



6. Configuration PHP 8

In the **c:\Server\bin\PHP** folder rename **php.ini-development** file to **php.ini**. Open it with a text editor. Find the string

```
1 | ; extension_dir = "ext"
```

and replace it with

```
1 | extension_dir = "C:\Server\bin\PHP\ext\"
```

Now find the group of strings:

```
1 | ;extension=bz2
2 | ;extension=curl
3 | ;extension=ffi
4 | ;extension=ftp
5 | ;extension=fileinfo
6 | ;extension=gd
7 | ;extension=gettext
8 | ;extension=gmp
9 | ;extension=intl
```

```

10 ;extension=imap
11 ;extension=ldap
12 ;extension=mbstring
13 ;extension=exif      ; Must be after mbstring as it depends on it
14 ;extension=mysqli
15 ;extension=oci8_12c ; Use with Oracle Database 12c Instant Client
16 ;extension=odbc
17 ;extension=openssl
18 ;extension=pdo_firebird
19 ;extension=pdo_mysql
20 ;extension=pdo_oci
21 ;extension=pdo_odbc
22 ;extension=pdo_pgsql
23 ;extension=pdo_sqlite
24 ;extension=pgsql
25 ;extension=shmop

```

and replace it with

```

1 extension=bz2
2 extension=curl
3 extension=ffi
4 extension=ftp
5 extension=fileinfo
6 extension=gd
7 extension=gettext
8 extension=gmp
9 extension=intl
10 extension=imap
11 extension=ldap
12 extension=mbstring
13 extension=exif      ; Must be after mbstring as it depends on it
14 extension=mysqli
15 ;extension=oci8_12c ; Use with Oracle Database 12c Instant Client
16 extension=odbc
17 extension=openssl
18 ;extension=pdo_firebird
19 extension=pdo_mysql
20 ;extension=pdo_oci
21 extension=pdo_odbc
22 extension=pdo_pgsql
23 extension=pdo_sqlite
24 extension=pgsql
25 extension=shmop

```

Now uncomment this group of strings:

```

1 ;extension=soap
2 ;extension=sockets
3 ;extension=sodium
4 ;extension=sqlite3
5 ;extension=tidy
6 ;extension=xsl

```

They should look like:

```

1 extension=soap
2 extension=sockets
3 extension=sodium
4 extension=sqlite3
5 extension=tidy
6 extension=xsl

```

Save the file and restart Apache.

7. Installation and configuration phpMyAdmin on Windows

To the **c:\Server\data\htdocs** folder copy the content of phpMyAdmin-4.6.5.2-all-languages.zip. Rename phpMyAdmin-4.6.5.2-all-languages to **phpmyadmin** (for brevity).

In the **c:\Server\data\htdocs\phpmyadmin** folder create **config.inc.php** file and copy there:

```

1 <?php
2
3 /* Servers configuration */
4 $i = 0;
5
6 /* Server: localhost [1] */
7 $i++;
8 $cfg['Servers'][$i]['verbose'] = '';

```

```

9 $cfg['Servers'][$i]['host'] = 'localhost';
10 $cfg['Servers'][$i]['port'] = '';
11 $cfg['Servers'][$i]['socket'] = '';
12 $cfg['Servers'][$i]['connect_type'] = 'tcp';
13 $cfg['Servers'][$i]['auth_type'] = 'cookie';
14 $cfg['Servers'][$i]['user'] = 'root';
15 $cfg['Servers'][$i]['password'] = '';
16 $cfg['Servers'][$i]['nopassword'] = true;
17 $cfg['Servers'][$i]['AllowNoPassword'] = true;
18
19 /* End of servers configuration */
20
21 $cfg['blowfish_secret'] = 'kjLGJ8g;Hj3m1Hy+Gd~FE3mN{gIATs^1lX+T=KVYv{ubK*U0V';
22 $cfg['DefaultLang'] = 'en';
23 $cfg['ServerDefault'] = 1;
24 $cfg['UploadDir'] = '';
25 $cfg['SaveDir'] = '';
26
27 ?>
```

Open in your browser <http://localhost/phpmyadmin/>

Enter **root** as name, do not fill password. If everything is fine it should look like that:

8. Usage and backup web-server

In the **c:\Server\data\htdocs** folder put your local web sites, create HTML, PHP and another files.

For instance, I created **c:\Server\data\htdocs\test\ajax.php** file, so this file will be available at the address <http://localhost/test/ajax.php> and so on.

To create full backup including all web sites and databases, just copy **data** folder in a save place. If you will need restore your information, with backup you can do it easily.

Before updating web-server modules, backup **bin** folder, if you will have issues you can fallback to previous versions.

Make backup of the following files, with them you can deploy new instance of the server faster.

- **c:\Server\bin\Apache24\conf\httpd.conf**

- c:\Server\bin\mysql-8.0\my.ini
- c:\Server\bin\PHP\php.ini
- c:\Server\data\htdocs\phpmyadmin\config.inc.php

These files keep all settings and when we are installing new web server instance most of the time we are engaged in their editing

9. Extra PHP configuration

Some PHP settings you should know:

```

1 ; Maximum execution time of each script, in seconds
2 ; http://php.net/max-execution-time
3 ; Note: This directive is hardcoded to 0 for the CLI SAPI
4 max_execution_time = 30
5
6 ; Maximum amount of time each script may spend parsing request data. It's a good
7 ; idea to limit this time on production servers in order to eliminate unexpected
8 ; long running scripts.
9 ; Note: This directive is hardcoded to -1 for the CLI SAPI
10 ; Default Value: -1 (Unlimited)
11 ; Development Value: 60 (60 seconds)
12 ; Production Value: 60 (60 seconds)
13 ; http://php.net/max-input-time
14 max_input_time = 60
15
16 ; Maximum input variable nesting level
17 ; http://php.net/max-input-nesting-level
18 ;max_input_nesting_level = 64
19
20 ; How many GET/POST/COOKIE input variables may be accepted
21 ; max_input_vars = 1000
22
23 ; Maximum amount of memory a script may consume (128MB)
24 ; http://php.net/memory-limit
25 memory_limit = 128M
26
27 ; Maximum size of POST data that PHP will accept.
28 ; Its value may be 0 to disable the limit. It is ignored if POST data reading
29 ; is disabled through enable_post_data_reading.
30 ; http://php.net/post-max-size
31 post_max_size = 8M
32
33 ; PHP's default character set is set to UTF-8.
34 ; http://php.net/default-charset
35 default_charset = "UTF-8"
36
37 ; Maximum allowed size for uploaded files.
38 ; http://php.net/upload-max-filesize
39 upload_max_filesize = 2M
40
41 ; Maximum number of files that can be uploaded via a single request
42 max_file_uploads = 20

```

It is not necessary to do something with them, but if you are restricted into the limits, they will be useful

10. Extra phpMyAdmin configuration

If in phpMyAdmin you see error message:

- 1 The phpMyAdmin configuration storage is not completely configured, some extended
- 2 Or alternately go to 'Operations' tab of any database to set it up there.

Follow http://localhost/phpmyadmin/chk_rel.php and click



'Create a database named 'phpmyadmin' and setup the phpMyAdmin configuration storage there'.

You will see:

It means you fixed the problem.

11. Setting up the mail plug

In the **C:\Server\bin** folder, create one more folder named **Sendmail**. Now in this new folder create a file **sendmail.php** and copy-paste the following content:

```

1  #!/usr/bin/env php
2
3 <?php
4 /* PHP.INI
5  * [mail function]
6  * ;SMTP = localhost
7  * ;smtp_port = 25
8  * ;sendmail_from = me@example.com
9  * sendmail_path = php.exe sendmail.php --dir C:\mail --open
10 */
11
12 $is_windows = strstr(PHP_OS, 'WIN');
13 $options = getopt("", ['open', 'prepend', 'file:', 'dir:']);
14 $is_open = isset($options['open']);
15 $is.prepend = isset($options['prepend']);
16 $is_onefile = isset($options['file']);
17 $mail_dir = isset($options['dir']) ? $options['dir'] : sys_get_temp_dir() . '/m
18 $file_name = isset($options['file']) ? $options['file'] : basename();
19 $file_path = $mail_dir . '/' . $file_name;
20
21 if (!is_dir($mail_dir)) {
22     mkdir($mail_dir, 0777, TRUE);
23     if (!is_dir($mail_dir)) {
24         die('Mail folder [' . $mail_dir . '] not created');
25     }
26 }
27
28 $stream = $is_onefile ? PHP_EOL . str_repeat("=", 10) . date('Y-m-d H:i:s') . s
29 while (false !== ($line = fgets(STDIN))) {
30     // $stream .= ($is_windows ? str_replace("\n", PHP_EOL, $line) : $line);
31     $stream .= $line;
32 }
33
34 if ($is.prepend && file_exists($file_path)) {
35     $file_contents = file_get_contents($file_path);
36     $stream .= $file_contents;
37 }
38
39 file_put_contents($file_path, $stream, $is.prepend ? 0 : FILE_APPEND);
40
41 if ($is.open && $is.windows) {
42     pclose(popen("start /B notepad " . $file_path, "r"));
43 }
44
45 function mkname($i = 0) {
46     global $mail_dir;
47     $fn = 'mail_' . date('Y-m-d_H-i-s_') . $i . '.eml';
48     return file_exists($mail_dir . '/' . $fn) ? mkname( ++$i ) : $fn;
49 }
```

Open the **C:\Server\bin\PHP\php.ini** file and append the string:

```
1 | sendmail_path = "C:\Server\bin\PHP\php.exe C:\Server\bin\Sendmail\sendmail.php --
```

Save the file and restart your web-server. From this moment every sent letter will be saved in **C:\Server\bin\Sendmail\emails**

12. How to add PHP folder to System PATH in Windows

You should add PHP folder to System PATH, otherwise you will have errors every time you start Apache:

```

1 load dynamic library 'C:\\Server\\bin\\PHP\\ext\\php_curl.dll' - The specified n
2 PHP Warning: PHP Startup: Unable to load dynamic library 'C:\\Server\\bin\\PHP\\
3 PHP Warning: PHP Startup: Unable to load dynamic library 'C:\\Server\\bin\\PHP\\
4 PHP Warning: PHP Startup: Unable to load dynamic library 'C:\\Server\\bin\\PHP\\
5 PHP Warning: PHP Startup: Unable to load dynamic library 'C:\\Server\\bin\\PHP\\
6 [Sat Jan 14 07:09:55.442965 2017] [mpm_winnt:notice] [pid 2032:tid 636] AH00455:
7 [Sat Jan 14 07:09:55.442965 2017] [mpm_winnt:notice] [pid 2032:tid 636] AH00456:
8 [Sat Jan 14 07:09:55.442965 2017] [core:notice] [pid 2032:tid 636] AH00094: Comm
9 [Sat Jan 14 07:09:55.442965 2017] [mpm_winnt:notice] [pid 2032:tid 636] AH00418:
10 PHP Warning: PHP Startup: Unable to load dynamic library 'C:\\Server\\bin\\PHP\\
11 PHP Warning: PHP Startup: Unable to load dynamic library 'C:\\Server\\bin\\PHP\\
12 PHP Warning: PHP Startup: Unable to load dynamic library 'C:\\Server\\bin\\PHP\\
13 PHP Warning: PHP Startup: Unable to load dynamic library 'C:\\Server\\bin\\PHP\\
14 PHP Warning: PHP Startup: Unable to load dynamic library 'C:\\Server\\bin\\PHP\\
15 [Sat Jan 14 07:09:55.864736 2017] [mpm_winnt:notice] [pid 2196:tid 584] AH00354:
```

To avoid that, add PHP folder to System PATH. Push the Start ('Win') button, start typing '**Edit the system environment variables**' and open the setting window.

Click the '**Environment Variables**' button:



In the window '**System variables**' click on '**Path**' and later on '**Edit...**'

Click on '**New**' and type '**C:\Server\bin\PHP**'



Lift the record to the very top:

Save changes and close all windows. Restart the server.

13. Configuring cURL in the Apache web server on Windows

If you do not know what cURL is, then you do not need it. So feel free to skip this step.

cURL is a console utility that allows you to exchange data with remote servers using a very large number of protocols. cURL can use cookies and supports authentication. If a web application requires cURL, then this must be specified in the dependencies. For many popular applications, cURL is not required, for example, for phpMyAdmin and WordPress therefore there is no need to configure cURL.

If cURL is not configured correctly, you will get errors:

```
1 | Fatal error: Call to undefined function curl_multi_init() in ...
```

Or:

```
1 | Error curl: SSL certificate problem: unable to get local issuer certificate
```

To make cURL works in Apache on Windows, you need:

1) Be sure to add the PHP directory to PATH (system environment variables). How to do this said just above: <https://miloserdov.org/?p=55#12>.

2) In the **C:\Server\bin\PHP\php.ini** file the **extension=curl** line should be uncommented.

3) Download the <https://curl.haxx.se/ca/cacert.pem> file, then in the **C:\Server** folder create a new folder named **certs** and move the downloaded file to this new folder (**C:\Server\certs**).

4) In the **C:\Server\bin\PHP\php.ini** file find the sting

```
1 | ;curl.cainfo =
```

And replace it with

```
1 | curl.cainfo = C:\Server\certs\cacert.pem
```

5) Restart your web-server.

14. Fixing the Asynchronous AcceptEx failed error

When you have hangs, slow traffic and/or when having in your log entries like Asynchronous AcceptEx failed.

```
1 | [Thu Jun 05 07:24:55.747090 2014] [mpm_winnt:notice] [pid 1784:tid 444] AH00455:
2 | [Thu Jun 05 07:24:55.747090 2014] [mpm_winnt:notice] [pid 1784:tid 444] AH00456:
3 | [Thu Jun 05 07:24:55.747090 2014] [core:notice] [pid 1784:tid 444] AH00094: Comm
4 | [Thu Jun 05 07:24:55.748090 2014] [mpm_winnt:notice] [pid 1784:tid 444] AH00418:
5 | [Thu Jun 05 07:24:55.957978 2014] [mpm_winnt:notice] [pid 4952:tid 388] AH00354:
6 | [Thu Jun 05 07:26:16.695036 2014] [mpm_winnt:warn] [pid 4952:tid 1112] (OS 64)Yk
7 | [Thu Jun 05 07:26:16.695036 2014] [mpm_winnt:warn] [pid 4952:tid 1112] (OS 64)Yk
8 | [Thu Jun 05 07:26:48.250710 2014] [mpm_winnt:warn] [pid 4952:tid 1112] (OS 64)Yk
9 | [Thu Jun 05 07:26:48.250710 2014] [mpm_winnt:warn] [pid 4952:tid 1112] (OS 64)Yk
10 | [Thu Jun 05 07:29:27.137784 2014] [mpm_winnt:warn] [pid 4952:tid 1112] (OS 64)Yk
11 | [Thu Jun 05 07:29:27.137784 2014] [mpm_winnt:warn] [pid 4952:tid 1112] (OS 64)Yk
```

You can try the following settings:

```
1 | AcceptFilter http none
2 | AcceptFilter https none
3 | EnableSendfile off
4 | EnableMMAP off
```

15. How to protect the Apache web server from hacking in Windows

Recommended for you '[How to protect the Apache web server from hacking in Windows](#)'.

How to delete web-server Apache from Windows

If you no longer need a web-server installed with this guide, follow the steps below to uninstall it.

Attention: all the web-sites and their databases created on your local web-server will be deleted!

Stop services and remove them from auto start:

```
1 | c:\Server\bin\Apache24\bin\httpd.exe -k stop
2 | c:\Server\bin\Apache24\bin\httpd.exe -k uninstall
3 | net stop mysql
4 | c:\Server\bin\mysql-8.0\bin\mysqld --remove
```

Delete the folder **C:\Server**.

Related articles:

- [Web server installation guide on Windows: Apache, PHP, MariaDB and phpMyAdmin. How to provide local web server security](#) (100%)
- [How to protect the Apache web server from hacking in Windows](#) (100%)
- [How to install Apache, PHP, MySQL, and phpMyAdmin on Windows XP](#) (95.7%)
- [How to upgrade from MySQL 5 to MySQL 8](#) (92.1%)
- [Kali Linux web server shows blank pages \(SOLVED\)](#) (81.6%)
- [How to start with HackRF and gqrx](#) (RANDOM - 50%)

Recommended for you:

 Alex January 11, 2017 Apache, MySQL, PHP, phpMyAdmin, Web Server, Windows

Work Environment

 179 Comments »[!\[\]\(f42f75e81f61fd5f9f313cac09f9aa39_img.jpg\) Cracking WPA / WPA2 handshakes using GPU on Windows](#)[Kali Linux Rolling post install tips !\[\]\(c7143b06b3915be2311cf128bb2424aa_img.jpg\)](#)

179 Comments to How to install web server on Windows 10 (Apache 2.4, PHP 8, MySQL 8.0 and phpMyAdmin)

Jeff Holmes says:

July 16, 2017 at 5:06 pm

Thanks for this excellent guide. Saved me a lot of time!

[Reply](#)**Joseph** says:

August 19, 2017 at 10:26 am

Thanks so much! I finally have my own PHP7 by following your detailed and clear instructions!

[Reply](#)**Peter Wilford** says:

November 25, 2017 at 4:35 pm

This was excellent... Each step was clear and up to date. The enabling of sendmail was/is awesome. Thanks.

[Reply](#)

Dave says:

January 10, 2018 at 5:41 am

Great guide. However I ran into an issue in running mysqld the fix though is to download and install Microsoft Visual C 2013 (version 12) or try running mysqld.exe manually and you will see the exact DLL that is missing and just Google it. More likely it is just also a missing installation of Visual C.

[Reply](#)

Alex says:

January 10, 2018 at 5:58 am

The manual is updated:

- fixed for PHP 7.2
- added link to Visual C++ Redistributable Packages for Visual Studio 2013 (MySQL requires it)

[Reply](#)

ChuckGyver says:

January 15, 2018 at 12:29 pm

mysql-5.7.20-winx64.zip doesn't have .ini files anymore. And in the chapter 4 you are using 5.7.17

[Reply](#)



Alex says:

January 15, 2018 at 12:47 pm

Thanks a lot! I've fixed the issue.

In mysql-5.7 folder you should create **my.ini** file. Copy-paste lines:

```
1 [mysqld]
2
3 sql_mode=NO_ENGINE_SUBSTITUTION,STRICT_TRANS_TABLES
4 datadir="c:/Server/data/DB/data/"
```

It is enough.

[Reply](#)

oyeyemi says:

January 15, 2018 at 3:47 pm

Thanks so much for the excellent tutorial. But please i ran into this problem when trying to launch phpmyadmin:

phpMyAdmin - Error

The mysqli extension is missing

[Reply](#)

Alex says:

January 15, 2018 at 3:53 pm

Did you download PHP 7.2? Because PHP 7.1 configuration differs a little bit. Did you uncomment lines as shown on Step 6? Did you restart Apache after that?

[Reply](#)



o y e y e m i says:

January 15, 2018 at 4:36 pm

Thanks for your quick response.

Yes, i downloaded 7.2.

And i finally got where the problem is : **extension_dir = "C:/Apache2/modules/php/ext"**

The above extension directory is commented out by default in php.ini file, so all i did was to uncomment it. So, the problem got solved.

Thanks so much

[Reply](#)

m o z a w a says:

January 25, 2021 at 4:15 am

thank sir...

this method can created new webserver like XAMP MAMP AMPPS... jorgan and more sir
can you create tutorial additional sir add module for tutorial about sir as below.

1.server alias

2.virtual host

very very good tutorials... i recommended you create video put in youtube and get some money from advertising... from google... from more subscribe....

thank

[Reply](#)

A l e x says:

January 25, 2021 at 5:10 am

Hello! Thank you for your kind words and motivation. I already wrote the article "[Creating Apache Virtual Hosts on Windows](#)".

[Reply](#)



Davy T says:

January 27, 2018 at 6:19 am

Just a quick note thanking you for an EXCEPTIONAL tutorial, Sir. You should make a YouTube video with this content as there is nothing up to date there. I'm sure you'll help a lot of people who go to YouTube first like I did. So disappointed, I turned to google and there you were at the top. Thanks again.

[Reply](#)

dani says:

February 23, 2018 at 2:09 am

Hi Alex, thanks for the guide.

by the way I found error when I try to copy paste **c:\Server\bin\Apache24\bin\httpd.exe -k install**. The warning said "**the program can't start because api-ms-win-crt-runtime-l1-1-0.dll is missing from your computer. Try reinstalling the program to fix problem**". What should I do?

thank you.

[Reply](#)

Alex says:

February 23, 2018 at 6:20 am

Hello, did you install **Visual C++ Redistributable Packages for Visual Studio 2017** and **Visual C++ Redistributable Packages for Visual Studio 2013**?

The missing file is present in '**Update for Universal C Runtime in Windows**', you can download it here: <https://support.microsoft.com/en-us/help/2999226/update-for-universal-c-runtime-in-windows>, but it is not necessary to install for my manual.

[Reply](#)



dani says:

February 23, 2018 at 6:55 am

Yes I did. I have installed all of them.

When I try to install the universal c runtime (kb2999226), It says "the update is not applicable to your computer".

I'm using windows 7 Pro 64 bit.

Thanks for advice.

[Reply](#)

George says:

March 3, 2018 at 7:10 am

I am extremely impressed, and slightly surprised, that this worked flawlessly. Congratulations on the excellent post and many, many thanks for saving me from having to go back to wamp, xampp or (shudder) IIS.

[Reply](#)

Asia says:

March 13, 2018 at 5:43 pm

Hello. I have problem on step number 4. The files didn't show up, even if I re-install MySQL. Any help?

[Reply](#)

Alex says:

March 14, 2018 at 2:09 am

What error you occurred?

[Reply](#)



Lukas says:

March 14, 2018 at 4:42 pm

Can't change dir to 'c:\Server\data\DB\data\' (Errcode: 2 - No such file or directory) this error occurred

[Reply](#)

Alex says:

March 15, 2018 at 4:53 am

I suppose you did not create the **C:\Server\data\DB\data** folder. See Step 2. Create necessary folders.

[Reply](#)

Mircea Prodan says:

March 19, 2018 at 8:06 pm

Hi!

I have this error (Windows7): (phpmyadmin error): missing mysqli.dll

Can you help me?

Thanks in advance

[Reply](#)



Alex says:

March 20, 2018 at 4:26 am

Hello! Do you install PHP 7.2.* or another release?

[Reply](#)

Mircea Prodan says:

March 20, 2018 at 10:42 am

Yes, 7

[Reply](#)

Pat Cajaljal says:

March 30, 2018 at 5:54 am

Hi! Why do we have to do step 15? It kinda confuses me a little bit.

[Reply](#)

Alex says:

March 30, 2018 at 6:14 am

Hello! You are right it looks confusing as part of the installation process. I adjusted the article to be clearer.

[Reply](#)



Pat Cajaljal says:

March 31, 2018 at 5:32 am

Thank you so much for this guide. It helped me a lot! 😊

[Reply](#)

john says:

April 28, 2018 at 1:40 pm

The best tutorial ever ... However I ran into an issue in running mysqld .. I did not get all the files in data folder like you .. I got just 5 files

binlog.index

ib_logfile1

ib_logfile101

ibdata1

LENOVO.err

mysql service didn't started at all and when i run net start mysql it gives me

The MySQL service is starting.

The MySQL service could not be started.

[Reply](#)

Alex says:

April 28, 2018 at 4:35 pm

To cope the issue, remove all files from **C:\Server\data\DB\data** folder, and to the **my.ini** file add the line:

```
1 | innodb_flush_method=normal
```

After that initialize MySQL again:



```
1 C:\Server\bin\mysql-8.0\bin\mysqld --initialize-insecure --user=root  
2 C:\Server\bin\mysql-8.0\bin\mysqld --install  
3 net start mysql
```

[Reply](#)

gorg e says:

April 28, 2018 at 3:02 pm

You are great

i tried to make a virtual host .. but it keep gives me the "index of" page and a list of folder on htdocs ...
but i want the virtual host to open the index page in my project directly

[Reply](#)

Alex says:

April 28, 2018 at 3:31 pm

Hello! I suppose you missed this part of the guide:

“ replace ”

```
1 | DirectoryIndex index.html
```

“ with ”

```
1 | DirectoryIndex index.php index.html index.htm
```

[Reply](#)

gorg e says:

April 28, 2018 at 3:39 pm

No .. I did it

[Reply](#)



Alex says:

April 28, 2018 at 6:28 pm

I hope the '[Creating Apache Virtual Hosts on Windows](#)' guide will cope your issue.

[Reply](#)

Grateful in Chapel Hill says:

May 5, 2018 at 6:31 pm

Thank you SO much for taking the time and effort to share your experience in setting this up. I really like the way you've set things up and your instructions have worked flawlessly for me . You saved me a LOT of time and helped me avoid a tonne of misspent effort. Thank you !

[Reply](#)

boxecutor says:

May 26, 2018 at 8:48 am

Excellent Guide but i would recommend a rewrite to adjust it so that the mysql root user **is not** empty password - this is a major security flaw and leaves the system vulnerable and open to attacks.

[Reply](#)



Alex says:

May 27, 2018 at 5:09 am

Hello! Thank you for the helpful recommendation. I agree with the importance of this issue. I will write additional article on security issues.

Running web-server, we have to consider not only the password for MySQL, but also access control to the web-server, access control to the MySQL server (to prevent brute-force), the power of Apache to access the file system outside the web root folder and so on.

It is very vast subject. It is important, but it is rather difficult for fresh users who just achieved the web-server running.

Therefore, users concerned about security issues will continue to configure the web-server according to the next level article.

[Reply](#)

Daniel Martinez says:

May 30, 2018 at 2:11 am

Hi!, this is a great Tutorial TYVM!

I see in the error.log file messages like this: **PHP Warning: PHP Startup: Unable to load dynamic library 'curl' (tried: C:\\Server\\bin\\PHP\\ext\\curl.....**

And i see the file is called "php_curl.dll" in the C:\\Server\\bin\\PHP\\ext\\.

Should i change the namesin the php.ini file?

THIS ERROR ALSO OCCURS WITH library 'intl', library 'ldap', library 'pdo_pgsql', 'pgsql'.

[Reply](#)

Daniel Martinez says:

May 30, 2018 at 4:29 am

Hi ver good guide!

I see in the apache logs error file the next:

```

1 | PHP Warning: PHP Startup: Unable to load dynamic library 'curl' (tried: C:\\Server
2 | PHP Warning: PHP Startup: Unable to load dynamic library 'intl'.....
3 | PHP Warning: PHP Startup: Unable to load dynamic library 'ldap'.....
4 | PHP Warning: PHP Startup: Unable to load dynamic library 'pdo_pgsql'.....
5 | PHP Warning: PHP Startup: Unable to load dynamic library 'pgsql'.....

```

Whath meanas this?

[Reply](#)

Alex says:

May 30, 2018 at 5:45 am

To fix every your issue you have to add PHP folder to System PATH in Windows, please refer to the step '12. How to add PHP folder to System PATH in Windows' of this manual.

[Reply](#)

csdc says:

July 1, 2018 at 12:19 pm

For those who can't get phpmyadmin page, you should restart your mysql and apache server.

[Reply](#)

rick says:

July 6, 2018 at 12:45 am

`LoadModule php7_module "C:/Server/bin/PHP/php7apache2_4.dll"`

There is no such file in the noted directory. I keep getting the error: httpd.exe: Syntax error on line 537 of C:/Server/bin/Apache24/conf/httpd.conf: Cannot load C:/Server/bin/PHP/php7apache2_4.dll into server: The specified module could not be found.

[Reply](#)

Alex says:

July 6, 2018 at 4:17 am

Did you download Debug Pack, Non Thread Safe or Sources?

Download the proper version (VC15 x64 Thread Safe) to get the file.

[Reply](#)

rick says:

July 6, 2018 at 6:59 pm

Thanks Alex, I solved that problem. However, I am now tryin to instal a website that generates and writes a config.ini.php to a data directory folder within the website - it is an automated process. Everything works until I get to about the fourth step - the writing of the config.ini.php file, then I get the error:
Warning: parse_ini_file(data/config.ini.php): failed to open stream: No such file or directory in **C:\Server\data\htdocs\webtrees\site-unavailable.php** on line **47**. The problem seems to be a folder permissions problem that I have tried to fix without success. Essentially, I have given full control to the system on the data folder. Nothing that I have tried works and I hope you might be able to help with this issue.

[Reply](#)

Anonymous says:

July 7, 2018 at 7:45 am

wonderful tutorials even for a beginner like me.....thanks!!

[Reply](#)

Nazmin says:

July 7, 2018 at 7:48 am

Hello Alex.

I followed your instructions and everything works fine accept for phpmyadmin. I do not have "Users" or "User accounts" tab in my phpmyadmin. I have logged in as root as my username and leave it blank for password. It says I have no privilege to create database. How can this be solved?

My phpmyadmin version is 4.8.2

Web Server

Apache/2.4.33 (Win64) PHP/7.3.0alpha2

PHP version: 7.3.0alpha2



[Reply](#)**Alex** says:

July 7, 2018 at 8:59 am

Unfortunately, I cannot reproduce the bug. Did you depart from the guide in any way?

Can you make screenshot of the page: <http://localhost/phpMyAdmin/sql.php?server=1&db=mysql&table=user>

[Reply](#)**Nazmin** says:

July 8, 2018 at 5:08 am

I followed the guide as you say and everything works fine. Apache, mysql, php and phpmyadmin can run smoothly. The only problem is on my phpmyadmin. I searched on google and it says users or users account feature might be removed for some security reasons...and now I don't know what to do to enable the privilege to create database. I never use php before.

[Reply](#)**Nazmin** says:

July 8, 2018 at 5:13 am



Databases

Database	Collation	Master replication	Action
information_schema	utf8_general_ci	Replicated	Check privileges
mysql	utf8mb4_0900_ai_ci	Replicated	Check privileges
performance_schema	utf8mb4_0900_ai_ci	Replicated	Check privileges
phpmyadmin	utf8mb4_0900_ai_ci	Replicated	Check privileges

Total: 4

Note: Enabling the database statistics here might cause heavy traffic between the web server and the MySQL server.

Enable statistics

[Reply](#)

Alex says:

July 8, 2018 at 5:35 am

It seems your problem arises from the third-party advice to 'remove user account'. You can ask one more advice from the author of idea to remove – what should you do next.

You can reset your MySQL installation to make it work fine. To reset run the commands:

```
1 | net stop mysql
2 | c:\Server\bin\mysql-8.0\bin\mysqld --remove
```

Purge everything from the **C:\Server\data\DB\data** folder.

And run again:

```
1 | C:\Server\bin\mysql-8.0\bin\mysqld --initialize-insecure --user=root
2 | C:\Server\bin\mysql-8.0\bin\mysqld --install
3 | net start mysql
```

[Reply](#)

Nazmin says:

July 8, 2018 at 6:25 am

Thank you so much Alex. It works. 😊

This is just my suggestion...maybe you could update and include this problem and how to overcome it in your guide so people can refer to it in the future.

[Reply](#)

Medo says:

July 19, 2018 at 5:56 pm

Can we do the same settings if we want to install MariaDB instead of Mysql !?

[Reply](#)

Alex says:

July 19, 2018 at 6:13 pm

Yes, we can install MariaDB instead of MySQL. Tomorrow I will make some tests and write the instructions.

[Reply](#)

Anonymous says:

July 19, 2018 at 6:24 pm

Thank you so much Alex ... Hope the instructions including the steps for removing previous Mysql

[Reply](#)



Alex says:

July 20, 2018 at 6:56 pm

Done: <https://miloserdov.org/?p=1827>

[Reply](#)

Medo says:

July 21, 2018 at 9:32 am

Amazing !! .. It works like a charm ... thank you for your time

[Reply](#)

Nursyahira says:

July 25, 2018 at 4:36 pm

Hello Alex.

I got a problem on step 7.

-phpMyAdmin-error

-the mysqli extension is missing

And i have already did uncomment lines as shown on step 6 and restart Apache. But it's still the same.
What should i do?

[Reply](#)

Alex says:

July 26, 2018 at 11:52 am

<https://miloserdov.org/?p=55>



You missed an instruction or did an instruction wrong. Examples what you could do wrong:

did not rename **php.ini-development** to **php.ini**

did not replace ;**extension_dir = "ext"** with **extension_dir = "C:\Server\bin\PHP\ext\"**

did not add the **PHPIniDir "C:/Server/bin/PHP"** string in the **c:\Server\bin\Apache24\conf\httpd.conf** file or did it wrong.

It is not complete list. However, there is the only one reason: you did something not exactly as in this manual.

[Reply](#)

A b i n e s h says:

March 17, 2019 at 5:32 pm

I had the same problem. Then I replaced backward slash with forward and restarted apache. It then worked!

`extension_dir = "C:/Server/bin/PHP/ext/"`

[Reply](#)

Alexander Munnoz says:

August 10, 2018 at 5:06 pm

Subject: S.O.S. Phpmymadmin doesn't run.

Hi Alex. Thanks for sharing.

I can't acces mariadb from phpmymadmin. it shows me the next error: `mysqli_real_connect(): (HY000/1045): Access denied for user 'root'@'localhost' (using password: NO)`.

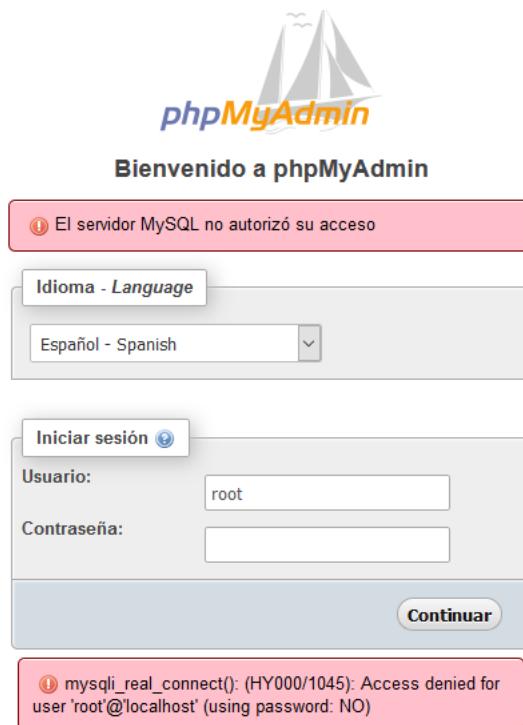
I followed your instructions. I installed:

`httpd-2.4.34-win64-VC15.zip`, `mariadb-10.2.16-winx64.zip`, `php-7.2.8-Win32-VC15-x64.zip` and `phpMyAdmin-4.8.2-all-languages.zip`.

Apache and MariaDB services OK.

Thanks a lot. Have a nice day.





The screenshot shows the phpMyAdmin login interface. At the top, there's a logo of a sailboat and the text "phpMyAdmin". Below it, a red box contains the message "El servidor MySQL no autorizó su acceso" (The MySQL server did not authorize your access). A language selection dropdown is set to "Español - Spanish". The main login form has fields for "Usuario" (root) and "Contraseña" (empty), with a "Continuar" (Continue) button. Another red box at the bottom displays the error message "mysqli_real_connect(): (HY000/1045): Access denied for user 'root'@'localhost' (using password: NO)".

[Reply](#)**Alex** says:

August 11, 2018 at 4:24 am

Hello!

It looks like your MariaDB server is not running.

Try

```
1 | net start mysql
```

[Reply](#)**Robert Villano Muñoz** says:

September 2, 2018 at 10:12 pm

Hello my friend Phpmyadmin does not start already wrote in console net start mysql leaves a message of the service is already running but I still can not get into phpmyadmin as I can solve it thanks

[Reply](#)

Alex says:

September 3, 2018 at 6:29 am

Hello! What error occurred? Please provide more details for I have start point to help.

[Reply](#)

Robert Villano Muñoz says:

September 4, 2018 at 10:41 am

the message is => Log-in without a password is forbidden by configuration (see AllowNoPassword)

[Reply](#)

Robert Villano Muñoz says:

September 11, 2018 at 8:42 pm





Welcome to phpMyAdmin

! Login without a password is forbidden by configuration (see AllowNoPassword)

Language

English

Log in [?](#)

Username:

Password:

[Reply](#)

Robert Villano Muñoz says:

September 11, 2018 at 8:56 pm

this is my php info

PHP Version 7.2.9RC1	
System	Windows NT ASUS 10.0 build 17134 (Windows 10) AMD64
Build Date	Aug 1 2018 17:50:54
Compiler	MSVC15 (Visual C++ 2017)
Architecture	x64
Configure Command	cscript /nologo configure.js "--enable-snapshot-build" "--enable-debug-pack" "--with-builddeps_aux\oracle\x64\instantclient_12_1 sdk,shared" "--with-oci8-12c=c:\php\sql\instantclient_12_1 sdk,shared" "--enable-object-out-dir=..\\obj" "--enable-com-dc-analyzer" "--with-pgo"
Server API	Apache 2.0 Handler
Virtual Directory Support	enabled
Configuration File (php.ini) Path	C:\WINDOWS
Loaded Configuration File	C:\Apache\php\php.ini
Scan this dir for additional .ini files	(none)
Additional .ini files parsed	(none)
PHP API	20170718
PHP Extension	20170718
Zend Extension	320170718

[Reply](#)

Alex says:

September 12, 2018 at 5:00 am

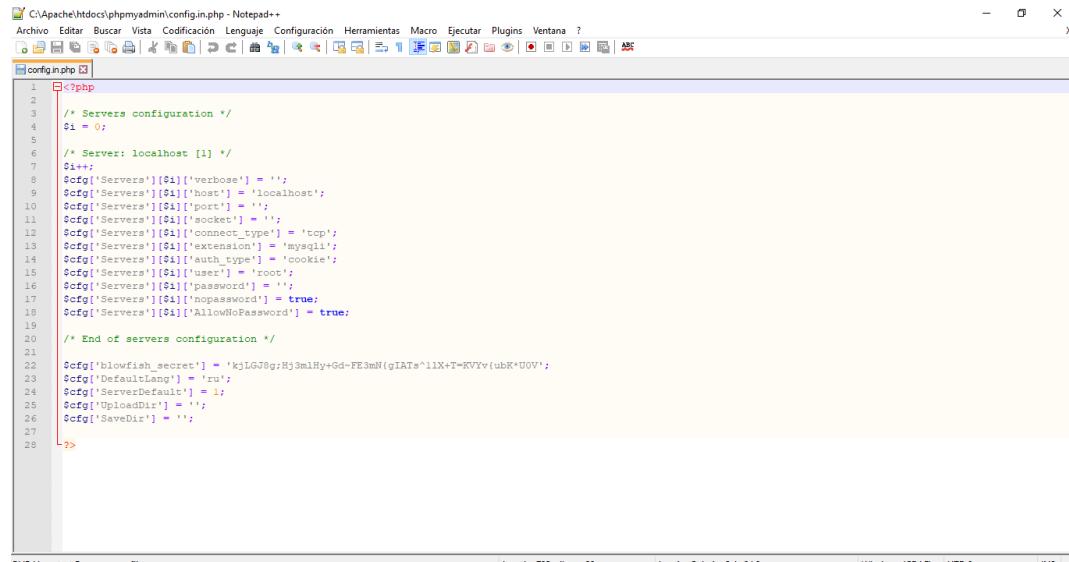
Hello! I guess you missed Step 7. It seems like you did not create the config.inc.php configuration file with the above content.

[Reply](#)

Robert Villano Muñoz says:

September 16, 2018 at 5:13 am

Hello friend of course, if I already have that file created but it still does not work



```

1 <?php
2
3 /* Servers configuration */
4 $i = 0;
5
6 /* Server: localhost [1] */
7 $i++;
8 $cfg['Servers'][$i]['verbose'] = '';
9 $cfg['Servers'][$i]['host'] = 'localhost';
10 $cfg['Servers'][$i]['port'] = '';
11 $cfg['Servers'][$i]['socket'] = '';
12 $cfg['Servers'][$i]['connect_type'] = 'tcp';
13 $cfg['Servers'][$i]['extension'] = 'mysql';
14 $cfg['Servers'][$i]['auth_type'] = 'cookie';
15 $cfg['Servers'][$i]['user'] = 'root';
16 $cfg['Servers'][$i]['password'] = '';
17 $cfg['Servers'][$i]['nopassword'] = true;
18 $cfg['Servers'][$i]['allowNoPassword'] = true;
19
20 /* End of servers configuration */
21
22 $cfg['blowfish_secret'] = 'kjLGJ8gHj3m1Hy+Gd-FE3mN(gIATs^l1X+T=KVVv(ubK*UOV';
23 $cfg['DefaultLang'] = 'ru';
24 $cfg['ServerDefault'] = 1;
25 $cfg['UploadDir'] = '';
26 $cfg['SaveDir'] = '';
27
28 -?>

```

The screenshot shows a Notepad++ window with the file 'config.php' open. The code is a PHP configuration file for a MySQL server. It defines a single server entry for 'localhost' with port 0, using a 'tcp' connection type and the 'mysql' extension. The 'auth_type' is set to 'cookie'. The user is 'root' and the password is empty. The 'nopassword' and 'allowNoPassword' flags are both set to true. The 'blowfish_secret' is a long, random string. The 'DefaultLang' is set to 'ru'. The 'ServerDefault' is set to 1. The 'UploadDir' and 'SaveDir' are both empty strings. The file ends with a closing PHP tag. The status bar at the bottom shows the file is a 'PHP Hypertext Preprocessor file' with 785 length and 28 lines, and the current date and time as 16/09/2018 12:11 a.m.

[Reply](#)

Elton says:

September 20, 2018 at 9:02 am

Robert Villano Munoz... looks like your file was saved as config.IN.php and not config.INC.php
was checking on this issue myself because I got a blank page after having this file in the directory.

Dear Alex, if you could have any advice on this please 😊

Thanks,

[Elton](#)[Reply](#)**h i n a** says:

August 13, 2018 at 6:41 am

After replacing lines of **httpd.conf** all When i paste command **c:\Server\bin\Apache24\bin\httpd.exe -k install** on cmd prompt(admin) it show that Service is already installed.

when i paste command **c:\Server\bin\Apache24\bin\httpd.exe -k start** it show that

```
1 | httpd.exe: Could not reliably determine the server's fully qualified domain name, u
2 | (OS 10013)An attempt was made to access a socket in a way forbidden by its access p
3 | (OS 100134)An attempt was made to access a socket in a way forbidden by its access
4 | AH004513: no listening sockets available, shutting down
5 | AH000415: Unable to open logs
```

Please guide to handle this error

[Reply](#)**A l e x** says:

August 13, 2018 at 6:59 am

Obvious question, did you already install Apache service? Do you have XAMPP or something like that?

The message:

```
1 | Could not reliably determine the server's fully qualified domain name, using fe80::
```

shows that you did not follow the guide exactly. So I don't have no another advise for you but to reverse all made changes, start from beginning and follow the guide exactly.

To reverse all made changes, see the '**How to delete web-server Apache from Windows**' unit.

[Reply](#)

Robert Villano Muñoz says:

August 25, 2018 at 7:58 pm

Hi Great tutorial my friend it was very helpful

[Reply](#)

Robert Villano Muñoz says:

August 25, 2018 at 11:55 pm

Hello friend how do I access mysql and create a database from the windows console?

[Reply](#)

Alex says:

August 26, 2018 at 5:52 pm

Hello! Open **Windows PowerShell (Admin)**, then type:

```
1 | cmd
2 | cd C:\Server\bin\mysql-8.0\bin
3 | mysql -u root
```

[Reply](#)

Robert Villano Muñoz says:

August 27, 2018 at 1:39 am

Ok it works thanks genius!!

[Reply](#)



Anonymous says:

August 27, 2018 at 7:07 pm

Thanks it works

[Reply](#)

Anonymous says:

August 28, 2018 at 6:57 pm

Thanks. this was a great tutorial. After I have spent 3 days trying to get these 4 components to run and not able to get a tutorial like this. This is exactly what I wanted to do . Great job.

[Reply](#)

Sunil says:

September 25, 2018 at 12:37 pm

Excellen guiding. I could configure everything without even hitch. It works wonderfully well. Thanks a lot.

[Reply](#)



Sodrick says:

October 7, 2018 at 8:49 am

Big thannks to you **sir**. Can we add **xdebug** on server and how?

[Reply](#)

conan says:

October 23, 2018 at 7:12 am

Hi Alex,

I'm having similar issues at step 4 as others, but the suggestions do not seem to help.

C:\WINDOWS\system32>net start mysql

The MySQL service is starting...

The MySQL service could not be started.

The service did not report an error.

More help is available by typing NET HELPMSG 3534.

Would you be able to assist, thanks

[Reply](#)

Anonymous says:

December 26, 2018 at 10:48 am

I also have the same problem1

[Reply](#)

Anonymous says:

February 7, 2019 at 6:53 pm

Me too... so frustrating, everything else went smoothly.

(Thanks for the great tutorial by the way)



[Reply](#)**M a n i** says:

October 29, 2018 at 11:39 pm

Hi!

I have this error (Windows7): (phpmyadmin error): missing mysqli.dll

Can you help me? Tried all kind of changes. Still doesn't work.

Thanks in advance

[Reply](#)**A l e x** says:

October 30, 2018 at 1:53 am

Hello! Did you follow this guide? What PHP version did you install?

[Reply](#)**A n o n y m o u s** says:

October 30, 2018 at 2:49 am

phpMyAdmin-4.6.5.2-all-languages.zip

All works fine until phpadmin. stuck on that. Couldn't pass on.

[Reply](#)

Bibih Rosmie Binti Someiun says:

October 31, 2018 at 7:36 am

thank you!

[Reply](#)

Isak says:

December 7, 2018 at 8:37 am

Thank you, great tutorial. Clear, straight forward, easy to follow. Excellent work.

[Reply](#)

ilan says:

December 16, 2018 at 8:39 pm

I'm having trouble at part 3 already.. i replaced all the things you said and then i got a problem with some sockets or something. i then changed the listen to 90 from 80 and it allowed to do the c:\Server\bin\Apache24\bin\httpd.exe -k start with no problem but then when i try to run the <http://localhost/> i get

Not Found

HTTP Error 404. The requested resource is not found.

not sure what to do.

Thanks in advance!

[Reply](#)

Alex says:

December 17, 2018 at 1:20 am

I am sure that reset of your installation and following the instructions exactly will fix the issue.



Probably you did not create the folder structure or missed one or more steps in Apache configuration process.

[Reply](#)

c han says:

December 26, 2018 at 10:53 am

```
USE : mysql-8.0.13-winx64
C:\WINDOWS\system32>net start mysql
The MySQL service is starting.
The MySQL service could not be started.
The service did not report an error.
Would you be able to assist, thanks
```

[Reply](#)

A lex says:

December 26, 2018 at 12:41 pm

Hello! What messages in the **C:\Server\data\DB\data*.err** file?
The file name can differ, it is located in the **C:\Server\data\DB\data** folder and has the **.err** file extension.

[Reply](#)

Anonymous says:

December 27, 2018 at 2:48 am



Hello!

.err file extension located in C:\Server\data\DB. There is no file in **C:\Server\data\DB\data**. I got this error msg. I can't use net start mysql. so i used .\net start mysql.

C:\WINDOWS\system32> .\net start mysql

The MySQL service is starting...

The MySQL service could not be started. The service did not report an error.

More help is available by typing NET HELPMSG 3534.

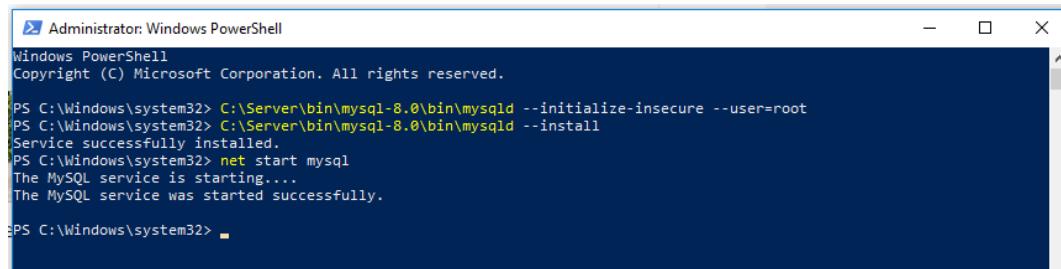
Thank a lots!

[Reply](#)

Alex says:

December 27, 2018 at 4:32 am

No files at all? It means you just did not follow this guide. That's the reason of your problem.



```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Windows\system32> C:\Server\bin\mysql-8.0\bin\mysqld --initialize-insecure --user=root
PS C:\Windows\system32> C:\Server\bin\mysql-8.0\bin\mysqld --install
Service successfully installed.
PS C:\Windows\system32> net start mysql
The MySQL service is starting....
The MySQL service was started successfully.

PS C:\Windows\system32>
```

[Reply](#)

chan says:

December 28, 2018 at 3:59 am

Big thannks !

[Reply](#)

Shivansh Mittal says:

December 29, 2018 at 7:12 am

i am getting error when i open this link: <http://localhost/phpmyadmin/>

the error is:-

The **mysqli** extension is missing. Please check your PHP configuration. See [our documentation](#) for more information.

please help

[Reply](#)

Sid says:

December 30, 2018 at 3:41 pm

Hello Alex, I followed your guide to configure Apache and PHP on my Win10 Laptop. It worked perfectly till Apache config. After I add the i.php file, I do not get to see the php info. I get the error "ERR_CONNECTION_RESET". I have installed php and apache in C:/Server/Apache24 and C:/Server/php folders. My website directory is D:/Website. I have changed the paths in the httpd.conf file to match this. I restarted the server multiple times but no help. Can you help me troubleshoot the issue plz?

[Reply](#)

Luigi says:

July 24, 2019 at 8:26 am

Same for me. I've also tried this code :

```
<?php  
phpinfo();  
?>
```

but doesn't work...

[Reply](#)

Luigi says:

July 24, 2019 at 10:20 am

The problem is in PHP versione that make crash the apache on startup (see the Apache24/logs/error.log)

The 'Apache2.4' service is running.

```
ore:warn] [pid 6360:tid 652] AH00098: pid file C:/Server/bin/Apache24/logs/httpd.pid overwritten -- Unclean shutdown of previous Apache run?
```

PHP Warning: 'vcruntime140.dll' 14.15 is not compatible with this PHP build linked with 14.21 in Unknown on line 0

```
[Wed Jul 24 11:58:49.124361 2019] [:emerg] [pid 6360:tid 652] AH00020: Configuration Failed, exiting
```

Download the PHP 7.3.7 (php-7.3.7-Win32-VC15-x64.zip) that is more stable than php-7.4.0beta1.

That solved the problem for me



[Reply](#)**Alex** says:

January 3, 2019 at 4:23 pm

Please come to the original page <https://miloserdov.org/?p=55>, and in your web browser press **Ctrl+F** and try to search the command you've written: it does not exist in my article.

I guess you use Google Translator or another program to translate. It breaks commands in this guide. You can use Google Translator to read text, but you should copy commands from the original page.

[Reply](#)**Simp hiwe** says:

January 5, 2019 at 8:13 pm

You writting skills are very excellent work @Alex. You have solved problem for many other people. Kudos to you.

You have just left-out the following 2 points which already exists in your previous page :
<https://miloserdov.org/?p=2343>. Can you please include these line in your documentation

1. Download PHP

To download PHP for Windows, go to windows.php.net/download/. There select the file **VC15 x64 Thread Safe** or **VC15 x86 Thread Safe**. Note: you need to download the **Zip** file (and not the **Debug Pack**).

2. phpMyAdmin

To do this, open the command line, enter:

1

2

```
cd C:\Server\bin\mariadb\bin\
```

```
.\mysql -u root
```

Inside MySQL:

1

2

3

```
FLUSH PRIVILEGES;
```

```
ALTER USER 'root'@'localhost' IDENTIFIED BY 'new_password';
```



```
exit;
```

Replace **new_password** with your actual password.

3. Suggestions

If I may ask for some suggestion - could please write the following topics:

3.1 How to install Virtual Machine on WAMP

3.2 How to install Linuxmint from USB

3.3 How to install Virtual Machine on Linuxmint

[Reply](#)

ValTod says:

January 13, 2019 at 8:03 pm

Excellent tutorial! Today 1.13.2019 I followed it with the newest versions of the software:

httpd-2.4.37-win64-VC15.zip
php-7.3.1RC1-Win32-VC15-x64.zip
mysql-8.0.13-winx64.zip
phpMyAdmin-4.8.4-all-languages.zip

I had to do only two changes. In php.ini:

; On windows:
extension_dir = "C:\Server\bin\PHP\ext"

(If you don't add this, PHP cannot find the mysqli extension. phpMyAdmin won't start and throw the error: The mysqli extension is missing)

In config.inc.php specify your language:

\$cfg['DefaultLang'] = 'en';

Other than that everything worked flawlessly. Again, excellent tutorial!

[Reply](#)

Serge says:

May 23, 2019 at 1:26 pm

Thank you SO much for this!

[Reply](#)

codeRex says:

February 10, 2019 at 12:59 am

Hello bro,

I know you might be busy with some other stuffs, but can you help me with the following problems i encountered....

firstly, I downloaded the latest version of all the required files (httpd-2.4.37-x64-vc11-r2, phpMyAdmin-4.8.5-all-languages, mysql-8.0.15-winx64 and php-7.3.0-Win32-VC15-x64.

but i got these error....

the first is while trying to start sql.

the second is while trying to login to phpmyadmin.

I initially ignored the first error and went on to setup phpmyadmin; I only get to see the phpmyadmin login page.

Thanks in advance.

```

1 2019-02-09T22:44:22.180354Z 0 [Warning] [MY-010915] [Server] 'NO_ZERO_DATE', 'NO_ZERO_IN_DATE' and 'ERROR_FOR_DIVISION_BY_ZERO' sql modes should be used in conjunction with strict mode. Otherwise you'll get unexpected results.
2 2019-02-09T22:44:22.180454Z 0 [System] [MY-013169] [Server] C:\mysql-8.0\bin\mysqld.exe (mysqld 8.0.15) initializing of server in progress as process 6156
3 2019-02-09T22:45:09.414281Z 5 [Warning] [MY-010453] [Server] root@localhost is created with an empty password ! Please consider switching off the --skip-grant-tables option.
4 2019-02-09T22:45:30.501917Z 0 [System] [MY-013170] [Server] C:\mysql-8.0\bin\mysqld.exe (mysqld 8.0.15) initializing of server has completed
5 2019-02-09T22:46:10.695774Z 0 [Warning] [MY-010915] [Server] 'NO_ZERO_DATE', 'NO_ZERO_IN_DATE' and 'ERROR_FOR_DIVISION_BY_ZERO' sql modes should be used in conjunction with strict mode. Otherwise you'll get unexpected results.
6 2019-02-09T22:46:10.695900Z 0 [System] [MY-010116] [Server] C:\mysql-8.0\bin\mysqld (mysqld 8.0.15) starting as process 6156
7 2019-02-09T22:47:21.139007Z 0 [Warning] [MY-010068] [Server] CA certificate ca.pem is self signed.
8 2019-02-09T22:47:21.974438Z 0 [System] [MY-010931] [Server] C:\mysql-8.0\bin\mysqld: ready for connections. Version: '8.0.15' socket: '' port: 3306
9 2019-02-09T22:47:22.164713Z 0 [System] [MY-011323] [Server] X Plugin ready for connections. Bind-address: '::' port: 33060
10

```

[Reply](#)

Alex says:

February 10, 2019 at 2:37 am

Hello! I don't see any errors on your screenshot. There are some warnings (not critical) and information messages. You can try to login in phpMyAdmin with '**root**' as a user and with empty string as a password.

By the way, where did you download Apache? On <https://www.apachelounge.com/download/> where I recommend to download binaries for Windows the actual version is Apache 2.4.38 Win64. And as a user of the web site at least the last 10 years, I've never seen release candidate (r2) versions there.

My guide guarantee works only if follow it literally.

[Reply](#)

Alex says:

February 10, 2019 at 2:43 am

Everyone who has issues with MySQL service, to fix it try:

1. Remove the service:

```

1 | net stop mysql
2 | c:\Server\bin\mysql-8.0\bin\mysqld --remove

```

2. In the **c:/Server/data/DB/data/** folder remove all files

3. Initialize and install the service:

```
1 C:\Server\bin\mysql-8.0\bin\mysqld --initialize-insecure --user=root  
2 C:\Server\bin\mysql-8.0\bin\mysqld --install  
3 net start mysql
```

If the problem persists please provide the content of the **C:\Server\data\DB\data*.err** file.

[Reply](#)

Alexandre Martignier says:

February 12, 2019 at 3:13 pm

Very usefull step-by-step guide! Works like a charm for me, thanks!

[Reply](#)

walmart laptop protection plan review says:

February 15, 2019 at 6:39 pm

Hold in mind that youu can constantly add elements later.

[Reply](#)

Matt says:

February 16, 2019 at 4:06 pm

SWEET and much thanks. I don't think I could have installed the web server so smoothly. My only pain was not being able to log in phpMyAdmin because it wants a password. I found that I have to change one line in the my.ini in the mysql-8.0 folder from

```
datadir="c:/Server/data/DB/data/"  
to  
datadir="c:/Server/bin/mysql-8.0/data."
```



I used mysql 8.0.15 and phpMyAdmin 4.8.5. The data files that were created when sql was installed did not go to the "/Server/data/DB/data" folder. They went automatically to the "Server/bin/mysql-8.0/data" folder.

[Reply](#)

Sandhan says:

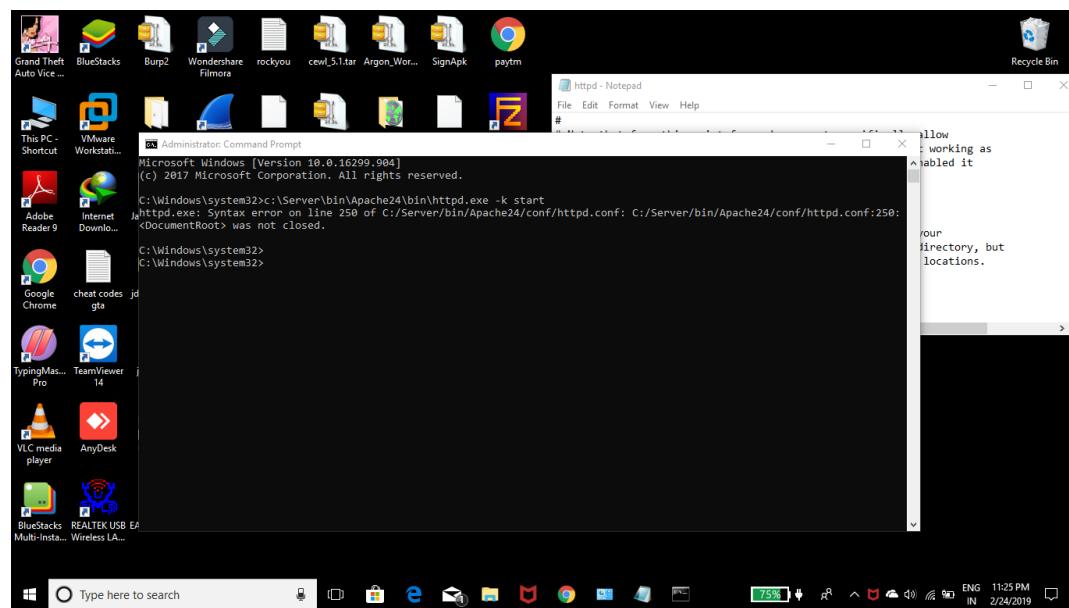
February 24, 2019 at 5:56 pm

Hlw Sir!

I have a problem in configuring Apache2.4, it is showing error that "AH00526: Syntax error on line 250 of C:/Server/bin/Apache24/conf/httpd.conf:

DocumentRoot 'C:/Server/data/htdocs/' is not a directory, or is not readable".

Plz.tell fast .



[Reply](#)

Alex says:

February 25, 2019 at 2:56 am

DocumentRoot 'C:/Server/data/htdocs/' is not a directory, or is not readable" means you did not create the C:/Server/data/htdocs/ folder.

<DocumentRoot> was not closed means you have syntax error on the corresponding line.

All in all, these problems only because you did not follow this guide literally.

Start with a cup or a couple cups of coffee and redo the guide from the beginning.

[Reply](#)

mgwai says:

February 26, 2019 at 6:15 am

```
1 Windows PowerShell
2 Copyright (C) Microsoft Corporation. All rights reserved.
3
4 PS C:\WINDOWS\system32> C:\Server\bin\mysql-8.0\bin\mysqld --initialize-insecure --
5 mysqld: [ERROR] Found option without preceding group in config file C:\Server\bin\m
6 mysqld: [ERROR] Fatal error in defaults handling. Program aborted!
7 PS C:\WINDOWS\system32>
```

[Reply](#)

Alex says:

February 27, 2019 at 1:46 am

Please check your **C:\Server\bin\mysql-8.0\my.ini** file and compare your file with the file in this guide.

[Reply](#)

mgwai says:

February 27, 2019 at 9:22 am

it working now. thanks Alex. But phpmyadmin not working for google chrome Got this msg "Failed to set session cookie. Maybe you are using HTTP instead of HTTPS to access phpMyAdmin". When I Tried using microsoft edge i can login to phpmyadmin. Any solution for google chrome? Thanks in advance

[Reply](#)



i a n says:

March 7, 2019 at 10:40 pm

Thank you so much, had a couple of problems, but when I re-did all steps for good measure it all worked perfectly. I saved me days of time. Great work.

[Reply](#)

A n o n y m o u s says:

March 8, 2019 at 11:00 am

Thanks for the post!

[Reply](#)

J O J says:

March 12, 2019 at 4:37 am

In step 5, when I run the command:

```
1 | c:\Server\bin\Apache24\bin\httpd.exe -k restart
```

I got the error:

```
1 | httpd.exe: Syntax error on line 539 of C:/Server/bin/Apache24/conf/httpd.conf: Can
```

How to fix this?

[Reply](#)

A n o n y m o u s says:

March 14, 2019 at 7:06 am

The directory slashes don't match, 1 set is forward, 1 is backward.

[Reply](#)



Edwin Flowsen says:

March 15, 2019 at 8:55 pm

Hi

I don't know if it comes under this topic.

Everything works fine, but when I install wordpress, their test page appears fine on localhost, but not on another local PC, or on external PCs

regards Edwin

[Reply](#)

William says:

April 5, 2019 at 5:51 pm

Hi at the end of part 5 where it says add the code to i.php and type in the web browser <http://localhost/i.php> it doesn't show me the same result. Instead it just shows the code in the i.php file

[Reply](#)

Ibrahim says:

April 11, 2019 at 11:17 am

2019-04-11T11:09:26.617968Z 0 [Warning] [MY-010915] [Server] 'NO_ZERO_DATE', 'NO_ZERO_IN_DATE' and 'ERROR_FOR_DIVISION_BY_ZERO' sql modes should be used with strict mode. They will be merged with strict mode in a future release.

2019-04-11T11:09:26.618063Z 0 [System] [MY-013169] [Server] C:\Server\bin\mysql-8.0\bin\mysqld (mysqld 8.0.15) initializing of server in progress as process 2388

2019-04-11T11:09:26.620830Z 0 [ERROR] [MY-010457] [Server] --initialize specified but the data directory has files in it. Aborting.

2019-04-11T11:09:26.621148Z 0 [ERROR] [MY-013236] [Server] Newly created data directory



c:\Server\data\DB\data\ is unusable. You can safely remove it.

2019-04-11T11:09:26.628421Z 0 [ERROR] [MY-010119] [Server] Aborting

2019-04-11T11:09:26.628549Z 0 [System] [MY-010910] [Server] C:\Server\bin\mysql-8.0\bin\mysqld:

Shutdown complete (mysqld 8.0.15) MySQL Community Server - GPL.

How to fix?

[Reply](#)

Ibrahim says:

April 12, 2019 at 9:49 am

I fixed my problem.

[Reply](#)

Ambarish says:

June 1, 2019 at 10:39 am

i am havig the error 1356.

initially the error was 1449 and when i fixed it ,then this error raised.

how to fix this error.

The screenshot shows the phpMyAdmin interface with the following details:

- Left Sidebar:** Shows "Recent" and "Favorites" sections.
- Top Bar:** Shows "Server: localhost" and various navigation tabs: Databases, SQL, Status, User accounts, Export, Import, Settings, Binary log, Replication, Variables, More.
- Central Area:**
 - Error Section:** Title "Error", SQL query input field with a "Edit" button.
 - Query Text:**

```
SELECT *
  CAST(BIN_NAME AS CHAR CHARACTER SET utf8) AS SCHEMA_NAME
  FROM (SELECT
  BIN_NAME AS BIN_NAME,
  SCHEMA_NAME AS SCHEMA_NAME,
  DEFAULT_COLLATION_NAME
  FROM information_schema.SCHEMATA
  GROUP BY BIN_NAME, SCHEMA_NAME, DEFAULT_COLLATION_NAME
  ORDER BY SCHEMA_NAME ASC) a
```
 - MySQL Said:** "#1356 - View 'information_schema.SCHEMATA' references invalid table(s) or column(s) or function(s) or definer/invoker of view lack rights to use them"

[Reply](#)

Carmine says:

June 21, 2019 at 8:37 pm

I had problems with XAMPP with my MediaWiki installation. I followed this guide and managed then to have MediaWiki working quickly and smoothly: thank You so much.

Carmine

[Reply](#)**Anonymous** says:

June 26, 2019 at 2:54 pm

When I appened this to httpd.conf, Apache stops and dose not restart

```
PHPIniDir "C:\Server\bin\PHP"  
AddHandler application/x-httdp-php .php  
LoadModule php7_module "C:/Server/bin/PHP/php7apache2_4.d
```

[Reply](#)**Alex** says:

June 27, 2019 at 2:02 am

Hello! In the comment you misspelled the string, please double check you configuration file:

C:/Server/bin/PHP/php7apache2_4.dll

[Reply](#)**Yudha** says:

July 11, 2019 at 9:49 pm

Hi Alex

Your installation guide is very awesome.

I want to ask when I try to copy sample project in htdocs, localhost cannot read it. Would you mind to explain that?

Thanks

[Reply](#)

Alex says:

July 12, 2019 at 1:29 am

Hello! What the exact error message did you get? Or can you provide a screenshot please?

At what folder (full path) did you put your files?

[Reply](#)

Bill Dickson says:

July 21, 2019 at 3:28 pm

Thanks!!! The instructions are clear, and I have a functioning server without the problems of xampp, wamp, uniserver, or other prefabs that I tried. While the concise instructions are amazing, it might be nice to offer an explanation of what some of the settings in httpd.conf, my.ini, and php.ini are actually doing. Maybe not, though . . . then it may get bogged down.

Great work! Thanks again.

[Reply](#)

S N B says:

August 6, 2019 at 4:25 pm

I start the Apache 2.4 icon on the process bar and the command window flashes but naturally the process has stopped.

Can you help me?

I have no problem on another Window 10 OS and Window 7 system on older computers (using Apache 2.2 and PHP 5.). These won't run on my new Windows 10 pc, so I found your recipe for the suite of Apache-PHP-MySQL but although I followed it closely I am stuck at the Apache stage.

Thanks...

PS. I changed "localhost:8080" back to "localhost" in httpd.exe.



A screenshot of a Windows 10 desktop. On the left, a PowerShell window titled 'Administrator: Windows PowerShell' shows command-line output for managing the Apache2.4 service. On the right, a calendar application titled 'SNB-personal' displays a list of months from January 2018 to July 2019. The taskbar at the bottom shows various pinned icons.

```

Administrator: Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\WINDOWS\system32> c:\$Server\bin\Apache24\bin\httpd.exe -k uninstall
Removing the 'Apache2.4' service
[OS 1072]Den angivne fil blev ikke fundet. : AH00374: Failed to delete the 'Apache2.4' service
[OS 104048]Normalt mØnsocket-adresse (protokol/netværksadresse/port) kun bruges i gang. : AH00072: make_sock: could
not bind to address [::]:8080
[OS 104048]Normalt mØnsocket-adresse (protokol/netværksadresse/port) kun bruges i gang. : AH00072: make_sock: could
not bind to address 0.0.0.0:8080
AH00015: Unable to open logs
PS C:\WINDOWS\system32> c:\$Server\bin\Apache24\bin\httpd.exe -k stop
The 'Apache2.4' service is stopping...
The 'Apache2.4' service has stopped.
PS C:\WINDOWS\system32> c:\$Server\bin\Apache24\bin\httpd.exe -k uninstall
[Tue Aug 06 18:07:16.562976 2019] [mpm_winnt:error] [pid 11208:tid 536] [OS 2]Den angivne fil blev ikke fundet. : AH0043
6: No installed service named "Apache2.4".
PS C:\WINDOWS\system32> c:\$Server\bin\Apache24\bin\httpd.exe -k start
[Tue Aug 06 18:07:44.069158 2019] [mpm_winnt:error] [pid 7312:tid 548] [OS 2]Den angivne fil blev ikke fundet. : AH0043
6: No installed service named "Apache2.4".
PS C:\WINDOWS\system32> c:\$Server\bin\Apache24\bin\httpd.exe -k install
Installing the 'Apache2.4' service
The 'Apache2.4' service is successfully installed.
Testing http://localhost
Errors reported here must be corrected before the service can be started.
PS C:\WINDOWS\system32> c:\$Server\bin\Apache24\bin\httpd.exe -k start
PS C:\WINDOWS\system32>

```

[Reply](#)**Alex** says:

August 7, 2019 at 1:53 am

Hello!

The last command succeeded and no errors arsed. So what is the problem? Apache should work.

[Reply](#)**Anonymous** says:

August 7, 2019 at 5:32 am

Thanks for inspecting it, Alex, and it is mystifying. It seems to be correctly installed and running, but still httpd.exe connects for a fraction of a second and is somehow blocked.

I have the same virus checker on all my pc's and the same firewall settings.

Also searched for processes (services.msc) to deactivate anything that could be blocking it.

Still my browser can't seem to find the localhost.

[Reply](#)

Alex says:

August 8, 2019 at 1:14 am

What if to open <http://127.0.0.1/> ?

In addition, try in command line (PowerShell) execute the commands:

```
1 | ping localhost
```

And the next:

```
1 | ping 127.0.0.1
```

And:

```
1 | curl -v localhost
```

And:

```
1 | curl -v 127.0.0.1
```

Please take screenshots or copy-paste the output of commands here, in the comment section.

[Reply](#)

Sandra says:

August 8, 2019 at 12:33 pm

Thanks Alex.

Hope the screenshots give some info.

The following comment by Luigi mentions a newer version of PHP as a solution, but I haven't reached that step in your installation process.

(Have a 64 bit OS.)

Thanks for the help!



Administrator: Windows PowerShell

```
The 'Apache2_4' service is successfully installed.
Testing httpd.conf...
Errors reported here must be corrected before the service can be started.
PS C:\Windows\system32> cd\Server\bin\Apache2A\bin\httpd.exe -k start
PS C:\Windows\system32> ping localhost

Pinging Britez-LenovoTwist [::1] with 32 bytes of data:
Reply from ::1: time<1ms
Reply from ::1: time<1ms
Reply from ::1: time<1ms
Reply from ::1: time<1ms

Ping statistics for ::1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
PS C:\Windows\system32> ping 127.0.0.1

Pinging 127.0.0.1 with 32 bytes of data:
Reply from 127.0.0.1: bytes=32 time<1ms TTL=128

Ping statistics for 127.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
PS C:\Windows\system32> curl -v localhost
VERBOS: GET http://localhost/ with 0-byte payload
[! Line1: char1
+ curl -v localhost
+ CategoryInfo          : InvalidOperation: (System.Net.HttpWebRequest:HttpWebRequest) [Invoke-WebRequest], WebException
+   at System.Net.HttpWebRequest.GetResponse()
+     FullyQualifiedErrId : WebCmdletWebResponseException,Microsoft.PowerShell.Commands.InvokeWebRequestCommand
PS C:\Windows\system32> curl -v 127.0.0.1
VERBOS: GET http://127.0.0.1/ with 0-byte payload
[! Line1: char1
+ curl -v 127.0.0.1
+ CategoryInfo          : InvalidOperation: (System.Net.HttpWebRequest:HttpWebRequest) [Invoke-WebRequest], WebException
+   at System.Net.HttpWebRequest.GetResponse()
+     FullyQualifiedErrId : WebCmdletWebResponseException,Microsoft.PowerShell.Commands.InvokeWebRequestCommand
PS C:\Windows\system32>
```

In addition, try in command line (PowerShell) execute the commands:

```
1 | ping localhost
And the next:
1 | ping 127.0.0.1
And:
1 | curl -v localhost
And:
1 | curl -v 127.0.0.1
Please take screenshots or copy-paste the output of commands here, in the comment section.
```

Reply

C:\Apache24\conf\httpd.conf - Notepad++ [Administrator]

```
196
197 </IfModule>
198
199 # 'Main' server configuration
200 #
201 # The directives in this section set up the values used by the 'main'
202 # server, which responds to any requests that aren't handled by a
203 # <VirtualHost> definition. These values also provide defaults for
204 # any <VirtualHost> containers you may define later in the file.
205 #
206 # All of these directives may appear inside <VirtualHost> containers
207 # in which case these default settings will be overridden for the
208 # virtual host being defined.
209 #
210 #
211 #
212 # ServerAdmin: Your address, where problems with the server should be
213 # e-mailed. This address appears on some server-generated pages, such
214 # as error documents. e.g. admin@your-domain.com
215 #
216 ServerAdmin admin@esenby.dk
217
218 #
219 #
220 # ServerName gives the name and port that the server uses to identify
221 # This can often be determined automatically, but we recommend you set it
222 # explicitly to prevent problems during startup.
223 #
224 # If your host doesn't have a registered DNS name, enter its IP address
225 # ServerName 127.0.0.1
226
227 #
228 #
229 # Deny access to the entirety of your server's filesystem. You must
230 # explicitly permit access to web content directories in other
231 # <Directory> blocks below.
232 #
233 <Directory />
```

Denne side kan ikke åbnes

- Kontrollér, at webadressen <http://127.0.0.1> er korrekt
- Søg efter dette website på Bing
- Opdater siden

Flere oplysninger

Les forbindelsesproblemer

C:\Apache24\conf\httpd.conf - Notepad++ [Administrator]

```
196
197 </IfModule>
198
199 # 'Main' server configuration
200 #
201 # The directives in this section set up the values used by the 'main'
202 # server, which responds to any requests that aren't handled by a
203 # <VirtualHost> definition. These values also provide defaults for
204 # any <VirtualHost> containers you may define later in the file.
205 #
206 # All of these directives may appear inside <VirtualHost> containers
207 # in which case these default settings will be overridden for the
208 # virtual host being defined.
209 #
210 #
211 #
212 # ServerAdmin: Your address, where problems with the server should be
213 # e-mailed. This address appears on some server-generated pages, such
214 # as error documents. e.g. admin@your-domain.com
215 #
216 ServerAdmin admin@esenby.dk
217
218 #
219 #
220 # ServerName gives the name and port that the server uses to identify
221 # This can often be determined automatically, but we recommend you set it
222 # explicitly to prevent problems during startup.
223 #
224 # If your host doesn't have a registered DNS name, enter its IP address
225 # ServerName localhost
226
227 #
228 #
229 # Deny access to the entirety of your server's filesystem. You must
230 # explicitly permit access to web content directories in other
231 # <Directory> blocks below.
232 #
233 <Directory />
```

Denne side kan ikke åbnes

- Kontrollér, at webadressen <http://localhost> er korrekt
- Søg efter dette website på Bing
- Opdater siden

Flere oplysninger

Les forbindelsesproblemer

Reply

Alex says:

August 10, 2019 at 1:31 am

The problem is still unclear for me. Please check the **C:\Server\bin\Apache24\logs\error.log** file. What is its content?

[Reply](#)

Sandra Britz says:

August 10, 2019 at 2:41 pm

Thanks Alex.

The error.log file hasn't been able to be opened since August 6, while I have tried to run httpd.exe many times after that.

I send you copies of the log files and a print of the PowerShell process I just set in motion a moment ago.

Thanks a lot for trying to find my mistake(s).

Sandra



The screenshot shows the Apache access log file in Notepad++. The log entries are as follows:

```

1 :1 - - [06/Aug/2019:16:38:08 +0200] "GET / HTTP/1.1" 200 161
2 :1 - - [06/Aug/2019:16:38:08 +0200] "GET /favicon.ico HTTP/1.1" 404 209
3 :1 - - [06/Aug/2019:16:38:50 +0200] "GET / HTTP/1.1" 200 5089
4 :1 - - [06/Aug/2019:16:38:50 +0200] "GET /SJ20-w205stampel.jpg HTTP/1.1" 404 214
5 :1 - - [06/Aug/2019:16:38:50 +0200] "GET /favicon.ico HTTP/1.1" 404 209
6 :1 - - [08/Aug/2019:14:14:06 +0200] "x1\x03\x03" 400 226
7 :1 - - [08/Aug/2019:14:14:06 +0200] "x1\x03\x03" 400 226
8 :1 - - [08/Aug/2019:14:14:06 +0200] "x1\x03\x01" 400 226
9 :1 - - [08/Aug/2019:14:14:06 +0200] "x1\x03\x01" 400 226
10 :1 - - [08/Aug/2019:14:14:06 +0200] "x1\x03\x01" 400 226
11 :1 - - [08/Aug/2019:14:14:10 +0200] "x1\x03\x01" 400 226
12 :1 - - [08/Aug/2019:14:04:24 +0200] "x1\x03\x03" 400 226
13 :1 - - [08/Aug/2019:14:04:24 +0200] "x1\x03\x01" 400 226
14 :1 - - [08/Aug/2019:14:04:24 +0200] "GET / HTTP/1.1" 304 -
15 :1 - - [10/Aug/2019:15:42:09 +0200] "GET / HTTP/1.1" 200 5089
16

```

The screenshot shows a Windows Command Prompt window. It lists the contents of the Apache logs directory and then runs the Apache httpd service.

```

Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\WINDOWS\system32> cd..
PS C:\WINDOWS> cd.
PS C:\> cd Server\bin\Apache24\logs
PS C:\Server\bin\Apache24\logs> dir

Directory: C:\Server\bin\Apache24\logs

Mode                LastWriteTime         Length Name
----                -                -           -
-a---    10-08-2019     15:42            971 access.log
-a---    06-08-2019     18:08          2959 error.log
-a---    06-08-2019     18:08             6 httpd.pid
-a---    05-08-2019     18:42        3146 install.log

PS C:\Server\bin\Apache24\logs> C:/Server/bin/Apache24/bin/httpd.exe
AH00451: no listening sockets available, shutting down
AH00015: Unable to open logs
PS C:\Server\bin\Apache24\logs> dir

Directory: C:\Server\bin\Apache24\logs

Mode                LastWriteTime         Length Name
----                -                -           -
-a---    10-08-2019     15:42            971 access.log
-a---    06-08-2019     18:08          2959 error.log
-a---    06-08-2019     18:08             6 httpd.pid
-a---    05-08-2019     18:42        3146 install.log

PS C:\Server\bin\Apache24\logs>

```

The screenshot shows the Apache error log file in Notepad++. The log entries are as follows:

```

1 [Tue Aug 06 16:08:34.641958 2019] [mpm_winnt:notice] [pid 9872:tid 572] AH00455: Apache/2.4.39 (Win64) configured -- resuming normal operations
2 [Tue Aug 06 16:08:34.641958 2019] [mpm_winnt:notice] [pid 9872:tid 572] AH00456: Apache Lounge VS16 Server built: May 28 2019 17:12:51
3 [Tue Aug 06 16:08:34.641958 2019] [core:notice] [pid 9872:tid 572] AH00094: Command line: 'C:\Server\bin\Apache24\bin\httpd.exe -d C:/Server/bin/Apache24'
4 [Tue Aug 06 16:08:34.645958 2019] [mpm_winnt:notice] [pid 9872:tid 572] AH00418: Parent: Created child process 12408
5 [Tue Aug 06 16:08:34.645958 2019] [process:notice] [pid 12408:tid 188] AH00094: Child: Starting 64 worker threads.
6 [Tue Aug 06 16:08:54.942597 2019] [mpm_winnt:notice] [pid 9872:tid 572] AH00422: Parent: Received shutdown signal -- Shutting down the server.
7 [Tue Aug 06 16:08:54.943500 2019] [mpm_winnt:notice] [pid 12408:tid 188] AH00064: Child: All worker threads have exited.
8 [Tue Aug 06 16:08:56.975040 2019] [mpm_winnt:notice] [pid 9872:tid 572] AH00430: Parent: Child process 12408 exited successfully.
9 [Tue Aug 06 16:08:56.975040 2019] [mpm_winnt:notice] [pid 9872:tid 572] AH00430: Parent: Child process 12408 exited successfully.
10 Starting the 'Apache2_4' service
11 The 'Apache2_4' service is running.
12 Starting the 'Apache2_4' service
13 The 'Apache2_4' service is running.
14 [Tue Aug 06 16:32:59.369485 2019] [mpm_winnt:notice] [pid 9432:tid 628] AH00455: Apache/2.4.39 (Win64) configured -- resuming normal operations
15 [Tue Aug 06 16:32:59.369485 2019] [mpm_winnt:notice] [pid 9432:tid 628] AH00456: Apache Lounge VS16 Server built: May 28 2019 17:12:51
16 [Tue Aug 06 16:32:59.369485 2019] [core:notice] [pid 9432:tid 628] AH00094: Command line: 'C:\Server\bin\Apache24\bin\httpd.exe -d C:/Server/bin/Apache24'
17 [Tue Aug 06 16:32:59.760109 2019] [mpm_winnt:notice] [pid 9432:tid 628] AH00418: Parent: Created child process 5660
18 [Tue Aug 06 16:32:59.760109 2019] [mpm_winnt:notice] [pid 5660:tid 572] AH00354: Child: Starting 64 worker threads.
19 [Tue Aug 06 18:04:11.723138 2019] [mpm_winnt:notice] [pid 9432:tid 628] AH00422: Parent: Received shutdown signal -- Shutting down the server.
20 [Tue Aug 06 18:04:11.728038 2019] [mpm_winnt:notice] [pid 5660:tid 572] AH00364: Child: All worker threads have exited.
21 [Tue Aug 06 18:04:11.758149 2019] [mpm_winnt:notice] [pid 9432:tid 628] AH00430: Parent: Child process 5660 exited successfully.
22 Starting the 'Apache2_4' service
23 The 'Apache2_4' service is running.
24 [Tue Aug 06 18:08:04.111424 2019] [mpm_winnt:notice] [pid 7548:tid 636] AH00455: Apache/2.4.39 (Win64) configured -- resuming normal operations
25 [Tue Aug 06 18:08:04.111424 2019] [mpm_winnt:notice] [pid 7548:tid 636] AH00456: Apache Lounge VS16 Server built: May 28 2019 17:12:51
26 [Tue Aug 06 18:08:04.111424 2019] [core:notice] [pid 7548:tid 636] AH00094: Command line: 'C:\Server\bin\Apache24\bin\httpd.exe -d C:/Server/bin/Apache24'
27 [Tue Aug 06 18:08:04.115419 2019] [mpm_winnt:notice] [pid 7548:tid 636] AH00418: Parent: Created child process 12020
28 [Tue Aug 06 18:08:04.815208 2019] [mpm_winnt:notice] [pid 12020:tid 572] AH00354: Child: Starting 64 worker threads.
29

```

```

C:\Server\bin\Apache24\log\install.log - Notepad+ [Administrator]
Filer Rediger Søg Vis Koding Sprog Indstilinger Verktøjer Makro Kor Plugins Vinduer
Normal text file
30 Rewrite rules/conf/extr/httpd-languages.conf.in
31 to c:/Apache24/conf/original/extras/httpd-languages.conf
Rewrite docs/conf/extras/httpd-manual.conf.in
32 to c:/Apache24/conf/original/extras/httpd-manual.conf
33 Duplicated c:/Apache24/conf/original/extras/httpd-manual.conf
34 to c:/Apache24/conf/extras/httpd-autoindex.conf
35 to c:/Apache24/conf/extras/httpd-autoindex.conf
36 Duplicated c:/Apache24/conf/original/extras/httpd-default.conf
37 to c:/Apache24/conf/extras/httpd-default.conf
38 Duplicated c:/Apache24/conf/original/extras/httpd-ssl.conf
39 to c:/Apache24/conf/extras/httpd-ssl.conf
40 Duplicated c:/Apache24/conf/original/extras/httpd-multilang-errordoc.conf
41 to c:/Apache24/conf/extras/httpd-multilang-errordoc.conf
42 Duplicated c:/Apache24/conf/original/extras/httpd-info.conf
43 to c:/Apache24/conf/extras/httpd-info.conf
44 Duplicated c:/Apache24/conf/original/extras/httpd-userdir.conf
45 to c:/Apache24/conf/extras/httpd-userdir.conf
46 Duplicated c:/Apache24/conf/original/extras/httpd-mpm.conf
47 to c:/Apache24/conf/extras/httpd-mpm.conf
48 Duplicated c:/Apache24/conf/original/extras/httpd.conf
49 to c:/Apache24/conf/extras/httpd.conf
50 Duplicated c:/Apache24/conf/original/magic
51 to c:/Apache24/conf/magic
52 Duplicated c:/Apache24/conf/original/charset.conf
53 to c:/Apache24/conf/charset.conf
54 Duplicated c:/Apache24/conf/original/extras/proxy-html.conf
55 to c:/Apache24/conf/extras/proxy-html.conf
56 Duplicated c:/Apache24/conf/original/extras/httpd-vhosts.conf
57 to c:/Apache24/conf/extras/httpd-vhosts.conf
58 Duplicated c:/Apache24/conf/original/extras/httpd-dav.conf
59 to c:/Apache24/conf/extras/httpd-dav.conf
60 Duplicated c:/Apache24/conf/original/mime.types
61 to c:/Apache24/conf/mime.types
62 Duplicated c:/Apache24/conf/original/extras/httpd-languages.conf
63 to c:/Apache24/conf/extras/httpd-languages.conf
64 Duplicated c:/Apache24/conf/original/extras/httpd-manual.conf
65 to c:/Apache24/conf/extras/httpd-manual.conf
66

```

[Reply](#)**Alex** says:

August 11, 2019 at 3:09 am

Well, what I see the web server is accessible and functional, but does not reply for requests. I guess you have wrong setting of the **Listen** directive in the **c:\Server\bin\Apache24\conf\httpd.conf** file.

Try the default setting:

```
1 | Listen 80
```

And restart the web server.

[Reply](#)**Sandra Britz** says:

August 11, 2019 at 2:05 pm

Thousand thanks, Alex!!!

Given your hint, I hurriedly opened the "new" port and realised that I had been using <https://localhost...> etc. (and not <http://>).

You have been very helpful and I greatly appreciate your patience.

[Reply](#)

Luigi says:

August 8, 2019 at 11:55 am

Quoting for previous reply, may help here:

“ The problem is in PHP version that make crash the apache on startup (see the Apache24/logs/error.log) The 'Apache2.4' service is running.
[Wed Jul 24 11:58:49.124361 2019] [:warn] [pid 6360:tid 652] AH00098: pid file C:/Server/bin/Apache24/logs/httpd.pid overwritten -
- Unclean shutdown of previous Apache run?
PHP Warning: 'vcruntime140.dll' 14.15 is not compatible with this PHP build linked with 14.21 in
Unknown on line 0
[Wed Jul 24 11:58:49.124361 2019] [:emerg] [pid 6360:tid 652] AH00020: Configuration Failed,
exiting **Download the PHP 7.3.7 (php-7.3.7-Win32-VC15-x64.zip) that is more stable than
php-7.4.0beta1.** That solved the problem for me ”

[Reply](#)

Link Alternatif Terpercaya says:

August 30, 2019 at 11:11 am

I enjoy, lead to I found just what I was having a look for.
You have ended my 4 day lengthy hunt! God Bless you man. Have a
nice day. Bye

[Reply](#)

Tom says:

October 3, 2019 at 9:45 pm

Fantastic! Such well written documentation! Made my life so much easier. Really appreciate the time and effort that you put into this.

[Reply](#)



maggie says:

October 16, 2019 at 5:41 am

```
1 | Syntax error on line 251 of C:/Server/bin/Apache24/conf/httpd.conf:  
2 | DocumentRoot 'C:/Server/data/htdocs/' is not a directory, or is not readable
```

how do i fix it?

[Reply](#)

Alex says:

October 16, 2019 at 5:48 am

I guess you have done something wrong on the second step. Please try to remake server's file structure.

[Reply](#)

maggie says:

October 16, 2019 at 6:16 am

AH00558: httpd.exe: Could not reliably determine the server's fully qualified domain name, using fe80::556f:d90a:5f6b:fdee. Set the 'ServerName' directive globally to suppress this message

how do i fix it?

[Reply](#)

Alex says:

October 16, 2019 at 6:24 am

Being on this page, press **F3** and enter the text:



1 | **ServerName** `localhost`

You will reach the place on the page containing the next tips...

The main advice, please follow the manual, it already contains answers for all similar questions.

[Reply](#)

maggie says:

October 16, 2019 at 6:35 am

thank you so much, your advice really helped.

[Reply](#)

maggie says:

October 16, 2019 at 6:33 am

in step 3, ending, when i opened the link in my browser, i got

Forbidden

You don't have permission to access this resource.

what should i do?

[Reply](#)

MegaX says:

November 4, 2019 at 4:22 pm

Hi,

When I get to step 5 and go to `http://localhost/i.php`. Stays like this:



[Reply](#)**joe** says:

March 6, 2020 at 5:54 am

I am having almost similar issue as MegaX and not sure what the probem is though the file reside in C:/Server/data/htdocs/i.php the file is listed index of /

[php7:error] [pid 3228:tid 884] [client ::1:52582] script 'C:/Server/data/htdocs/i.php' not found or unable to stat

[Reply](#)**Alex** says:

March 6, 2020 at 6:03 am

Hello, Joe! Can you make screenshot when you open <http://localhost>?



I assume the cause of the problem: you saved the file as **i.php.txt** or something similar.

[Reply](#)

J o e says:

March 6, 2020 at 4:01 pm

here's the screenshot



[Reply](#)

J o e says:

March 6, 2020 at 4:02 pm

[http://localhost](http://localhost/i.php) screenshot



[Reply](#)



Alex says:

March 6, 2020 at 4:05 pm

Yep, instead of **i.php** you named the file '**i**'. Please have some coffee before set up the web server.

[Reply](#)

Joe says:

March 6, 2020 at 6:19 pm

Thank you. I actually set it up very late last night . It works now

[Reply](#)

Alex says:

March 6, 2020 at 6:07 am

On March 1, 2020, the tutorial was verified with the latest version of Windows (build 1909) and with the latest web server components (Apache 2.4.41, PHP 7.4, MySQL 8.0.19, phpMyAdmin 5.0.1). Everything works fine, if it's done according to the instructions precisely.

[Reply](#)

Ankit Raj says:

March 13, 2020 at 3:58 am

Sir, when i extract the PHP file as in Step 5 and create i.php i can't get the PHP message as in provided image. when i run localhost/i.php it always display a message, "This site can't be reached. The connection was reset.". Is my PHP installed?

Should i move to further steps? Please help me

[Reply](#)**Alex** says:

March 13, 2020 at 4:20 am

Hello! Sorry for bad news, but even your Apache is not set properly. Please pay attention to **c:\Server\bin\Apache24\conf\httpd.conf** file. You missed something there. I recommend you to replace your file with original one and repeat the third step.

[Reply](#)**Ankit Raj** says:

March 13, 2020 at 5:16 am

But when I run localhost normally, there is no error and my files like index.html are also running without any error. Should I really update my config files of apache? and also when I install phpmyadmin, it is showing an error "There is a mismatch between HTTPS indicated on the server and client. This can lead to a non working phpMyAdmin or a security risk. Please fix your server configuration to indicate HTTPS properly."

[Reply](#)**Alex** says:

March 13, 2020 at 5:28 am

I don't understand, how is it possible to open phpMyAdmin if you cannot open <http://localhost/i.php> ? What do you see when open <http://localhost> or any other files?

What is in **C:\Server\bin\Apache24\logs\error.log** file?

Did you further customize your Apache installation beyond this tutorial?

[Reply](#)

Ankit Raj says:

March 13, 2020 at 8:23 am

When I try to access <http://localhost> it normally shows Index of and I have also created a index.html file and it works normally showing html on Chrome browser with CSS styling also. But the problem is only with phpmyadmin and those i.php file. When I enter localhost/phpmyadmin it says same message "localhost refused to connect". I was getting the same error with Xampp as well as Wamp server. That is the reason only I tried to install Apache manually but nothing happens. Error coming again.

[Reply](#)

Alex says:

March 13, 2020 at 8:30 am

I think I know the reason. You try to open via HTTPS protocol, right? Actually you use <https://localhost/i.php>, instead of <http://localhost/i.php>. Is it correct? Click [this link](#), what do you see?

[Reply](#)

Ankit Raj says:

March 13, 2020 at 12:48 pm

Sorry to disturb you, but on using HTTP: I am getting the same error on i.php and also when I try to access phpmyadmin my browser shows basic HTML structure, means very different website than your (provided screenshot) and when I enter root as admin and no password, it shows message that connection to localhost was reset. I can not understand what is the problem with my system. I have windows 10 OS.



phpMyAdmin

Welcome to phpMyAdmin

There is a mismatch between HTTPS indicated on the server and client. This can lead to a non working phpMyAdmin or a security risk. Please fix your server configuration to indicate HTTPS properly.

Language English

Log in

Username: root
Password:

Go

Ankit Raj says:

March 13, 2020 at 12:50 pm

Sorry to disturb you, but on using HTTP: I am getting the same error on i.php and also when i try to access phpmyadmin my browser shows basic HTML structure, means very different website than your (provided screenshot) and when i enter root as admin and no password, it shows message that connection to localhost was reset. I can not understand what is the problem with my system. I have windows 10 OS.

[Reply](#)

Alex says:

March 13, 2020 at 1:16 pm

Does **C:\Server\bin\Apache24\logs\error.log** file contain any clue?

[Reply](#)

Gio says:

March 23, 2020 at 6:26 pm

Hi Alex, i've followed your guide and everything seems to work fine. I just have a weird issue: when i set "**php.validate.executablePath": "C:\php\php.exe"** (i decided to put 'php' folder out of Apache folder) on **settings.json** of VS Code i receive this error message:

```
1 | Cannot validate since C:\php\php.exe is not a valid php executable. Use the setting
```

I've tried many ways, playing on path string (such as **C:\\php\\php.exe** or **C://php//php.exe** or **c:\\php\\php.exe**) but nothing works. But when i type **localhost/i.php** all seems to be correctly set. I know VS Code it's not part of your guide, but if you can help me i'd really appreciate. Thanks in advance, Gio

P.S.: i've installed 'httpd-2.4.41-win64-VS16' and 'php-7.4.4-Win32-vc15-x64'. Also added **c:\\php** to windows system path.

[Reply](#)

Alex says:

March 24, 2020 at 5:14 am

Hello! Yes, your question is beyond the scope of my activity. I saw the next example of notation:

```
1 | {  
2 |     "php.validate.executablePath": "c:/php/php.exe"  
3 | }
```

Another idea is to update all components (PHP and VS Code) to the latest releases, for example, PHP 7.4.

[Reply](#)

Rémi says:

April 1, 2020 at 8:50 am

For those who experienced problems with **PHP Warning: PHP Startup: Unable to load dynamic library 'curl'** on Apache start, the solution is to add on top the php home directory ("c:\Server\bin\PHP\") to the system (**NOT user!**) PATH environment and rebooting the system. When Apache is installed as a service it is run as a system user which means it does not see your user environment variables.

[Reply](#)

Jacksony Jean-Noel says:

May 20, 2020 at 11:07 am

Before starting the configuration, i have took my time to read the tuto, after reading it, i started the configuration without missing any point. After installing and configuring all the required tools, I have made a test and everithing was OK.

So, thanks a lot. The tuto is very, very good. I can say that this tuto about server confiruration on windows, is one the best.

Good Job.

[Reply](#)



Adrian says:

September 22, 2020 at 12:10 am

Hi,

Excellent guide. Clear and to the point. Thank you.

One little suggestion [...I do not know if that matters or not?]

In Step 7, the default language in the config file for phpMyAdmin is given as Russian.

Perhaps a note to the users so that they would change it according to their own locale?

[Reply](#)

Alex says:

September 22, 2020 at 4:56 am

Hello! Thank you for your suggestion, I agree and fixed it!

[Reply](#)

Alex says:

November 27, 2020 at 3:48 am

The instruction has been updated for PHP 8.

As usual, if the text differs from the screenshots, then you need to follow the text – I will update the screenshots later.

[Reply](#)

PEDRO says:

December 9, 2020 at 8:08 pm



BUENAS TARDES. EXCELENTE TUTORIAL MUCHAS GRACIAS

TENGO UN PROBLEMA AL QUERER INGRESAR AL <http://localhost/i.php>, me da error que no puede acceder al sitio web. Apache esta inicializado sin ningun error, ni problema. Tengo instalado windows 10 64b, y las ultimas actualizaciones del los programas.

httpd-2.4.46-win64-VC15.zip

php-8.0.0-Win32-vs16-x64.zip

mysql-8.0.22-winx64.zip

phpMyAdmin-5.0.4-all-languages.zip

vc_redist.x64.exe

[Reply](#)

Alex says:

December 10, 2020 at 6:47 am

Greetings! The reason for this error is that the web server is not running. Try to run it:

1 | c:\Server\bin\Apache24\bin\httpd.exe -k start

and examine the error message that will be shown.

[Reply](#)

Daniel O.F. says:

April 13, 2021 at 7:34 pm

Thank you very much for this awesome tutorial.



[Reply](#)**Anonymous** says:

April 23, 2021 at 8:20 am

Thank you for this tut. I know this has been an old post. I have this problem when login to phpmyadmin.

Fatal error: Maximum execution time of 30 seconds exceeded in **C:\Server\data\htdocs\phpmyadmin\libraries\classes\ErrorHandler.php** on line **176**. what could be the problem. Thank you

[Reply](#)**neil** says:

June 14, 2021 at 4:13 pm

Marvelous! Following you is much better than installing WAMP.

[Reply](#)**olga** says:

June 22, 2021 at 9:45 am

hi!!! how can i fix this? hank you!!!



[Reply](#)**Alex** says:

June 22, 2021 at 10:20 am

Hello! Did you install according to these guide?

[Reply](#)**olga** says:

June 22, 2021 at 10:32 am

yes I followed this guide, I don't know maybe I did something wrong, up to this point everything worked

[Reply](#)**Alex** says:

June 22, 2021 at 10:48 am

You are not the first to report this error. But I cannot reproduce it under any circumstances.



I found a file that contains the specified string, this is the platform_check.php file. I ran it directly and got the following message:

```
1 | Composer detected issues in your platform:  
2 | Your Composer dependencies require the following PHP extensions to be installed: ha
```

```
PS Z:\> php .\platform_check.php  
Composer detected issues in your platform:  
  
Your Composer dependencies require the following PHP extensions to be installed: hash, openssl  
PS Z:\>
```

That is, my system also does not meet Composer's requirements (by the way, what is it and why are its files placed in phpMyAdmin?), but with normal web server use, I never encounter this error.

Judging by the fact that you do not have the **mysqli** and **openssl** extensions loaded, for some reason your system does not use the settings from the **php.ini** file, you can verify this by running in the command line:

```
1 | C:\Server\bin\PHP\php --ini
```

```
PS Z:\> C:\Server\bin\PHP\php --ini  
Configuration File (php.ini) Path:  
Loaded Configuration File: C:\Server\bin\PHP\php.ini  
Scan for additional .ini files in: (none)  
Additional .ini files parsed: (none)  
PS Z:\> |
```

The output should include the path to the file **C:\Server\bin\PHP\php.ini**. If this is not the case, then perhaps you did not rename the file in **php.ini**, or called it **php.ini.txt** or something like that.

[Reply](#)

olga says:

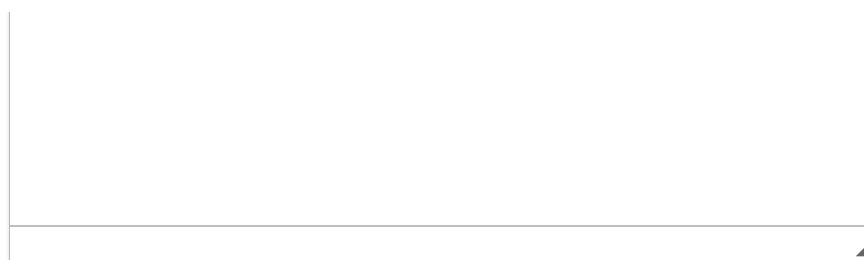
June 22, 2021 at 11:04 am

OOO!! I have found, I have miss extension dir. Thanks so much!!!!

[Reply](#)

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