

James D. McCaffrey

Software Research, Development,
Testing, and Education

Installing PHP on Windows 10 and IIS

Posted on [January 26, 2017](#)

I've always liked PHP for creating dynamic Web pages. I find PHP to be much simpler than ASP.NET for some kinds of Web sites.

However, installing PHP on a Windows machine has always been kind of a pain in the patooty. It is possible install PHP using the Microsoft Web Platform Installer, but I prefer to manually install PHP because if something goes wrong using the Web Installer, it's very, very difficult to fix, but errors in a manual install are easier to track down.

There are five basic steps to install PHP on a Windows 10 machine:

1. Enable (if necessary) IIS on the machine, and IIS-CGI on the machine.
2. Download and extract PHP to C:\PHP
3. Configure the php.ini configuration file
4. Configure IIS to handle PHP page requests
5. Test everything

So, here we go. My instructions are highly abbreviated and are intended for someone who has a medium amount of familiarity with Windows and IIS.

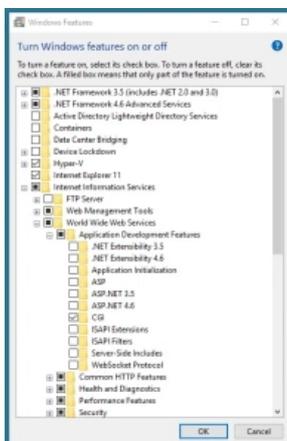
1. Configure IIS

Control Panel | Programs | Turn Windows features on or off

Check Internet Information Services

Check IIS | World Wide Web Services | Application Development Features | CGI

OK

**2. Install the NTS (non-thread safe) 64-bit version of PHP**

Download and save onto the machine:


```

extension=php_imap.dll
extension=php_interbase.dll
extension=php_ldap.dll
extension=php_mbstring.dll
extension=php_exif.dll
extension=php_mysqli.dll
extension=php_oci8_12c.dll
extension=php_openssl.dll
extension=php_pdo_firebird.dll
extension=php_pdo_mysql.dll
extension=php_pdo_oci.dll
extension=php_pdo_odbc.dll
extension=php_pdo_pgsql.dll
extension=php_pdo_sqlite.dll
extension=php_pgsql.dll
extension=php_shmop.dll

```

Save the edited php.ini file.

4. Configure IIS to work with PHP

Run | inetmgr

Handler Mappings | Add Module Mapping

Request path: *.php

Module: FastCgiModule (from the dropdown)

Executable (optional): C:\PHP\php-cgi.exe

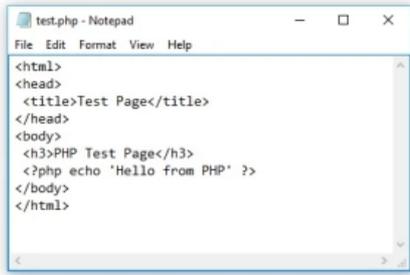
Name: FastCGI

OK (Yes)



5. Test the installation and configuration

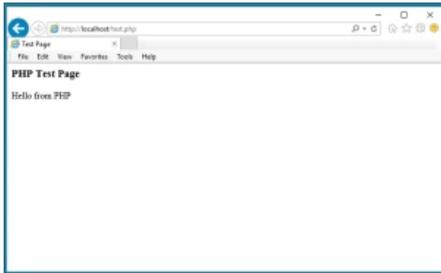
Launch Notepad with Administrative privileges. Create a file test.php and save it at C:\inetpub\wwwroot. The contents are (I use an image because my blog software would choke on HTML text):



```
<html>
<head>
<title>Test Page</title>
</head>
<body>
<h3>PHP Test Page</h3>
<?php echo 'Hello from PHP' ?>
</body>
</html>
```

Now launch a browser and navigate to

<http://localhost/test.php>



And hopefully it works. There's a LOT that can go wrong, but by Googling one error at a time you should eventually be able to get a Windows 10 machine with IIS to serve up PHP Web pages.

Share this:



8 bloggers like this.

Related

[Installing PHP on IIS and Windows 10](#)
In "Miscellaneous"

[Installing PyTorch 1.5 for CPU on Windows 10 with Anaconda 2020.02 for Python 3.7](#)
In "PyTorch"

[A Quick Look At The Dart Language](#)
In "JavaScript"

This entry was posted in [Miscellaneous](#). Bookmark the [permalink](#).

James D. McCaffrey

Blog at WordPress.com.