

Xdebug Installation Guide

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This tutorial explains how to install Xdebug extension to your web server and prepare it to be used for debugging with PhpStorm IDE.


Downloading, Installing and Configuring the Xdebug Extension

1. Download the Xdebug extension compatible with your PHP version (mind the PHP version number and thread-safe/non-thread-safe option) from the [official site](#). These instructions are based on the latest version in the 2.x release of Xdebug.
2. Copy the extension file to your web server in a location that is accessible by the web server.
3. Add the following lines at the end of your php.ini file:

```
[Xdebug]
zend_extension=<full_path_to_xdebug_extension>
xdebug.remote_enable=1
xdebug.remote_host=<the host where PhpStorm is running (e.g. localhost)>
xdebug.remote_port=<the port to which Xdebug tries to connect on the host where PhpStorm is running (default 9000)>
```

 Since PHP 5.3, you always need to use the 'zend_extension', and NOT 'zend_extension_ts', 'zend_extension_debug' or 'extension'.

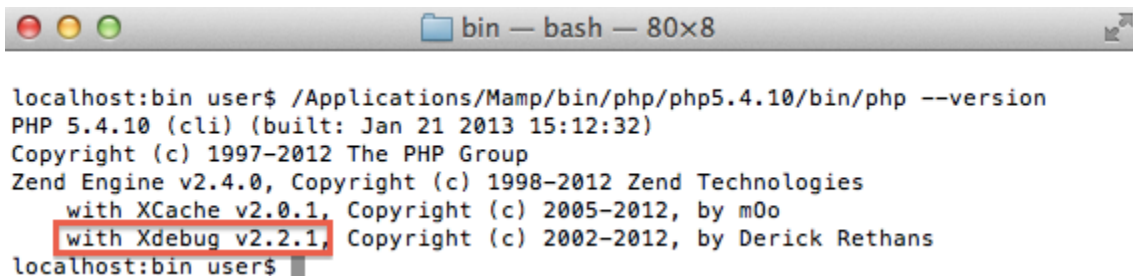
 The value of 'xdebug.remote_host' can be a host name (e.g. localhost) or an IP address.

 The value of 'xdebug.remote_port' is usually 9000. It is default value in Xdebug and PhpStorm. Ensure that the specified port is opened on your client machine.

For additional information check <http://xdebug.org/docs/remote>

4. Restart your web server
5. Check your installation:
 - a. Execute in the terminal

```
php --version
```



```
localhost:bin user$ /Applications/Mamp/bin/php/php5.4.10/bin/php --version
PHP 5.4.10 (cli) (built: Jan 21 2013 15:12:32)
Copyright (c) 1997-2012 The PHP Group
Zend Engine v2.4.0, Copyright (c) 1998-2012 Zend Technologies
  with XCache v2.0.1, Copyright (c) 2005-2012, by m0o
  with Xdebug v2.2.1, Copyright (c) 2002-2012, by Derick Rethans
localhost:bin user$
```

- b. Or create a file with the following content:

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

c. Open a page corresponds to this file and check phpinfo() output. It should contain Xdebug section:

xdebug

xdebug support	enabled
Version	2.2.1
IDE Key	PHPSTORM

Once you've installed and configured Xdebug, you can use the [Validating Your Debugging Configuration](#) tool to confirm that the configuration of Xdebug and PhpStorm are compatible.

Useful links

- [Details about Xdebug configuration from the official Xdebug site](#)
- [JetBrains PhpStorm web help page about Xdebug configuration](#)
- [Tailored Installation Instructions](#)

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