

# 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'.

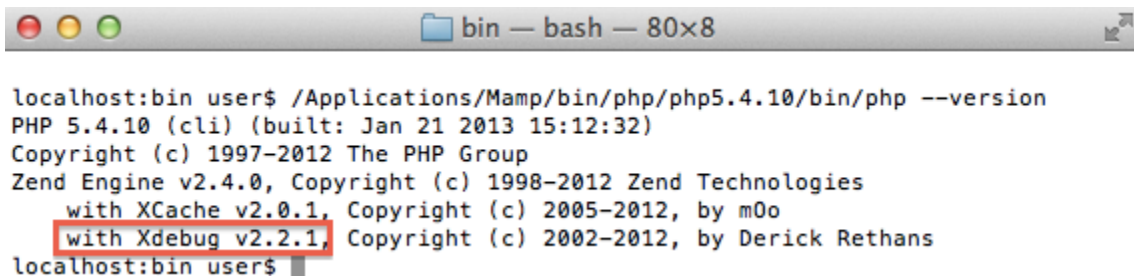
 The value of 'xdebug.remote\_host' can be a host name (e.g. localhost) or an IP address.

 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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