


Configuring Zend Debugger

Configuring the Zend Debugger tool involves:

- [Downloading and installing Zend Debugger](#)
- [Enabling Zend Debugger integration with the PHP engine](#)
- [Integrating Zend Debugger with IntelliJ IDEA](#)

Downloading and installing Zend Debugger

1. Download the [Zend Debugger package](#)  which corresponds to your operating system.
2. Locate the `ZendDebugger.so` (Unix) or `ZendDebugger.dll` (Windows) file in the directory which corresponds to your version of PHP (e.g. 4.3.x, 4.4.x, 5.0.x, 5.1.x, 5.2.x, 5.3.x, 5.4.x).
3. Copy the file to your Web server in a location that is accessible by the Web server.

Enabling Zend Debugger integration with the PHP engine

1. Locate and open the active `php.ini` file.

To find out which `php.ini` file is active, [create and run a test file](#) with `phpinfo()`, then search for the Loaded Configuration File.

2. Locate or create the `[Zend]` section.
3. To load the Zend Debugger extension, add one of the following lines inside the `[Zend]` section depending on your operating system:

- *Linux and OS X:*

```
zend_extension=<full_path_to_ZendDebugger.so>
```

- *Windows:*

```
zend_extension_ts=<full_path_to_ZendDebugger.dll>
```

- *Windows non-thread safe:*

```
zend_extension=<full_path_to_ZendDebugger.dll>
```

The Windows non-thread safe binary file is only used with Zend Core 2.0.

4. To enable access to Zend Debugger from PhpStorm, add the following lines:

```
zend_extension=<full_path_to_zend_debugger_extension>
zend_debugger.allow_hosts=127.0.0.1
zend_debugger.expose_remotely=allowed_host
zend_debugger.tunnel_min_port=<any integer value above 1024>
zend_debugger.tunnel_max_port=<any integer value below 65535>
```

The value of the `zend_debugger.allow_hosts` parameter is the IPs of your machine to connect to the server debugger. It could be a comma-separated list of IPs in the format `X.X.X.X` (for example, `192.168.0.6`).



For a thread-safe Windows binary use the `zend_extension_ts` parameter instead of `zend_extension`.

5. Restart your Web server.
6. To check that the Zend Debugger has been installed and configured correctly, create a file with the following contents:

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

Open the page that corresponds to the file in the browser. The output should contain a **Zend Debugger** section.

Integrating Zend Debugger with IntelliJ IDEA

1. Open the [Project Settings](#) and click **PHP**.
2. On the **PHP** page that opens, click the **Browse** button  next to the **Interpreter** drop-down list.
3. In the **Interpreter** dialog box that opens, choose **Zend Debugger** from the **Debugger** drop-down list.
4. Define the Zend Debugger behaviour. Click **Debug** under the **PHP** node. On the **Debug** page that opens, specify the following settings in the **Zend Debugger** area:
 - In the **Debug Port** text box, appoint the port for IntelliJ IDEA to communicate with the tool through. Type the port number within the *tunnel* specified in the `php.ini` file through `zend_debugger.tunnel_min_port` and `zend_debugger.tunnel_max_port`. For details, see <http://files.zend.com/help/previous-version/Zend-Server-4-Community-Edition/zenddebugger.html> .
 - To have IntelliJ IDEA accept any incoming connections from Zend Debugger engines through the port specified in the **Debug port** text box, select the **Can accept external connections** check box.
 - To use a debugger toolbar in the browser, specify the port through which the debugger settings are passed to the browser in the **Settings broadcasting port** text box.
5. To have Zend Debugger stop as soon as connection between it and IntelliJ IDEA is established (instead of running automatically until the first breakpoint is reached), turn on the **Run | Break at first line in PHP scripts** option on the main menu.

See Also





Procedures:

- [Configuring PHP Development Environment](#)
- [Creating and Editing Run/Debug Configurations](#)
- [Configuring XDebug](#)

Reference:

- [Debug](#)
- [PHP](#)

External Links:

- <http://confluence.jetbrains.com/display/PhpStorm/Zend+Debugger+Installation+Guide> 
- <http://www.zend.com/en/> 
- <http://static.zend.com/topics/Zend-Debugger-Installation-Guide.pdf> 
- <http://www.zend.com/en/products/studio/downloads> 

Web Resources:

- [Developer Community](#) 