

Zend Server on Mac OS X

What is Zend Server?

Zend Server is a complete, enterprise-ready Web Application Server for running and managing PHP applications that require a high level of reliability, performance and security.

Zend Server Community Edition (CE) is a simple, integrated Web Application Server for building and running non-critical PHP applications.

What is Installed?

- PHP-Zend Server provides a complete PHP stack that can be controlled by the Administration Interface
- MySQL Database
- Apache Web server

In addition, the following components are also installed:

Zend components that are installed and enabled:

- Zend Debugger - The Zend Debugger component enables remote debugging of PHP scripts using Zend Studio or PDT.
- Zend Optimizer+ - The Zend Optimizer+ component speeds up PHP execution through opcode caching and optimization.
- Zend Data Cache - The Zend Data Cache component provides a set of PHP functions for improving performance by storing data in the cache.
- Zend Framework - An open source framework for developing Web applications and Web services with PHP.
- PHPmyAdmin - A popular open-source management tool for handling MySQL Database over a Web interface.

Additional Zend Server features that are not included in the Community Edition:

- Zend Monitor - The Zend Monitor component is integrated into the runtime environment and serves as an alerting and collection mechanism for early detection of PHP script problems.
- Zend Page Cache - The Zend Page Cache component is used for caching the entire output of PHP scripts without changing the PHP code.
- Job Queue Component - The Jobs Component is used to streamline offline processing of PHP scripts.
- Zend Code Tracing - Code Tracing enables real-time execution flow recording in Production Environments.

Basic Usage

The Administration Interface provides the various controllers for configuring and managing your environment. The first thing you should do after completing the installation process is to open the Administration interface and set your password.

You can access the Administration Interface by launching /Applications/ZendServer

Alternatively, you can simply access <https://localhost:10082/> or <http://localhost:10081/> with your

browser.

If you are trying to access a remote server, replace *localhost* with the address of the server you are accessing.

Starting and Stopping Zend Server

You can control the different Zend Server processes by opening a Terminal window and using the `/usr/local/zend/bin/zendctl.sh` script.

Note:

You must have administrator privileges to perform these actions.

To start/stop all Zend Server processes run:

```
sudo /usr/local/zend/bin/zendctl.sh <stop|start|restart>
```

To start/stop Apache run:

```
sudo /usr/local/zend/bin/zendctl.sh <start-apache | stop-apache | restart-apache>
```

To start/stop MySQL run:

```
sudo /usr/local/zend/mysql/bin/mysql.server <start | stop | restart >
```

To see all options available for zendctl.sh run:

```
sudo /usr/local/zend/bin/zendctl.sh
```

Mac OS X System Paths

Zend Server is installed to the `/usr/local/zend` directory. Additionally, a launcher application is installed at `/Applications/ZendServer`.

By default, the Apache web server bundled with Zend Server is listening to port 10088 in order to avoid collisions with any existing Apache, and is available at `http://localhost:10088/`.

The default Apache document root is at `/usr/local/zend/apache2/htdocs`. By default, this directory is only writable by administrators.

To change the default port or document root, edit the Apache configuration file and restart the Apache server. The main Apache configuration file is located at `/usr/local/zend/apache2/conf/httpd.conf`

(Note: please make sure the port you are using is not occupied by other programs – for example when using port 80 make sure no other Web server is occupying this port).

Zend Controller

Zend Controller is a utility that provides quick access to frequently performed tasks and useful information. Zend Controller includes a search function for locating information in online resources such as the PHP manual, the Zend Framework reference guide and the Zend website.

In order to install Zend Controller, drag it from the downloaded disk image to `/Applications`. Please note that you should install Zend Controller only after you have installed Zend Server. Once installed it can be launched from `/Applications`.

Ctrl+click on the menu bar icon to open a setup menu and change the Zend Server IP address and password configurations.

To launch Zend Controller at startup:

1. Go into the System Preferences, click on Accounts, select your account and click on the "Login Items" tab.

2. Click the "+" button under the applications list.
3. Locate Zend Controller in /Applications and click "Add".

If Zend Controller is already running, you may skip this process and simply Ctrl+Click the Zend Controller icon in the dock, and select "Open at Login" from the pop-up menu.

System Requirements

1. Mac OS X 10.6 (Snow Leopard) 10.7 (Lion) on Intel hardware
2. An account with administrator privileges
3. A minimum of 500 megabytes of available disk space is required to unpack and install Zend Server.

Further Information and Documentation

Product Information:

The full Zend Server documentation is available through the Administration Interface or on-line at <http://files.zend.com/help/Zend-Server/zend-server.htm>

You can send feedback on content and requests to documentation@zend.com

Third Party License Information:

All relevant 3rd party software licenses can be found at */usr/local/zend/doc/licenses/*

Thank you for using Zend Server!

Zend Technologies

<http://www.zend.com>