

zend[®]server for IBM i 5.0

Powering Business-Critical PHP Applications on IBM i

Features at a Glance

Simple Deployment

Windows-based or native Save File installations include all the components required for running and managing PHP applications

Proactive Problem Detection

PHP application monitoring alerts to failures and performance slowdowns in production

Rapid Root Cause Analysis

Recording of code execution in production, similar in concept to an airplane's flight recorder, enabling diagnosis of problems without having to reproduce them

Enhanced Performance

Performance optimization capabilities, such as page caching, caching API and bytecode acceleration ensure top performance and minimal resource utilization

Zend Framework Integration

Zend Server for IBM i supercharges Zend Framework applications with integrated capabilities that improve performance and manageability in production

5250 Bridge

Built-in component that provides access to interactive 5250 IBM i applications, allowing simple integration of PHP without needing to rewrite old apps

FastCGI Support

Single Apache server implementation simplifies administration and increases performance

Support and Updates

Comprehensive technical support, software updates, hot fixes, and security patches

PHP is one of the most popular, flexible, and powerful scripting languages around. But if you have business-critical applications running on IBM i, how can you take advantage of PHP while ensuring your applications are fast, secure and reliable? How do you integrate data coming from RPG or from DB2? How do you keep up with configuring and maintaining dozens of PHP extensions and drivers? How do you protect yourself from vulnerabilities in a myriad of libraries? How do you make every deployment a success?

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

- **Business-grade PHP** – Up-to-date, fully tested, supported and documented PHP stack ensures high reliability and minimal risk
- **Deployment with confidence** – A consistent, complete environment used in development, testing and production eliminates many of the problem you may encounter during deployment
- **Rapid response to problems** – Application monitoring and diagnostics enable early problem detection and quick root cause analysis, while code tracing ensures that production issues can be rapidly analyzed and fixed
- **Top application performance** – Built-in optimization and acceleration ensures high performance and low resource utilization
- **Leverage the power of IBM i** – Features specific to the IBM i world, like the 5250 bridge and PHP toolkit, make PHP applications easy to build and run on IBM i

Enhance Reliability, Improve Staff Productivity

Tracking, installing, configuring and testing dozens of PHP libraries and drivers is a time sink for developers, testers and administrators. The rapid updates and code changes in today's fast-paced Web application arena further aggravate the challenges of maintaining reliable PHP runtime environments. In addition, ensuring application security is an all-time priority.

Zend Server for IBM i is a complete and pre-integrated solution that frees you from the hassle of maintaining your PHP infrastructure. Zend Server includes a certified PHP distribution, Zend Framework, Apache Web server, out-of-the-box connectivity to common databases including DB2 and MySQL, integration with Java and with 5250 devices, and a scalable and PHP-integrated download server.

As a Zend Server for IBM i customer, you will have access to Zend's technical support, and receive, online software updates, hot fixes and security patches, to ensure that you run the most reliable, secure, and up-to-date version of PHP.

Ensure Successful Deployments

Many of the problems encountered during application deployment or in production occur because different PHP versions and configurations are used in development, testing and production.

Zend Server for IBM i enables you to develop and deploy your PHP applications with confidence, ensuring every member of your team uses the same, highly reliable environment consistently throughout each stage of the application lifecycle.

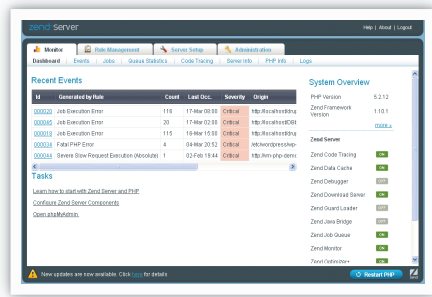


The PHP Company

Detect Problems Before the Phone Rings

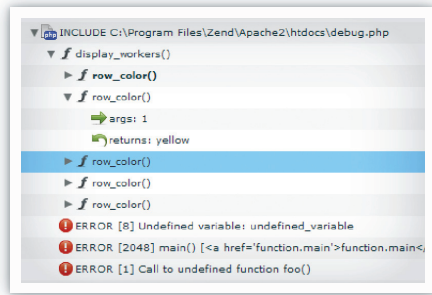
When things go wrong with your application, you want to know about it as soon as possible, and resolve the problem before end users are impacted. Zend Server for IBM i enables you to take a proactive approach when it comes to ensuring the best user experience by monitoring PHP application execution and alerting you to critical problems such as:

- Slow PHP script execution
- PHP errors
- Errors in specific function calls
- Excess memory usage
- Errors in called Java code
- And more...



Slash Problem Diagnosis and Resolution Time

Knowing that a problem occurred is the essential first step, yet what really counts is how fast you can isolate its root cause and deliver a solution. Zend Server for IBM i reduces root cause analysis time by recording the live application execution when a problem occurs. Just as an airplane's black box flight recorder captures everything that goes wrong for later analysis – without requiring the airline to “reproduce” the problem – Code Tracing in Zend Server eliminates the need to reproduce problems that occur in the production environment. Issues that may have taken development a long time to pin down, like those depending on the state of the production database or server load, are now transparent for analysis.



Boost Application Performance

Business-critical Web applications need to deliver top user experience, even at peak loads, yet deploying more hardware to increase performance might prove to be a more costly approach. Zend Server for IBM i provides multiple technologies for improving application response times and minimizing resource utilization.

- **Code Acceleration** – PHP bytecode caching increases performance with no application changes
- **Full page caching** – A URL-based HTML output cache that does not require any application changes
- **Data caching** – A set of functions that allow developers to cache data in shared memory or to disk

Supported Environments

Supported Operating System Versions

- V5R4
- i6.1
- i7.1

Java Bridge Compatibility

- IBM JRE version 1.4.2 or higher

For additional information about supported environments, visit www.zend.com/server/i

Zend Server Editions

- **Zend Server Community Edition for IBM i** – free PHP stack with basic management capabilities and one year of support
- **Zend Server for IBM i** – PHP stack with comprehensive management capabilities and up to 24x7 phone support

Zend Solutions

Zend Developer Solution

A complete solution for professional PHP development teams, including Zend Studio, Zend Server for development and technical support by Zend.

Zend Production Server Solution

An enterprise-grade solution ensures top performance and availability for your business-critical PHP applications.

Zend Services

Training, certification and consulting by Zend's PHP experts.

Read more at:

www.zend.com/en/solutions

Corporate Headquarters: Zend Technologies, Inc. 19200 Stevens Creek Blvd. Cupertino, CA 95014, USA • **Tel** 1-408-253-8800 • **Fax** 1-408-253-8801
Central Europe: (Germany, Austria, Switzerland) Zend Technologies GmbH Rosenheimer Strasse 145 b-c, 81671 Munich, Germany • **Tel** +49-89-516199-0 • **Fax** +49-89-516199-20
International: Zend Technologies Ltd. 12 Abba Hillel Street, Ramat Gan, Israel 52506 • **Tel** 972-3-753-9500 • **Fax** 972-3-613-9671
France: Zend Technologies SARL, 5 Rue de Rome, ZAC de Nanteuil, 93110 Rosny-sous-Bois, France • **Tel** +33-1-4855-0200 • **Fax** +33-1-4812-3132
Italy: Zend Technologies, Largo Richini 6, 20122 Milano, Italy • **Tel** +39-02-5821-5832 • **Fax** +39-02-5821-5400
Ireland: Zend Technologies, Regus Harcourt, Block 4, Harcourt Road, Dublin 4, Republic of Ireland • **Tel** + 353-1-4773065

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