Zend Production Solution

Performance, Scalability, Reliability and Security for your PHP Applications

Features at a Glance

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

Session Clustering
Seamlessly fail over PHP sessions between servers to provide high availability

Centralized Problem Detection
PHP application monitoring alerts to failures and performance slowdowns across clustered applications

Centralized PHP Configuration Management
Detect configuration drift and ensure cluster consistency

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

Zend Framework Integration
Supercharge Zend Framework applications with integrated capabilities that improve performance and manageability in production

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

Job Queue
Scheduling and execution of long-running PHP scripts in parallel or at specified times removes application bottlenecks

Java Integration
Built-in connector enables calls from PHP to Java code running on a Java application server

PHP has proven itself as the most common platform for the Web. However, when you use PHP for your business-critical applications, , a variety of new challenges come into focus: How do you ensure high performance? How do you scale when traffic increases? How do you detect and resolve problems? How do you maintain compliance? Who do you turn to for technical support?

The Zend Production Solution allows you to meet these challenges and others by providing a complete, enterprise-grade PHP application stack and management solution for PHP applications that run on premise or in the cloud.

- **Availability and reliability** – Use an up-to-date, fully tested and supported PHP stack with failover support, which ensures highly available applications with minimal risk
- **Performance and scalability** – easily scale applications to meet changing demand and ensure optimal application performance through multiple built-in optimization and acceleration technologies
- **Staff productivity** – Cut the time you spend on maintain and updating the PHP stack, and quickly detect and isolate application problems

Ensure High Availability for Your PHP Application

When business-critical applications go down, the consequences frequently are seen in lost revenue and failed business initiatives. Creating highly available web applications is vital to the success of an enterprise.

The Zend Production Solution enables you to simply and easily create robust and highly available applications in PHP. Centralized cluster management helps eliminate potential problems stemming from server mis-configuration. And Zend Server Cluster Manager provides session clustering to deliver session redundancy and failover.

Furthermore, as a Zend Production Solution 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.

Boost Application Performance

Business-critical Web applications need to deliver top user experience, even at peak loads. The Zend Production Solution provides multiple options 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
- **Job Queue** – Streamline an application's end-user experience by offloading non-interactive tasks to a cluster-wide scheduler

Of course, when demand reaches a level that requires adding additional resources to meet it, the Zend Production Solution makes it easy to scale up applications by adding additional cluster nodes to meet that demand.
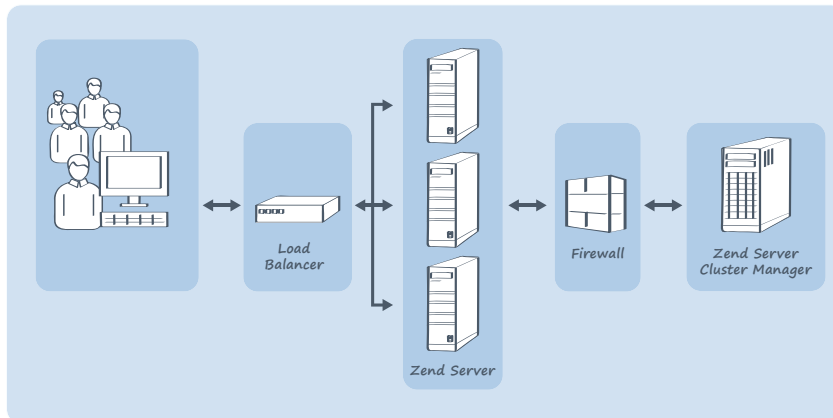
The PHP Company

Scale Up and Manage Large-Scale Deployments

While scaling your PHP application to multiple servers helps respond to changing demand, adding servers inevitably adds complexity. Deploying or updating an application on multiple servers involves many configuration changes that need to be duplicated across all servers; Monitoring a multi-server environment and isolating issues for fast problem resolution are extremely challenging.
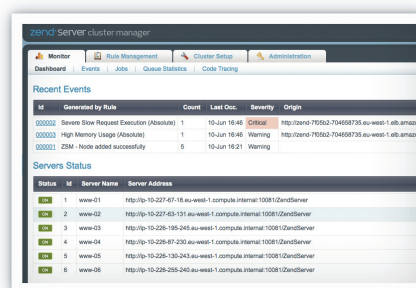
The Zend Production Solution gives you the power to manage these complexities. When a new server is added to a cluster (whether in a cloud or in your datacenter), it is automatically configured appropriately. When an administrator makes a change on one clustered server but not on others, you'll receive an alert. And when an approved change needs to be propagated across the cluster, Zend Server Cluster Manager handles all the work.

Detect, Diagnose and Resolve Problems

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. The Zend Production Solution enables you to take a proactive approach when it comes to ensuring the best user experience. It monitors PHP application execution whether on a single server or multiple servers, on premise or in the Cloud, and alerts you to critical problems, such as slow performance, errors, configuration mistmatches, and more.

The Zend Production Solution also slashes root cause analysis time by recording the live application execution when a problem occurs. Just like an airplane's black box flight recorder, Zend Server eliminates the need to reproduce problems that occur in the production environment, enabling developers and administrators to quickly and efficiently pinpoint root cause of problems.

SUPPORTED ENVIRONMENTS

Supported Operating Systems

- Linux x86 and x86-64 (RPM/DEB)
- Windows 7, Windows XP, Windows Vista, Windows Server 2003 and Windows Server 2008 (32/64 bit)

Supported Web Servers

- Apache
- Microsoft IIS

Java Bridge Compatibility

- Sun or IBM JRE version 5 or higher

For additional information about supported environments, visit: www.zend.com/en/products/server

Other 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 Services

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

Read more at: www.zend.com/en/solutions

www.zend.com