

TEAM SUPPORT WITH ZEND

Kent Mitchell

Director, Product Marketing

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Agenda

- **Application Infrastructure**
- **Team Development**
- **Production Problem Resolution**
- **Q & A**

Application Infrastructure: The Issues

- **Too many teams reinvent the wheel**
 - Time consuming
 - Error prone: Security issues and bugs
 - Incomplete functionality
- **Inconsistent environment causes problems**
 - Hard to diagnose
 - Causes delays and unexpected downtime
 - Poor scalability
- **Standardizing infrastructure can eliminate these issues**

Step 1: Zend Framework

- **Leverage Zend & Industry expertise**
- **Active open source community**
 - Very popular (over 4M downloads)
- **Flexible use at will architecture**
 - User what you want – leave what you don't
- **Provides common application services**
 - MVC, RIA, Web Services/SOA, Authentication, Internationalization
- **Leverage your corporate expertise**
 - OO extensibility - Standardize corporate practices and services
- **Support & Services provided by Zend**
- **The result**
 - Save time, leverage corporate knowledge, reduce errors

Step 2: Zend Core

- **Standardize your PHP Environment**
 - Consistent PHP versions
 - Consistent Certified PHP extensions
 - Automatic Updates and patches
 - Bundled Web server, Databases & Drivers
- **Support & Services provided by Zend**
- **The result**
 - Prevents errors by eliminating the inconsistencies
 - Save money – Deployment inconsistencies can be costly

Step 3: Zend Platform

- **Centralized configuration setup / management**
 - Automatic replication of settings prevents inconsistency
- **Plan for scalability early in development**
 - Modern URL based caching for MVC applications
 - Data caching APIs for general purpose use
 - Job Queue support for asynchronous execution
 - Download Server for scalable multi-media performance
- **The result**
 - Consistent environment to prevent errors
 - Critical scalability functionality

Team Development: The Issues

- **Large code bases challenge understanding**
- **Bigger teams require coordination**
 - Version control is essential
 - Large teams & multiple locations require coordination
 - Coordination of activities essential
- **Coordinated testing processes are critical**
- **Extensible development tools needed**
 - Multi-language support
 - Support for other tools

Step 4: Zend Studio for Eclipse

- **Modern Eclipse based IDE**
 - Multi-language for unified development tools
 - PHP, Java, JavaScript, HTML WYSIWYG, and more ...
 - Extensible plug-in architecture for integration with others tools
- **Language sensitive coding support**
 - Code completion & browsing
 - PHPDoc simplifies API documentation
 - Coding formatting, templates & style support
- **Integrated Zend Framework support**
- **Leverage your corporate IP**
 - Code Galleries let you define reusable code snippets
 - Define project for common services

Step 4: Zend Studio for Eclipse (cont)

- **Integrated debugging**
 - Find and fix problems on your server quickly and easily
- **Comprehensive version control support**
 - Manage code changes directly from the IDE
 - Support for Subversion, CVS and other systems with standard Eclipse plug-ins
- **Manage lists of action items across the team**
 - To-do lists automatically tack open action items
- **Support for Agile Development**
 - Code Refactoring
 - PHPUnit testing support
 - Built in Code Coverage and profiling support
 - Consider automated “build” system like CruiseControl

Production Problem Resolution: The Issues

- **Production problems are hard to diagnose**
 - Problem reports are often vague
 - Many problems are not detected early enough
 - General purpose monitoring tools are not deep enough
- **Problem reproduction is difficult**
 - Systems are inconsistent
 - Data in problem reports is incomplete
 - Debugging on production servers is “scary”

Step 5: Zend Platform for Quick Resolution

- **PHP Intelligence monitors events for:**
 - Slow Script/Function/Query execution, Database errors, PHP errors, Function errors, Excess memory usage, Load average
- **Records all state associated with the event**
 - Easily understand and debug the root cause of the error
- **Replay events on development server**
 - Speed diagnosis and fix in safe environment
 - Fully integrated with Zend Studio for Eclipse
- **API – Define custom events for your needs**
- **Integrated with SNMP tools, Email, etc.**
 - Know about problems before customers are impacted

Summary

- **Zend Framework**
 - Speed development by standardizing your application structure
 - Prevent error
- **Zend Core**
 - Prevent inconsistency in your PHP environment
- **Zend Studio for Eclipse**
 - Maximum efficiency with Code Assist, Code galleries, ZF support
 - Team coordination with VC support and to-do lists
 - Integrated support for PHPUnit tests for quality software
- **Zend Platform**
 - Scalability and Management
 - PHP monitoring integrated with Zend Studio for Eclipse for quick problem resolution

Q & A

- **For more information**

<http://www.zend.com/framework>

<http://www.zend.com/core>

<http://www.zend.com/platform>

<http://www.zend.com/studio>