

Zend Certification Webinar

By Beth Gomez



Introduction

- **Speaker : Beth Gomez**
 - Responsible for Training and Certification Programs at Zend since July 2007

Zend Certification

- **Zend created the exam to establish a measurable and recognizable standard of excellence in the technical knowledge and practical application of the PHP language**
- **It has become the most recognized and sought after PHP credential for PHP programmers around the world**

Agenda

- **Zend Certified Engineer – Background**
- **Steps to becoming a ZCE**
- **What to do once you are Certified**

Zend Certified Engineer Facts

- **Number of Zend Certified Engineers: ~ 3800**
- **Over 3700 are certified in PHP (PHP 4 and PHP 5)**
- **Zend Framework Exam was officially launched at ZendCon 2008**

Why become a ZCE?

- **Join an exclusive community**
 - The goal of the Zend Certification program is to allow PHP professionals to attain the "Zend Certified Engineer" designation
- **Employers look for qualified developers**
 - Advantage over competitors when looking for a new job; or at your annual salary review
 - Global recognition of your PHP skills
- **Other Bonuses**
 - Discounts on Zend PHP conferences
 - Download the [ZCE Logo](#) and add it to your resume
 - Join the Linked In group for ZCE's

What does certification really mean?

- **A Certification exam measures specific skills, knowledge and competencies from a well-defined domain of content**
- **The skills and knowledge certified by the examination represent a professional level of expertise for a certified individual**
- **Certification exams establish an industry-wide standard that recognizes expertise in a specific domain of content**
- **Through the ZCE, Zend sets the industry standard for PHP and Zend Framework Developers**

Advisory Boards

- **Each exam was built and structured with a technical advisory board made up of Subject Matter Expert selected from the PHP and Zend Framework communities.**
- **The Zend Education Advisory Board's establish the curriculum criteria necessary to demonstrate expertise in PHP and Zend Framework. They came up with the topic areas and subtopics that are covered on the exam as well as the items you find on the exams.**

PHP 5 - Education Advisory Board



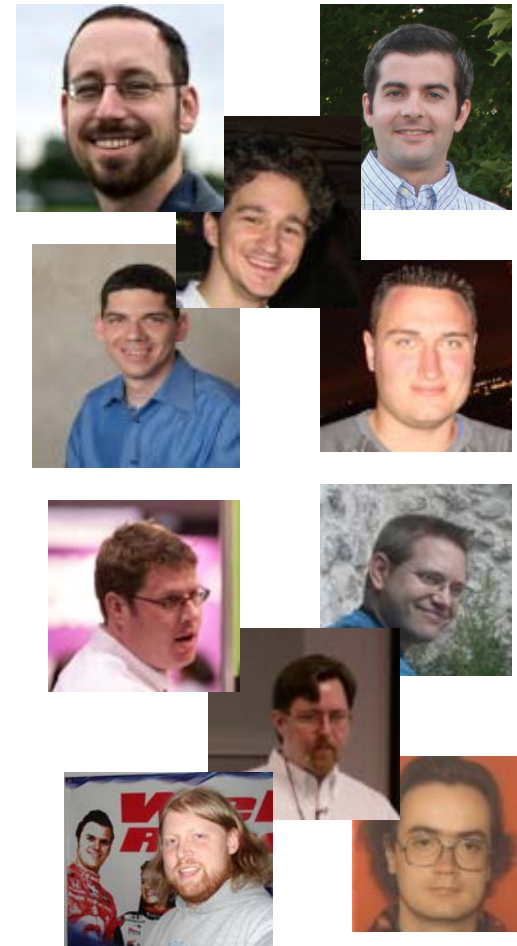
- **Ilia Alshanetsky**
- **Marcus Boerger**
- **Andi Gutmans**
- **Martin Jansen**
- **Mike Naberezny**
- **Tobias Schlitt**
- **Damien Seguy**
- **Chris Shiflett**
- **Zeev Suraski**
- **Marco Tabini**
- **Matthew Weier O'Phinney**
- **Christian Wenz**

<http://www.zend.com/en/services/certification/php-5-certification/>

Zend Framework - Education Advisory Board



- **Rob Allen**
- **Nico Edtinger**
- **Darby Felton**
- **Andi Gutmans**
- **Ralph Schindler**
- **Wil Sinclair**
- **Thomas Weidner**
- **Matthew Weier O'Phinney**
- **Jon Whitcraft**
- **Alexander Veremyev**



<http://www.zend.com/en/services/certification/framework/>

Steps to Becoming a ZCE

- **Study for the exam**
 - What is on the exam?
 - How to get help studying
- **Taking the exam**
 - Schedule the exam
 - Sit for the exam
- **Now You are a ZCE**
 - Certificate
 - Use of the logo
 - Participate in the community

Zend Framework Exam Topics

- **MVC**
 - Components, Pattern Basics, Bootstrap, Zend_Controller, Zend_Layout
- **Forms**
 - Zend_Form, Validation/Filtering, Decorators, Elements, Forms, Display Groups & Sub Forms, Configuration, Internationalization
- **Database**
 - Zend_Db, Zend_Db_Statement, Zend_Db_Table, Zend_Db_Profiler, Zend_Db_Select, Table Data Gateway Pattern, Row Data Gateway Pattern
- **Infrastructure**
 - Zend_Config, Zend_Session, Zend_Registry, Zend_Loader

Zend Framework Exam Topics, cont.

- **Search**
 - Zend_Search_Lucene, Indexing, Querying, Performance
- **Mail**
 - Constructing, Storage, Message retrieval, Storage providers, Message sending
- **Internationalization**
 - Zend_Date, Zend_Translate, Zend_Locale, Zend_Currency, Zend_View_Helper_Translate, Internationalization Performance
- **Security**
 - Cross Site Request Forgery, Secure Authentication, Escaping for output, Cross Site Scripting, Security Best Practices
- **Coding Standards**
 - Coding conventions, Zend_Loader

Zend Framework Exam Topics, cont.

- **Authentication and Access**
 - Zend_Acl, Zend_Auth, Zend_Auth Adapters
- **Filtering and Validation**
 - Filtering Chains, Custom Filters, Standard Validation Classes, Validator Chains, Custom Validators
- **Web Services**
 - XML-RPC Client, XML-RPC Server, REST Client, REST Server, Zend_Service, Web Services
- **Performance**
 - Zend_Cache, Script inclusion, Optimization, Zend_Memory
- **Diagnosis and Maintainability**
 - Zend_Debug, Zend_Log

PHP 5 Exam Topics

- **PHP Basics**
 - Embedding PHP; Variables; Constants; Data Types; Strings; Type Conversions; Operators; Conditions; Loops
- **Functions**
 - Declaring Functions; Function Parameters; References; Scope; Variable Functions
- **Arrays: Creating, Filling, Splitting**
 - Adding & Removing Elements; Looping; Checking for Values; Sorting; Comparing; Merging
- **PHP and OOP**
 - Classes; Properties; Methods; Objects; Static Properties Methods; Inheritance; Abstract Classes; Interfaces; Autoloading; Reflection

PHP 5 Exam Topics, cont.

- **Strings and RegEx**
 - Substrings; Comparing & Counting Strings; Phonetic Functions; Strings and Arrays; Formatted Output; RegEx Essentials
- **PHP 4/5 Differences**
 - Object-Oriented Programming; Other Areas
- **Design and Theory**
 - Design Patterns: Active Record, Factory, Iterator, MVC, Proxy, Singleton
- **Files, Networks**
 - Resources; Output Files; R/W; File Operations; Wrappers; Streams

PHP 5 Exam Topics, cont.

- **Web Features**
 - HTTP POST & GET; Accessing Form Data; File Uploads; Cookies
- **XML and Web Services**
 - XML; SOAP; WSDL; Create & Consume a Web Service; Debugging
- **Databases**
 - Keys; SQL; Sorting, Grouping, Joins
- **Security**
 - Rules; XSS; CSRF; Injections; Sessions; Secure Configurations; Uploads

Types of Questions

- **Multiple Choice**
 - One answer is correct
 - Multiple Answers are correct
- **Free Text**

Multiple Choice Sample Question # 1

Zend_Acl supports _____ inheritance among Resource objects.

a. cyclic

b. multiple

c. no

★ d. single

Multiple Choice Sample Question # 2

Which formatters are provided with Zend_Log? (choose two)?

- a. `Zend_Log_Formatter_Db`
- ★ b. `Zend_Log_Formatter_Simple`
- c. `Zend_Log_Formatter_Text`
- ★ d. `Zend_Log_Formatter_Xml`

Free Text Sample Question

The filename "Zend/Db/Table.php" must map to the class name _____.

★ Zend_Db_Table

Study Aides and Resources – Zend Framework

- **Study Guide**
 - Free downloadable PDF
- **Zend Online Zend Framework Certification Training Course**
 - Test Preparation Course – Does not teach Zend Framework
 - Strategies for answering the exam questions
 - In-depth review of the 14 topic areas
 - Includes two sample exams and a final comprehensive exam, in addition to quizzes throughout.

Study Aides and Resources – PHP 5 Exam

- **PHP 5 Certification Study Guide**
 - Available as a book or a PDF
- **Mock Exams**
 - Available as single exam or 5 or 10 packs
 - Online, convenient
 - No time limit
- **Zend Online PHP 5 Certification Training Course**
 - Test Preparation Course – Does not teach PHP
 - Strategies for answering the exam questions
 - In-depth review of the 12 topic areas
 - Final comprehensive sample exam at the end of the course

Get Certified Before the End of the Year!

- **Test Prep: PHP 5 Certification (English)**
 - December 1, 2, 3, 4, 5, 8, 9, 10 & 11 from 1pm - 3pm PST
- **Test Prep: Zend Framework Certification (German)**
 - November 24, 25, 27, 28, December 1, 2, 4 and 5 from 6am-8am PST (3pm-5pm CET)
- **Questions? Email: itraining@zend.com**
- **<http://www.zend.com/en/store/php-certification/>**

Registering for & Taking the Exam

- Exams are administered at a Pearson VUE training centers (<http://vue.com/zend/>)
- Register for the exam via phone, internet or at a testing center
 - May differ by country; please check online
- Bring two IDs, one must have your photo (and both must have your signature)
- You will receive “scratch” paper or an eraseable board for calculations at the time you take the test
 - You are not permitted to bring any materials into the room with you

The Testing Software

- **You can mark questions for review**
 - Be sure to check whether there are any questions marked for review before you submit your test
- **You can mark questions for comment**
 - If there is something you would like the committee to know about a particular question, please use the Comment option to communicate back with Zend
- **You can easily navigate back to questions you have marked, but not the others, so remember this feature**
- **Submit the exam and get your results**

After passing Take advantage of your ZCE status

- Download the  or  and put it on your business cards and resume
- Take advantage of the **LinkedIn** Group that allows you to display the ZCE logo on your listing for better visibility to potential employers
- Update your  listing so employers can verify you are a ZCE
- Keep your score report so that employers can also verify your status as a ZCE from Pearson Vue

Questions?



Thank you

For more information visit:
zend.com/en/services/certification/

or

contact us directly at: certification@zend.com

