

# Zend PHP 5 Certification Webinar

By Beth Gomez



# Agenda

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

# Introduction

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

# Zend Certified Engineer Facts

- **Number of Zend Certified Engineers: ~ 3000**
- **100% are either satisfied or extremely satisfied with their overall experience with the Zend PHP Certification Exam**
- **98% will recommend Zend PHP Certification to others**
- **77% have already recommended Zend PHP Certification to others**

# Why become a ZCE?

- **Join an exclusive community**
  - The goal of the Zend PHP Certification program to set a professional and global standard for PHP programming skills
- **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 Developers**

# The Certification Exam

- **The exam was built and structured with a technical advisory board made up of 12 Subject Matter Experts selected from the PHP community at-large spanning three continents.**
- **Here are the 12 Subject Matter Experts (SME) that are members of the Education Advisory Board**

# Education Advisory Board Members



- **Ilya 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**

**Complete Bios:** [zend.com/en/services/certification/education-advisory-board](http://zend.com/en/services/certification/education-advisory-board)

# 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

# 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

# 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

# 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

# Multiple Choice Sample Question # 1

- **What is the difference between echo() and print()?**

**B) echo () cannot be part of an expression, print () can**

# Multiple Choice Sample Question # 2

- Which of the following ways to embed PHP code works regardless of the configuration?

A) `<?php`

E) `<script language="php">`

# Free Text Sample Question

- What is the output of the following code?

```
1  <?php
2  $x = "08"; $y = 08;   $z = " 47";
3  $x += 15;  $y += "15"; $z += 11;
4  echo $x;
5  echo $y;
6  echo $z;
7  ?>
```

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# Study Aides and Resources

- **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

# Registering for & Taking the Exam

- **Exam administered at a Pearson VUE training center (<http://www.pearsonvue.com/>)**
- **Register for the exam via telephone or email**
  - 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  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/](https://zend.com/en/services/certification/)

or

contact us directly at: [certification@zend.com](mailto:certification@zend.com)