PHP Zend Certified Engineer, preparation for certification

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MR-111 **3 Days (21 Hours)**

Description

This course will provide you with all the information you need to pass the PHP certification exam. This is a PHP review-based preparation test and not a PHP course. The main concepts of the language will be illustrated by the implementation of examples for better assimilation.

Who is this training for ?

For whom

Developers.

Prerequisites

Aucune

Training objectives

- Get information about taking the Zend Certified Engineer exam Revise in depth the 12 subjects of the certification Acquire cognitive reflexes in relation to the certification procedure Implement the concepts covered through practical examples

Training program

Introduction

- PHP Certification: Why Certification? Exam Basics.
- Questions and Strategies.
- Certification Topics.

Bases de PHP

- Embedded PHP.
- Variables & Constants, scope.
- System variables.
- Data types and casting.
- Character strings.
- Operators: arithmetic, boolean, binary.
- Flow controls: conditions & loops.
- Iterators.
- Functions: declaration, parameters & references.

Tableaux

- Creating, filling, splitting.
- Adding and removing elements.
- Looping.
- Checking values.
- Comparisons.
- Sort, custom sort.
- Merge

PHP et POO

- Classes, properties, methods, instance.
- Constants.
- Static properties and methods.
- Inheritance.
- Propagation.
- Interfaces and abstract classes.
- SPL.
- Autoloading.
- Reflection.

Manipulations avancées

- Extracting strings.
- Compare and count strings.
- Phonetic functions.
- Strings and arrays.
- Formatted output.
- Regular expressions.
- PHP differences 4/5.

Conception et théorie

- Design patterns: active record, factory, iterator, MVC, Proxy, Singleton.
- Files, streams, networks: resources and output files.
- Reading /writing, file operations, wrappers, feeds.
- Web features: HTTP POST & GET, access data, file uploads, cookies.
- XML and Web Services: XML , SOAP, WSDL; create and use a Web Service, debugging.

Bases de données

- DBMS theory.
- Typing, dimension and field constraints.
- Indexes and foreign keys.
- SQL: DDL,DML and DQL.
- Sorting: order and direction.
- Grouping.
- Joins (left and right).

Sécurité

- Defense in depth and best practices.
- XSS: understanding Cross Site Scripting.
- CSRF: principles and counting of attacks.
- Remote file injections (RFI).
- Remote execution.
- Sessions: session theft and corruption.
- Security configuration.
- Uploads: errors, sizes and mime checks.