

## PHP II: Higher Structures (PHPII)

Days of Training: 3

### Overview

The Zend PHP II: Higher Structures course is designed to expand a beginning programmer's understanding of the PHP language. This intermediate-level course builds upon knowledge gained in PHP I: Foundations. It utilizes a hands-on approach with numerous examples and practical exercises, as well as a key development project, to enhance learning. You will also have the opportunity to use the Zend Studio IDE (Integrated Development Environment) to continue honing your coding skills utilizing best practices and effective tools.

### Audience

This course continues where PHP I: Foundations leaves off, and is designed for novice PHP developers who want to further advance their skills in the PHP language and already know the basics of PHP syntax, language constructs, and web site functionality. Experienced programmers in Procedural and OO languages should refer to the Quick Start: PHP for Experienced Programmers course description.

### Pre-requisite(s)

PHP I: Foundations, or PHP I: Foundations (IBM i/OS Programmers), or equivalent knowledge

### Price

SG\$2,400 before GST

### Objectives

To learn the essentials for creating web-based PHP applications

### Course Note:

This course assumes a thorough grounding in the language and syntax of PHP and does not fully review those topics. It also assumes that students who completed the Foundations course have practiced applying the skills they learned before attempting this next level.

### Topics Include

PHP Language Concepts: Scope, Globals, working with Files, Advanced Variable Usage / Array Manipulation and References

Configuring PHP: PHP.INI configuration considerations

Regular Expressions: Using Perl-Compatible Regular Expressions in PHP applications

PHP and OOP Concepts: Principles of Object Oriented Programming and Design, Access Modifiers, Abstract Classes, Interfaces, Namespaces and more

Building Applications: Debugging, Security and Validation

PHP Web Fundamentals: Server Communication, Sessions & Cookies, Working with Forms and Form Validation, Email, HTTP Headers, Buffers & Caches

PHP Database Basics: Introduction to manipulating database contents using PHP; PDO

PHP Application Essentials: Best Approaches to Creating Applications; Course project

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