

## Zend Framework: Advanced Concepts (ZFA)

Days of Training: 3

### Overview

The Zend Framework: Advanced Concepts course is designed to take PHP developers already working with Zend Framework to the next level by teaching them how to apply best practices when configuring and building applications for scalability, interactivity, and high performance.

- Learn how modularizing the MVC structure can increase efficiency in coding and facilitate team development when using Zend Framework (ZF)
- Produce Rich Internet Applications based on ZF that can incorporate valuable resources from other languages, such as support for the Dojo Toolkit
- Design applications that improve your user's experience, both by providing an enhanced GUI presentation (reflecting ZF's internationalization and navigation components), and by providing faster-performing applications (utilizing ZF's caching, queuing, and Search Lucene components)

The course utilizes a hands-on approach with numerous examples and practical exercises, as well as a key development project, to enhance learning.

### Audience

Intermediate to advanced PHP developer who has used Zend Framework to complete at least 1 major web application.

### Pre-requisite(s)

Participants must be proficient in: Object-Oriented Programming, Model-View\_Controller design pattern.

Participants must be comfortable creating: Basic web applications based on Zend Framework, Simple web forms, simple database interactions.

Participants must be familiar with: Web Services, Client - Server interaction, Session Management, Authentication and Access Control Mechanisms, Plus all the other topics presented in the Zend Framework Fundamentals course

### Price

SG\$2,400 before GST

### Objectives

Upon completing the course, active PHP developers should be equipped to apply best practices when building and configuring applications for scalability, interactivity, and high performance.

### Course Note

There are some broad topics included within the scope of this course, such as Rich Internet

Applications. Participants should note, however that these topics are discussed in terms of the related Zend Framework components and PHP, and therefore will not be covered in every aspect.

### Topics Include

**Review and Expansion of Core Concepts:** MVC design pattern, Zend\_Db, Zend\_Form, plug-ins

**Development and Testing:** Zend\_Application, Zend\_Tool, Zend\_Test

**Rich Internet Applications:** Zend\_Dojo, Zend\_Soap\_Server

**Interactive Systems:** Zend\_Mail, Zend\_Feed, Internationalization, Zend\_Pdf, Zend\_Search\_Lucene

**Scalable, Flexible, and High Performance Systems:** Zend\_Cache, MVC Modules, Zend\_Navigation, Zend\_Queue

MSM6427-ILT