

PHP MySQL – Advanced

Description

Mastering the PHP and MySQL combination has become essential for developers aiming to design robust web applications. This PHP MySQL training is intended for professionals who want to go further and take full advantage of the possibilities offered by these technologies. It covers in depth object-oriented programming, security, database optimization, and the integration of external libraries.

An advanced learning path to enhance your skills

This PHP MySQL training goes beyond simple coding. It also provides a comprehensive approach to software architecture, modularity, and advanced database management. Participants will learn how to handle sessions, cookies, and complex SQL queries. They will also discover how to leverage PEAR modules, work with XML, and generate PDF files or graphics using GD.

Course Content

Module 1: Basic Object-Oriented PHP

- OOP concepts in detail
- Typing properties and methods and their visibility

Module 2: Advanced PHP OOP

- Encapsulation
- Inheritance
- Method overriding
- Blocking inheritance

Module 3: PHP Forms

- Form handling
- Interactive PHP forms
- Form validation
- PHP form sanitization

Module 4: PHP Query String, Cookies, and Sessions

- Creating a Query String
- PHP cookie management
- PHP session management
- PHP login session
- Assignment login/logout system
- Request form and sending mail via PHP script
- Files and directories
- Working with files and directories

Module 5: MySQL Joins and SQL Functions

- Creating an index
- MySQL INNER Join
- MySQL LEFT Join
- MySQL RIGHT Join
- Complex SQL queries

Module 6: PEAR

- Installing and working with PEAR packages

Module 7: Date and Time

- Working with date and time functions

Module 8: GD and PDF Library

- Working with GD and PDF Library

Module 9: Reg Exp

- String matching with regular expressions

Module 10: XML

- Working with PHP + XML

Module 11: HTTP Handling

- HTTP headers
- Page redirection
- File download

Module 12: PDO

- Connecting to a database with PHP Data Object

Module 13: Smarty

- Smarty installation
- Working with Smarty variables and objects
- Creating Smarty templates

Lab / Exercises

- During the course participants are encouraged to actively participate in the learning experience by running example files during lectures and performing coding challenges during labs
- Each lab session allows you to compare your solution to the instructor's

Documentation

- Digital courseware included

Participant profiles

- Experienced developers who need to use PHP at a professional level

Prerequisites

- Having followed or have knowledge covered by: [PHP MySQL - Fundamentals](#), [HTML Professional](#), [Introduction to SQL Database](#)

Objectives

- Use advanced PHP techniques
- Create a modularized and well-documented web site
- Use advanced database concepts
- Use PHP Security techniques
- Develop object-oriented PHP applications
- Do networking with PHP
- Take advantage of PEAR modules
- Work with XML in PHP

Description

PHP MySQL - Advanced Training

Niveau

Avancé

Classroom Registration Price (CHF)

3800

Virtual Classroom Registration Price (CHF)

3550

Duration (in Days)

5

Reference

PHP-02