



HP TRAINING

Zend Php Certification Training Course

Achieve Zend PHP Certification and master advanced PHP development techniques for robust web applications.

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

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- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

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COURSE OVERVIEW

The Zend PHP Certification Training Course, offered by Computer Pride, is meticulously designed for intermediate PHP developers aspiring to validate and elevate their expertise to an internationally recognized professional standard. This comprehensive program delves deep into the core facets of PHP development, covering everything from advanced language syntax and Object-Oriented Programming (OOP) principles to robust database interaction and critical web security practices. Participants will gain a profound understanding of building high-performance, scalable, and maintainable web applications.

This certification focuses on practical, real-world application of PHP, equipping learners with the problem-solving skills necessary to tackle complex development challenges. You will master critical aspects such as handling web requests, managing sessions and cookies, implementing secure input validation, and effectively utilizing PHP's powerful error and exception handling mechanisms. The course also emphasizes best practices for code quality, performance optimization, and adherence to industry standards, preparing you for senior development roles.

Achieving the Zend PHP Certification not only signifies your proven competence in PHP to employers worldwide but also unlocks significant career growth opportunities. It positions you as an expert, capable of leading projects, mentoring junior developers, and contributing to the architectural design of sophisticated web solutions, ultimately enhancing your earning potential and professional reputation within the competitive IT landscape.

Level	Intermediate
Vendor	HP

COURSE CURRICULUM

01 Module 1: PHP Language Fundamentals & Environment

- PHP Environment Setup (CLI & Web Server)
- Basic Language Syntax, Variables, and Data Types
- Operators and Expressions
- Control Structures (Conditional Statements, Loops)
- Functions (User-Defined, Anonymous, Arrow Functions)
- Arrays and String Manipulation

02 Module 2: Object-Oriented Programming (OOP) in PHP

- Classes, Objects, Properties, and Methods
- Constructors and Destructors
- Inheritance, Polymorphism, and Encapsulation
- Interfaces and Abstract Classes
- Traits and Namespaces
- Autoloading Classes and Dependency Management

03 Module 3: Web Application Development & Data Handling

- Handling HTTP Requests and Responses
- Working with Forms and Input Validation
- Managing Sessions and Cookies
- File System Operations and Uploads
- Regular Expressions
- Error Handling and Exception Management

04 Module 4: Database Connectivity and Persistence

- Introduction to Relational Databases (e.g., MySQL, PostgreSQL)
- Connecting to Databases using PDO (PHP Data Objects)
- Performing CRUD Operations (Create, Read, Update, Delete)
- Prepared Statements for Security and Performance
- Transactions and Concurrency Control
- Database Error Handling

05 Module 5: Security, Performance, and Best Practices

- Common Web Security Vulnerabilities (XSS, CSRF, SQL Injection)
- Authentication and Authorization Techniques
- Password Hashing and Secure Storage
- Input Filtering and Output Escaping
- Performance Optimization Techniques (Caching, Profiling)
- PHP Coding Standards (PSR) and Best Practices

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Certified Senior PHP Developer**
- > **Backend Web Application Architect**
- > **Lead PHP Systems Engineer**

FREQUENTLY ASKED QUESTIONS

Q: What prior PHP experience or knowledge is recommended before enrolling in this Zend PHP Certification Training Course?

This course is designed for intermediate PHP developers. We recommend participants have at least 1-2 years of hands-on experience with PHP, a solid grasp of fundamental programming concepts, and familiarity with basic web development technologies like HTML, CSS, and JavaScript. Knowledge of basic SQL queries will also be highly beneficial for the database modules.

Q: How does this certification prepare me to build secure and scalable PHP applications, and what specific security topics are covered?

The Zend PHP Certification places a strong emphasis on building secure and scalable applications. You will learn to identify and mitigate common web vulnerabilities such as SQL injection, Cross-Site Scripting (XSS), and Cross-Site Request Forgery (CSRF). Specific security topics include secure input validation, output escaping, proper use of prepared statements, robust password hashing techniques, session hijacking prevention, and implementing secure authentication and authorization systems. The course also covers performance optimization strategies like caching and efficient database interactions to ensure scalability.

Q: How will obtaining the Zend PHP Certification enhance my value to potential employers compared to a developer without formal certification?

Obtaining the Zend PHP Certification significantly enhances your professional credibility and marketability. It serves as an

industry-recognized validation of your expert-level PHP skills, demonstrating to employers that you possess a comprehensive understanding of best practices, security, and advanced concepts. This often translates to increased trust, eligibility for more senior and complex projects, higher earning potential, and a competitive edge in job applications, positioning you as a reliable and proficient PHP expert ready to contribute meaningfully from day one.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

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