



HP TRAINING

Laminas Php Framework

*Master the Laminas PHP Framework to build scalable, high-performance web applications.
Accelerate your professional PHP development skills.*

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The Laminas PHP Framework course at Computer Pride offers a comprehensive journey into building robust, scalable, and secure web applications using the enterprise-grade Laminas framework. Derived from the highly successful Zend Framework, Laminas empowers developers to construct high-performance applications leveraging modern PHP features, object-oriented programming principles, and design patterns. This intermediate-level training dives deep into the framework's modular architecture, allowing participants to master advanced concepts such as dependency injection, event-driven programming, and powerful database integrations.

Level	Intermediate
Vendor	HP

COURSE CURRICULUM

01 Module 1: Introduction to Laminas and Setup

- Understanding the Laminas Ecosystem (Laminas MVC, Laminas API Tools, Laminas Mezzio)
- Comparing Laminas to other PHP frameworks (Symfony, Laravel)
- Installation and project setup with Composer
- Configuring development environments (Apache/Nginx, PHP-FPM)
- Basic application structure and directory layout

02 Module 2: Core MVC Principles in Laminas

- Routing: Defining routes, parameters, and constraints
- Controllers: Action methods, request/response objects
- Views: View scripts, view helpers, layouts, and partials
- Module System: Creating and configuring custom modules
- Dependency Injection and the Service Manager

03 Module 3: Database Interaction and Forms

- Laminas Db: Adapters, TableGateway, and SQL abstraction
- ORM integration (Doctrine ORM basics with Laminas)
- Creating and processing forms with Laminas Form
- Input filtering and validation strategies
- CSRF protection and security considerations for forms

04 Module 4: Advanced Features and Middleware

- Event Manager: Implementing custom events and listeners
- Middleware: Understanding PSR-7 and PSR-15
- Building and integrating custom middleware components
- Authentication and Authorization using Laminas Authentication and ACL
- Internationalization (i18n) and Localization (l10n)

05 Module 5: Building RESTful APIs and Testing

- Designing and implementing RESTful APIs with Laminas Mezzio or Laminas API Tools
- Handling JSON/XML requests and responses
- API versioning and security (OAuth2, JWT)
- Unit testing with PHPUnit for Laminas applications
- Integration testing strategies

06 Module 6: Deployment and Best Practices

- Optimizing Laminas applications for performance
- Error handling and logging
- Deployment strategies for production environments
- Containerization with Docker for Laminas applications
- Adhering to PSR standards and code quality practices

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior PHP Backend Developer**
- > **Enterprise Web Application Architect**
- > **Laminas Framework Specialist**

FREQUENTLY ASKED QUESTIONS

Q: What are the essential prerequisites for enrolling in the Laminas PHP Framework course?

To get the most out of this intermediate-level Laminas PHP Framework course, participants should have a solid understanding of object-oriented PHP programming, including classes, objects, inheritance, and interfaces. Familiarity with basic web development concepts (HTML, CSS, JavaScript) and a working knowledge of SQL databases are also crucial. Prior experience with another MVC framework would be beneficial but is not strictly required.

Q: How does mastering the Laminas framework enhance my career opportunities compared to other PHP frameworks?

Mastering Laminas positions you as a highly capable developer for enterprise-level projects, an area where Laminas excels due to its robust architecture, modularity, and adherence to industry standards. Unlike many other frameworks, Laminas provides a more component-driven approach, making it ideal for building complex, scalable applications and microservices. This specialization can open doors to roles in larger organizations, financial institutions, or any environment demanding high performance, security, and maintainability, often leading to more senior or architect-level positions.

Q: What kind of real-world applications will I be capable of building after completing this Laminas PHP Framework course?

Upon successful completion of this course, you will possess the skills to develop a wide range of sophisticated web applications. This includes multi-module corporate portals, e-commerce platforms with intricate business logic, scalable RESTful APIs for mobile and front-end applications, secure internal management systems, and high-performance data-driven applications. You'll be equipped to contribute to or lead projects requiring robust, maintainable, and enterprise-grade PHP solutions.

ABOUT COMPUTER PRIDE



computerpride

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.

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