Laminas Framework Programming

Audience Laminas Framework Programming Course
Experienced PHP developers who want to learn the capabilities of the Laminas Framework.

Prerequisites Course Laminas Framework Programming
Extensive knowledge and experience with PHP development including object oriented programming is required.

Realization Training Laminas Framework Programming
The concepts are treated on the basis of presentation slides and demos. The theory is interspersed with exercises. A modern PHP IDE is used for the demos and exercises. The focus is on the newest version of the Laminas Framework.
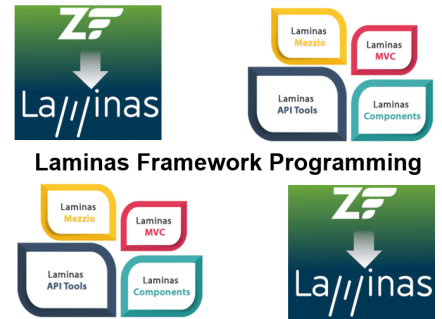
Certification Course Laminas Framework Programming
After successful completion of the course participants receive an official certificate PHP Laminas Framework Programming.

Duration: 4 days   **Price: € 2650**

Open Schedule

Laminas Framework Programming

Content Course Laminas Framework Programming

The course Laminas Framework Programming covers this open source PHP class library which focusses on simplifying complex PHP applications through the use of standard components.

Laminas Framework Architecture
The course starts with an overview of the development of PHP applications based on the Laminas Framework and discusses the architecture of the Laminas Framework. The focus is on the newest version of the Laminas Framework.

MVC Pattern
The next subject is the Model View Controller (MVC) design pattern that is a central element for PHP applications based on the Laminas Framework.

Controller Component
Attention is paid to the function of the Controller component for the routing of requests and the control flow. This will also include input validation, authentication, authorization and security best practices.

Model Component
Furthermore, the function of the Model component is discussed, with attention being paid to accessing databases, caching of data and sending mail.

View Component
Also the function of the View component is discussed and this includes the addressing of Rich User Interfaces and Ajax functionality.

Internationalization and Web Services
Finally the subjects internationalization and Web Services are on the course schedule.

Laminas Framework Certification Examen
The topics covered in the course are also the exam subjects for the Laminas Framework Certification exam. The course is not a direct exam preparation training, but a training to learn how to use the Laminas Framework in PHP Development.

Modules Course Laminas Framework Programming

Module 1 : Laminas Intro	Module 2 : Laminas MVC	Module 3 : Event Managers
What is Laminas Project?	Design Patterns	Events
Key Features	MVC Elements and Implementation	Event Types
Laminas Architecture	Event-Driven Architecture	Event Manager
Laminas and MVC	Key MVC Events	Trigger Events
Laminas Tool	Services in MVC	Available Methods
Namespaces	Front_Controller	Aggregates
Autoloading	Request Routing	Shared Event Listeners
Project Structure	Action Controllers	Identifiers
Front Controller	Modules	Shared Event Manager
Rewrite Module	Laminas_View	ModuleManager Events
Open Source Zend	Error Controller	Control Flow

Module 4 : MVC and Models	Module 5 : Controllers	Module 6 : Routing
Application Structure	Laminas_Controller Components	Routing Basics
Modules in MVC	Request Object	Router Types
Structure of a Module	Accessing a Request and Response	HTTP Route Types
Bootstrapping Modular Application	Request Handing Workflow	Base Url
MVC-related Module Configuration	Request Object Operations	Standard Router
LaminasModuleManager	Request Type Checkers	Using Rewrite Router
ModuleManager Listeners	Laminas_Controller_Front	Shipped Routes
Autoload Files for Modules	Dispatch Loop	Dispatcher
Module Classes	Front Controller Parameters	Using _forward
MVC 'bootstrap' Event	MVC Events and Controllers	Action Helpers
ModuleAutoloader	MVC-based Action Controllers	Plugins
Module Best Practices	Controller Plugins	View Scripts

Module 7 : View Layer	Module 8 : Forms and Validation	Module 9 : Database Access
Laminas View	InputFilter	Connecting to a Database
View Model	Laminas Input	Laminas_DB
Layouts	Filtering	Query Preparation
Response Strategies	Laminas Form	Query Execution
What are Layouts?	Validating Forms	Running an SQL Query
Typical Layout	Rendering Forms	Laminas Db Adapter
Two Step View Pattern	Creating Forms	Creating an Adapter
Laminas_Layout	Laminas_Form_Elements	Creating Statements
Changing Layouts	Base Classes	Laminas Db Sql
Partials	Plugins	Laminas Db TableGateway
Partials Parameters	Laminas Validator	Fetching Results
Partials and PartialLoop	Validators	CRUD Operations
Place Holders	Decorators	Retrieving MetaData
PartialLoop Model	Decorating Process	Prepared Statements
View Helpers	Sub Forms	Laminas_DB_Select

Module 10 : Laminas Services	Module 11 : Laminas Security	Module 12 : Laminas Components
Service Manager (SM)	Security Concerns	Components Laminas Project
Service Types	Authenticating with Laminas_Auth	Laminas Component Dependencies
Kinds of Web Services	Laminas_Auth Adapters	Laminas Core and Components
Laminas Soap Services	Authenticating Results	Why Laminas Components
Laminas_Soap Server	Database Table Authentication	Laminas_Paginator
Laminas_Soap Client	Laminas_Auth Adapter_DbTable	Laminas_Config_Ini
XML-RPC in Laminas	Basic and Digest Authentication	Laminas_Registry
JSON-RPC in Laminas	HTTP Authentication Adapter	Laminas_Pdf
REST in Laminas	Laminas_ACL	Laminas Mail
Laminas_Rest Server	Access Control Lists	Laminas_Log
Laminas_Rest Client	Roles and Resources	Laminas_Locale