

# PHP – Symfony

## Description

Symfony is today recognized as the most widely used PHP framework by companies to build reliable and scalable web applications. Through this dedicated PHP Symfony course, you will learn step by step how to create a modern e-commerce website. The approach is practical and project-oriented, ensuring that each concept studied can be immediately applied.

A Symfony course tailored for developers

This program has been designed for developers who want to improve their mastery of php server symfony and discover best practices related to the MVC architecture. You will be guided through the installation, configuration, and setup of a complete application, from routing to sessions, including Twig and Doctrine ORM.

## Course Content

### Module 1: Setting up your environment

- Symfony CLI
- Windows setup
- Checking your environment
- Example code

### Module 2: Installing Symfony

- Symfony dev server
- Symfony architecture
- Creating a controller
- YAML files
- Adding the route
- Using annotations

### Module 3: Twig Templating

- Installing Twig
- Creating a template
- Using the abstract controller
- Variables in Twig
- Twig Security
- Using Layouts

### Module 4: What are static assets?

- Serving static files
- Installing Node.js
- SASS pre-processing
- Installing Encore
- Compiling assets
- Enabling SASS

- Including our assets
- Adding some CSS

### **Module 5: Doctrine ORM**

- Local database setup
- Database management
- Configuring the database
- Creating a product entity
- Generating the schema
- Importing sample data
- Listing the products
- Product listing template
- Viewing our product list
- Doctrine documentation

### **Module 6: Routing options**

- Product details page
- Product details template
- Handling not found errors
- Customising the error page

### **Module 7: Email and transport layers**

- Installing the email practice
- Configuring the email service
- Sending an email confirmation
- Email template
- Testing the email confirmation

### **Lab / Exercises**

- This course includes hands-on exercises designed to reinforce your knowledge and apply your skills in real-world professional scenarios.

### **Documentation**

- Digital courseware included

### **Participant profiles**

- Web developers looking to learn Symfony
- PHP programmers aiming to move to an MVC framework
- Integrators seeking to build professional applications

### **Prerequisites**

- A basic knowledge of PHP would be helpful

### **Objectives**

- Set up a Symfony development environment
- Install and structure a Symfony application
- Create and customize templates with Twig

- Manage static assets with SASS and Encore
- Use Doctrine ORM to handle data

**Description**

PHP Symfony Training

**Niveau**

Fondamental

**Classroom Registration Price (CHF)**

3800

**Virtual Classroom Registration Price (CHF)**

3550

**Duration (in Days)**

5

**Reference**

PHP-03