

## Mastering Symfony 7

**Duration** : 35 hours / 5 days

**Code** : SFMASTER

**Public** : Développer PHP

**Price**

2 490 € per person

**Prerequisites** : Mastery of PHP and completion of the “Advancing in Symfony” training course



Quality certification has been awarded for the following training category: training activities.

**Goals** : In just 5 days, the aim of this training course is to advance your understanding of the Symfony framework with advanced topics.

Starting with an existing Symfony 7 project, you will learn to master the advanced concepts of dependency injection in Symfony, and how to create an independent bundle. You'll also learn about advanced form and theme management, how to improve performance with Symfony caching and HTTP caching, how to fine-tune your data representation with the Serializer component, and advanced request modes with HttpClient.

### Teaching and technical methods

Our curriculum is designed according to the following principles:

- Distribution of learning time between 40% theory and 60% practice.
- Practical application through exercises.
- Regular exchanges with the trainer and participants.

**Teaching materials:** the trainer will share the course materials. For remote sessions, the training courses will be recorded and the videos will be available on a revision platform for one month.

**Teaching materials:** provision of all collaborative materials.

**Technology:** For distance learning courses, a Google Meet link is used to display the training material and support practical exercises. If you are a learner with a disability, we are here to help you identify the most suitable adjustments to the teaching methods and materials or the relevant human assistance. For more information, please contact **our disability advisor:** [laurent.vaquette@sensiolabs.com](mailto:laurent.vaquette@sensiolabs.com) / (+33) 1 86 65 72 25

**Assessment methods:** A multiple-choice test is conducted during and at the end of the training course.

This allows participants to validate their knowledge and revisit any points they have not fully understood.

A certificate of completion is issued to the learner.

A copy of the attendance sheet is sent to the sponsor.

## Teaching resources

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SensioLabs has designed a unique Symfony training experience combining classroom learning and e-learning. In addition to the training, access to the SensioLabs University Platform is provided for one month. This access allows participants to continue reviewing concepts, track their progress, and stay in touch with the trainer.

## Registration procedures

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Orders must be placed using the registration form on our website, by emailing Training [training@sensiolabs.com](mailto:training@sensiolabs.com) or by telephone. Registration will be finalised upon receipt of the signed quote and full payment or an agreement from an OPCO (joint commission for collective training) to cover the costs, before the start of the training course..

**Take a classroom-based or remote training course with Symfony-certified trainers and the SensioLabs University e-learning platform.**



A platform accessible at any time



Course materials that can be viewed and downloaded directly



Additional resources: exercises, videos, tests, etc.



Online chat with the trainer

# Course content

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## Day 1

### Setting up the training project

- Discovery of the support application
- Explaining the project - Setting up the training project

### Discovering the component MESSENGER

- Sending messages
- Creating and modifying middleware
- Error handling and retries

## Day 2

### Advanced serialization management

- Metadata and context in Serializer
- Circular reference management
- Name converters

## Day 3

### Complex requests with HttpClient

- HTTP client decorators
- Multiplexing HTTP requests
- Interoperability of the HttpClient component

### Caching strategies

- Setting up HTTP caches with Symfony
- Using the Symfony Cache component

## Day 4

### Advanced forms

- Form events
- DataTransformers and DataMappers
- Creating a form extension
- Creating and managing form themes

## Day 5

### Advanced dependency injection

- Service Configurators and Factories
- Service Locators and Service Subscribers
- Abstract services
- Non-shared, synthetic, anonymous and Lazy services

### External bundle creation

- Configuration validation
- Container extension
- Compiler pass
- Named alias generation