

Getting Started with Symfony 7

Duration : 21 hours / 3 days

Code : SF7START

Public : PHP Développeur

Prérequis : Good knowledge of PHP and
Object Oriented Programming

Price

1 590 € per person



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

Goals : In just 3 days, the objective of this training is to introduce you to the Symfony 7 framework for creating your website. You will create a new Symfony 7 from scratch project, where you will discover the structured organization of its directories / files, to which you will apply an MVC pattern. You will also learn how to build your first web pages with the Twig rendering engine and the Webpack Encore asset manager. All this, along with Symfony forms and object persistence via Doctrine. Finally, our trainers will focus on official good practices and tips from Symfony.

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 / 01 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

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

Orders must be placed using the registration form on our website, by emailing Training 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

DAY 1

PHP reminders for Symfony

OOP with PHP

- Object-oriented programming in PHP – A refresher on the basics
- Classes, interfaces, and inheritance in PHP
- Relationships between classes
- Error handling

DAY 2

Introduction to Symfony

- Overview of the Symfony project, including its licence, versions and release schedule
- Working environment and dedicated 'symfony' command line tool
- Creating a Symfony project
- Debugging Symfony: the Profiler and Toolbar

Creating static pages

- How to manage the HTTP request-response flow
- Creating your first web page
- Routing in Symfony and creating static routes, controlling HTTP methods
- Best practices for your controllers and their capabilities
- Basic syntax and inheritance in Twig

Managing your data with Doctrine

- Create and apply migrations to manage the state of your database
- Establish and manage relationships between two entities
- Store records in the database using a controller or a Doctrine fixture as part of automated testing.
- Retrieve records from the database using standard queries or Introduction to automated testing and functional testing

Day 3

Enhance your pages

- Additional routing: routing parameters, requirements, and default values
- Transmit and display variables in a Twig template
- Additional Twig syntax: control structures
- Functions and filters in Twig

Manage your resources with AssetMapper

- The AssetMapper component, introduction
- Add external CSS using AssetMapper


Managing user input

- Introduction to Symfony Form forms
- Creating your forms with custom configurations
- Extracting and managing data from your forms
- Setting up native constraints to validate user data

Introduction to security

- Understanding security in Symfony applications
- Setting up simple authentication via a login form

Online revision platform



Daily test

Question 1 / 20

Started 22 days ago

VCS Files

Symfony > Components > Finder

By default, the Finder ignores popular VCS files, what is the method to use them ?

Choices

- ☐ `$finder->ignoreVCS(false);`
- ☐ `$finder->enableVCS();`
- ☐ `$finder->ignoreFiles(array('vcs' => false));`
- ☐ `$finder->enableVCSFiles();`
- ☐ `$finder->useTypes(array('vcs' => true));`

Submit answer

DAILY TESTS

- Test yourself once a day with a 20-question multiple-choice quiz.
- Find a database of over 1,200 questions on PHP, object-oriented programming, Doctrine, Twig, and more.



SKILLS MATRIX

- Track your level on each Symfony theme and component.
- Find the results of your skills on each test in matrix form.
- Visualise the areas in which you still need to improve.