



Getting Started with Symfony2

Duration: 2 day – 14 hours

Price: 1 290 € /person

Code: SF2C1

GOALS

Take the Symfony2 PHP framework into your hands and discover Symfony2 basics and features like MVC implementation, forms processing and database handling...

PRE-REQUISITES: Good knowledge of PHP and Object Oriented Programming **PUBLIC:** Developers, projects managers, technical directors

FULL PROGRAM

OBJECT ORIENTED PROGRAMMING

- Classes vs objects
- Constructor / destructor
- Properties and methods
- Inheritance
- Visibility
- Exceptions
- Namespaces

EXPLORING SYMFONY2

- General introduction to the framework and its integrated tools
- Sandbox installation
- Symfony2 project architecture (application, bundles, libraries)
- Processing an HTTP request with Symfony2
- Understanding environment principle
- Coding conventions

DEBUGGING THE CODE

- The web debug toolbar
- Recorded logs
- Profiler
- Exception traces

CONFIGURING THE APPLICATION

- Configuring the application
- Comparing supported formats: XML, YAML and PHP
- Application global configuration
- URIs global configuration
- Overriding global configuration at the bundle level

GENERATING PAGES FOR THE END USER

- Twig template engine syntax
- Templates
- Twig versus PHP
- Templates inheritance
- Templates inclusion
- Actions inclusion
- Defining and including slots
- Generating URIs thanks to view helpers

CREATING ACTIONS AND ANALYZING THE END USER'S REQUEST

- Defining a Controller class and its action methods
- Mapping controllers with the routing system
- Generating a raw response or a response based on a template
- Reading data from the user's request (\$_GET / \$_POST / \$_COOKIE)
- Reading and writing data in the user's session
- Reading and writing a cookie
- Multiple configuration thanks to file inclusion and overriding
- Triggering a 404 error page
- Redirecting the end user to another page

INTERACTING WITH A RELATIONAL DATABASE

- Introduction to PDO (DSN, prepared statements, transactions...)
- Getting a SQLite or MySQL connection
- Executing a SQL query on the database
- Securing SQL queries with a transaction and prepared statements
- Factoring the business logic into model classes

INTERACTING WITH THE END USER WITH FORMS

- Discovering the form framework
- Creating and processing basic forms
- Applying validation rules on your fields
- Prototyping form rendering with Twig
- Retrieving validated user's input