



Mastering Symfony2

Duration: 2 day – 14 hours

Price: 1 290 € /person

Code: SF2C2

GOALS

Master most of the best Symfony 2 features like MVC, forms processing, Twig template engine, security and HTTP caching with ESI...

PRE-REQUISITES: Good knowledge of PHP, Object Oriented Programming and Symfony 2 basics.

PUBLIC: Developers, projects managers, technical directors

FULL PROGRAM

MODEL, VIEW, CONTROLLER ARCHITECTURE

- Processing a HTTP request with Symfony2
- URLs configuration
- Mapping controllers with the routing system
- Creating controller classes and action methods
- Defining views with Twig templates
- Supporting output formats (html, json, xml, atom...)
- Using view helpers in templates
- Using templates inheritance to improve templates independence
- Defining and working with a data model

CONTRACTING A QUALITY INSURANCE WITH AUTOMATED TESTS

- Introduction to PHPUnit
- Installing the PHPUnit 3.5 unit testing framework
- Understanding the goals of unit testing the code
- Configuring a new unit test suite for PHPUnit
- Writing unit tests cases
- Executing the unit tests suite
- Generating and understanding the code coverage report
- Writing and executing functional tests

INTERACTING WITH THE USER AND FORMS

- Discovering the form framework
- Creating and processing basic forms
- Applying validation rules on each form fields
- Prototyping forms rendering with Twig
- Customizing forms rendering with Twig
- Creating upload forms
- Validating embedded forms
- Defining and working with a data model

RESTRICTING ACCESS TO 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

RESTRICTING ACCESS TO THE APPLICATION

- Configuring Apache for Symfony2
- Introduction to authentication and authorization principles
- Establishing an authentication with a web form
- Establishing an HTTP authentication
- Establishing a security policy with access control list
- Testing user's access rights

IMPROVING CLIENT SIDE PERFORMANCES WITH HTTP CACHE AND ESI

- Introduction to HTTP cache
- Comparing several caching solutions
- Modifying the response object before it's sent to the client
- Applying validation and expiration rules on pages
- Discovering and using Edge Side Includes (ESI)
- Installing et configuring the Symfony2 Reverse Proxy Cache

EXTENDING SYMFONY2 AND TWIG

- Configuring new Symfony2 services
- Installing new view helpers
- Extending Twig with macros, functions and filters
- Installing and activating third party bundles