

# Course : Selenium, functional test automation for Web applications

Getting to grips with the Selenium platform and associated test robots

*Practical course - 2d - 14h00 - Ref. SEL*

*Price : 1590 CHF E.T.*

★★★★☆ 3,9 / 5

Nouvelle édition

This course is essentially based on Selenium IDE for non-developers. At the end of the course, learners will be able to automate web application tests using Selenium IDE techniques.

## Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understanding the architecture of the Selenium open-source platform
- ✓ Learn how to use all Selenium's features
- ✓ Know how to implement an automation approach, in particular interface testing
- ✓ Create and export test scenarios in different programming languages
- ✓ Understand how to integrate tests into continuous integration tools

## Intended audience

Testers or developers wishing to learn about automation techniques, test project managers...

## Prerequisites

Good knowledge of software engineering and testing processes.

### PARTICIPANTS

Testers or developers wishing to learn about automation techniques, test project managers...

### PREREQUISITES

Good knowledge of software engineering and testing processes.

### TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

### ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

## Practical details

### Hands-on work

Increasingly difficult implementation of tools based on online Web applications.

### Teaching methods

Theoretical input and learning by example.

## Course schedule

### 1 Introduction to the Selenium platform

- A reminder of functional testing for Web applications.
- The Selenium project (history, roadmap).
- Architecture of the Selenium platform.
- Open Source test robots available.
- Access to Web page elements.

#### Hands-on work

Installation, discovery of the platform and functional tests. Exercise in accessing Web page elements.

### 2 Creating tests with the Selenium IDE robot

- Record test cases, build suites and replay on Firefox or Chrome.
- Use tools to launch test suites.
- Launch tests on other browsers via Selenium server.

#### Hands-on work

Record, modify and replay test cases and test suites. Produce test batches.

### 3 Creating automated tests with Katalon

- Katalon Studio a test automation suite.
- Katalon and Selenium.

#### Hands-on work

Explore and implement Katalon's basic functionality with Selenium.

### 4 Presentation of advanced concepts

- Demonstration of the WebDriver API in Java.
- Layer structuring and keyword creation (illustrations with Cucumber and Robot Framework).
- Launch tests via a continuous integration platform.
- Bridges to test managers (SQUASH TM, Testlink).
- Best practices and conclusions.

#### Demonstration

Exercise with Robot Framework.

## TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

## TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

## ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

## Dates and locations

### REMOTE CLASS

2026 : 16 Mar., 18 June, 28 Sep., 10 Dec.