

Course : SoapUI, webservice test automation

automate testing of your Rest and SOAP Web services

Practical course - 2d - 14h00 - Ref. RSO

Price : 1720 CHF E.T.



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At the end of the course, learners will be able to automate tests of applications integrating Web services with the SoapUI open source solution.



Teaching objectives

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

- ✓ Understanding SoapUI use cases
- ✓ Installing and configuring SoapUI
- ✓ Creating, configuring and managing a SoapUI project
- ✓ Run different types of web services tests (functional, performance...)

Intended audience

Developers, test and qualification teams, project managers...

Prerequisites

Theoretical knowledge of the uses and best practices of testing, as well as basic knowledge of XML and Web Services.

Practical details

Hands-on work

Getting to grips with the Open Source version of SoapUI. Create and run tests. Create Mock services. Use of "Point and Click" tests.

Course schedule

PARTICIPANTS

Developers, test and qualification teams, project managers...

PREREQUISITES

Theoretical knowledge of the uses and best practices of testing, as well as basic knowledge of XML and Web Services.

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.

1 Introduction to Web Services testing with SoapUI

- Review of basic software testing concepts.
- Web Services: SOAP, WSDL, REST...
- Software testing applied to Web Services.
- The different software testing tools available.
- Introducing SoapUI's special features.
- Overview of SoapUI use cases.

2 Setting up the SoapUI environment

- Installing and configuring SoapUI under Windows.
- Introduction to SoapUI's graphical interface.
- Creation of a first SoapUI project.
- Adding a WSDL to a SoapUI project.

Hands-on work

Installing and configuring SoapUI. Create your first SoapUI project.

3 Implementation of functional tests

- Why do functional tests?
- Define control points (assertions).
- Implement test scenarios (TestCase, TestSuite and TestStep).
- Introducing SoapUI's form editor.
- Editor's presentation of "contours" from SoapUI.
- Introducing the "Point and Click" test option.
- Export and analysis of results.

Hands-on work

Create and launch functional tests with SoapUI. Export results.

4 Implementing load tests

- What is load testing?
- Load test plan.
- Load testing with SoapUI.
- Add assertions to the load test.
- Creating and launching a load test in a SoapUI project.
- Export and analysis of results.

Hands-on work

Creating and running a load test with SoapUI.

5 Creating and using Mock services

- Understand the importance of Mock services for testing.
- Create and edit a Mock service.
- Introducing the Mock service call.
- Mock service response customization.

Hands-on work

Creating and using a service Mock in a SoapUI project.

6 Generating input and output data with DataGen and DataSink

- Introducing the "data-driven" type of test.
- Introducing DataGen: generating test input data.
- Introducing DataSink: generating test output data.

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 : 23 Mar., 25 June, 24 Sep., 16 Nov.