

Course : Squash, managing and automating your tests

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

Price : 1720 CHF E.T.



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The software testing process must be able to rely on a single, shareable test repository, and beyond that, on automated testing. This is the purpose of the Squash 2.0 suite, with its Squash TM and Squash TA components, and this course will show you how to put it into practice.

Teaching objectives

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

- ✓ Mastering the SquashTM test repository
- ✓ Installing Squash TM in your environment
- ✓ Implementing requirements with Squash TM
- ✓ Defining tests and test sets
- ✓ Plan and manage test campaigns
- ✓ Understanding automation possibilities with Jenkins, Squash Autom and Squash TF

Intended audience

Validation or acceptance test process managers, testers, certifiers, test automators.

Prerequisites

Good knowledge of testing processes. Experience of testing. Basic knowledge of command languages.

Practical details

Hands-on work

Mise en œuvre des tests pour un logiciel de type ERP/CRM/HR .

Teaching methods

Learn the fundamentals of test management through a case study.

Course schedule

PARTICIPANTS

Validation or acceptance test process managers, testers, certifiers, test automators.

PREREQUISITES

Good knowledge of testing processes. Experience of testing. Basic knowledge of command languages.

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 Squash basics

- The Squash project (history, roadmap) and its fields of application.
- Squash and classic and agile development approaches.
- Platform architecture: interconnection between Squash TM and Squash TA.
- Couplings with anomaly managers and robots.
- Platform customization.

Hands-on work

Installation of Squash and initialization of the case study.

2 Setting up the test project in Squash TM

- Creation of the project and associated players.
- Illustrations of coupling with external tools.
- Requirements management and requirements import.
- Definition of indicators (metrics, milestones).

Hands-on work

Project definition, requirements analysis, test plan integration.

3 Creating tests in Squash TM

- Creation of the project's test architecture.
- Test creation (classic, Gherkin, Cucumber, robot framework).
- Test traceability.
- Parameterized tests and data sets.
- From low-level testing to business testing (DDT, KDT approaches).

Hands-on work

Design and implementation of elementary tests, composite tests, test traceability.

4 Defining and running test campaigns

- Planning test campaigns and iterations.
- Grouping tests into test suites.
- Test execution.
- Feedback of anomalies to bug tracking tools.
- Consolidation of tests until convergence towards a required quality level.
- Creation of a new campaign iteration based on test results from the previous iteration.
- Non-regression tests.

Hands-on work

Execution of planned tests, reporting of results and anomalies.

5 Test campaign management

- Indicator graphics.
- Definition of dashboards according to workspace.
- Production of test specifications, requirements coverage matrices...
- Custom data export.

Hands-on work

Implementation of dashboards, generation of test documentation.

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.

6 Test automation

- Complete automation chain with results fed back into Squash TM campaigns.
- Illustration with Jenkins and its Squash4Jenkins plug-in.
- Illustration with Squash TF.
- Illustration with Squash Autom.

Role-playing

Transformation of a manual test into an automatic test using Squash TM.
Practical implementation of functional tests for HMI, Web Services, etc.

7 Feedback and best practices in implementation

- Methodological, technical and human implications.
- 10 key points for implementing Squash.
- Definition of the Squash migration project.

Group discussion

Feedback on cost, ROI, project stages and roles.

Dates and locations

REMOTE CLASS

2026 : 9 Mar., 11 June, 21 Sep., 3 Dec.