# Course : Squash, managing and automating your tests

*Practical course - 2d - 14h00 - Ref. SQH*
*Price : 1720 CHF E.T.*

★★★★½   4,4 / 5

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

## 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.

### ( 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.