

ISTQB® CTAL Test Automation Engineering – v2.0

Master the design, implementation, and maintenance of scalable test automation.

Duration	Format	Language	Price
4 Days	In-person / Virtual	EN / FR	2000€/participant, tax excl.

About this Training

This advanced training focuses on designing, developing, and maintaining robust test automation solutions. It equips participants with the skills needed to build scalable automation architectures and integrate them effectively into modern CI/CD and DevOps pipelines. The course follows the ISTQB® CTAL-TAE v2.0 syllabus and prepares candidates for the official certification exam.

Learning Objectives

- Design a maintainable and scalable test automation architecture.
- Evaluate and select appropriate tools and frameworks.
- Implement automation solutions aligned with project constraints and objectives.
- Integrate automated testing into CI/CD pipelines.
- Manage and maintain test automation assets effectively.
- Apply ISTQB® best practices for test automation engineering.

Program

Day 1	Introduction to Test Automation Engineering, automation objectives and risks, test automation architecture basics, SUT considerations, and automation feasibility analysis
Day 2	Test automation design, framework architecture, reusable components, test data and environment strategy, and tool evaluation & selection
Day 3	Implementation of automated test solutions, integration with CI/CD pipelines, execution strategies, logging, reporting, and maintenance of automation assets
Day 4	Advanced automation topics, scaling automation in organizations, continuous improvement, metrics & KPIs, review of key concepts, and mock exam preparation

Prerequisites

Participants should already hold the ISTQB® Certified Tester Foundation Level (CTFL) certification. Practical experience in software testing is strongly recommended, and basic knowledge of test automation concepts, software development, or scripting is an advantage.

Exam Information

- The ISTQB® CTAL Test Automation Engineering exam consists of 40 multiple-choice questions assessing advanced knowledge of test automation design, implementation, and maintenance.
- A passing score of approximately 65% is required, depending on ISTQB® official guidelines.
- Duration: 90 minutes (plus additional time for non-native language candidates where applicable).