

Agile Test Automation

ICAgile

Duration

2 days

Intended for

- Test Analysts in Agile projects
- Analysts
- Developers and Technical Testers interested in test automation should consider our Agile Programming Techniques course.

Prerequisites

An understanding of fundamental Agile concepts and an understanding of fundamental testing concepts is necessary for you to get the maximum benefit from attending this course.

These are covered in our Agile Fundamentals, ISTQB Foundation in Software Testing and ISTQB Agile Tester courses.



Would automation add value to your test team? This course examines the application of automated testing in teams working in an Agile environment.

This course delves into the specific automation practices and techniques used on Agile projects, explains the theory and concepts behind the Agile automation approach and will help to free up more time which can be directed to higher value testing activities.

Learning outcomes

By the end of this course you will understand:

- The background to test automation in an Agile project
- The roles and responsibilities for automation in a typical Agile testing team
- The various tool frameworks available to Agile teams to facilitate the testing of the project
- How discipline and standards contribute to effective automation
- How to use underlying tools and technologies commonly used by Agile teams

Content

- The Agile culture and mindset
- Test automation strategy
 - Automation pyramid
 - Planning
 - Frameworks
 - Selecting testing tools
 - Supporting processes
- Continuous integration
 - Automated test cycles
 - Code analysis/metrics
- Automating testing
 - Test levels
 - Mapping tests
 - ATDD and BDD frameworks
 - UI testing frameworks
- Automation support for integration and system testing
 - Data management
 - Exploratory testing
 - Non-functional testing
 - Virtualisation

Method used

Lecturing is kept to the minimum necessary, most of the learning is achieved through applying the practices and techniques in group exercises.