

Introduction to Test Automation

1 Day

About the course

Using a mix of classroom presentation, instructor led discussion and individual practical exercises, this course has been designed to provide testers with a good, basic understanding of test automation.

The course covers the following topics:

- What is test automation?
- When to automate and when not to automate.
- Automation approaches including frameworks, platform tools and simple record and replay.
- Demonstration of some of the tools that are available.
- Practical session using a record and replay tool.

Who is it for?

The Introduction to Test Automation course is principally aimed at test practitioners who would like to understand more about automation tools and techniques before deciding on a test tool and embarking on an automation project.

Entry requirements

Attendees should have at least 12 months' experience of system testing. Some experience of writing code in a language such as Java or C++ would be useful, but isn't essential.

The Exam

There is no exam associated with this course.

Course Objectives

The course objectives are to provide delegates with a good understanding of how to select the most appropriate automation tool then plan, prepare and execute a test automation project.

Should the delegates wish to learn about any of the automation tools in more detail on completion of this introduction, TSG Training have several tool-specific courses available. Details are available from TSG Training on request.

Syllabus – Key points

- Introduction to test automation.
- When automation is appropriate and when it's not for:
 - Test driven development and continuous integration
 - System testing
 - Automated regression testing and selecting tests for automation.
 - User Acceptance Test

- Creating test data.
- Selecting the tests that are best suited to automation
- Calculating the return on investment when automating:
 - Cost of tools versus ease of use
 - Skills required to use the tools
 - Estimating the cost of developing the automating tests
 - Estimating the cost of maintaining the tests
 - Looking at how often the tests will be executed
- How to select the most appropriate tool or tools for a project.
- Overview of some of the automation tools that are available
- Practical demonstrations:
 - Ranorex – simple record and replay
 - Selenium Webdriver – scripted browser tests
 - Odin Axe – using an automation platform to create tests using keywords
- Hands-on practical session using Ranorex record and replay
- Q&A and close.