

# Training Course Content

## Mobile Test Automation with Appium

Duration : 2 days

Languages : EN & FR

Appium is an open source test automation framework for testing of native, hybrid and mobile web apps.

This training is designed to help you understand the core concepts of Mobile Test Automation, how to build effective tests, design scripts, run and analyse the results in a mobile environment.

### Learning Objectives

This course will introduce you to:

- The scope of automation, the advantages but also the risks in a mobile environment;
- The architecture and operation of Appium;

This course will also bring you to:

- Set a test environment with Appium;
- Know options of case test creation, bring tests more efficient and replay;
- Automate application tests on a mobile environment (end to end);
- Design, execute and maintain test that have been made;
- Manage the continual integration with Appium;

### Pre-requisites

In order to follow this course, it is better to have basic skills in web programming, especially in Java and Selenium 2. Having basic knowledge in software testing is also recommended.

### Audience

This course is ideal for professionals who want to understand and have an overview of mobile application Test Automation such as Testers, Test analysts, Developers or any Software engineer who are interested in Mobile Technologies.

## Course Content

### 1. Introduction to Mobile Automation Testing

- Test Automation on Mobile
- Benefits and limits of the automation of mobile tests

### 2. Introduction to Appium

- Advantages and limits of Appium
- How does Appium work?

### 3. Appium in practice – the conception and following of scripts

- Global overview of customer and Appium server
- Configuration with Eclipse and Katalon Studio
- Manual scripts
- Customized daily files
- Creation of test reports

### 4. Automation procedure

- Deployment of the target application and emulator / terminal
- Configuration of Appium services
- Creation of automation on an emulator / terminal prototype

### 5. Improve Scripts Quality

- “Web Element” / “Native Element” methods
- Creation of a target object map
- Modularization test

### 6. Appium – Junit / TestNG / Maven / Jenkins

- Execute an Appium test script on multiple terminals and deborage
- Solve identified problems
- Implementation of an automated framework for the deployment on several terminals / emulators
- Continual integration with Appium

## Practical exercises

This training consists of practical exercises to illustrate the subjects discussed and provides trainees with the opportunity to learn through practice.

## Trainer skills

Our experts who run our training courses or those we organize with a partner are specialists in the subjects covered. They are validated by our internal teams, both in terms of business knowledge and pedagogy, for each course they teach. They have at least five to ten years of experience in their field and hold or have held positions covering business topics.