experitest

Your continuous testing cheat sheet

Everything you need to do in order to build a mobile app test automation project that runs hands free as part of your CI

Prerequisites:

- Mobile application
- Mobile devices - local or remote
- Mobile application test development tool (Appium Studio, Appium, XCTest, Espresso)
- Repository (Maven, Gradle...)
- Continuous integration tool
- Grid execution
- Test cases
- Device and OS coverage requirements

This cheat sheet uses Appium Studio, Eclipse, GIT, Jenkins, Jira and SeeTest Digital assurance lab.

Develop tests using a test development environment (Appium Studio)

1

- Connect to a real device or an emulator
- Record your tests or use a test editor
- Run your tests to validate them
- Export your code for use in an IDE

Create an automation project using your IDE (Eclipse / InteliJ)

2

- Create a new Java class
- Create a GIT repository
- Clone your GIT and create Java Gradle project
- Add automation framework dependencies
- Build a basic framework
- Add Grid configuration to project - URL and access code (or check in Appium studio to
- automatically include)
- Paste your tests in the project, define target platforms and devices
- Set up your automation (which tests to run, parallelization)
- Add build ID key to your tests
- Execute in you your IDE Eclipse to validate

Set up your Continuous Integration tools to trigger automation (Jenkins)

- Configure GIT repository
- Create a Jenkins Job
- Configure environment variables (ENV VARS)
- Configure parameterized build
- Execute from Jenkins and check reports

3

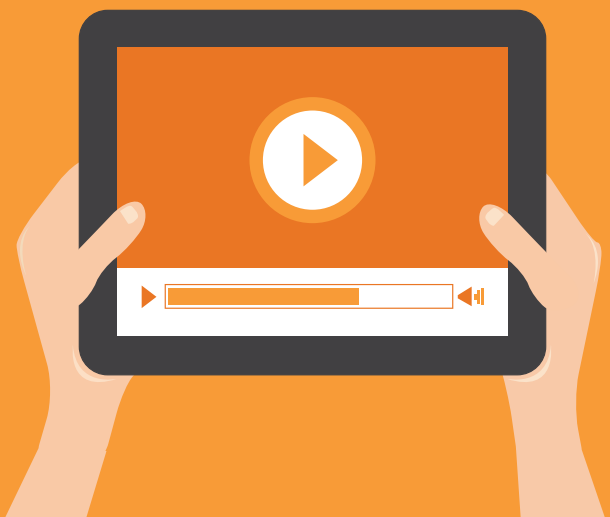
Run your continuous testing

- Set up job execution trigger (commit new code / procedural cron / web-hook execution)
- Check your triggering works and that reports are gathered, presented and analyzed

4

Watch how your feedback time and quality KPIs improve!

5



experitest

WANT TO LEARN MORE?

Watch on-demand:
How to build an Appium Continuous Testing Pipeline

For more information: www.experitest.com