

DATASHEET

# Blueprint Foundation Service

## Part Number – PM-PS-QSR-120

Congratulations! You just adopted the industry-leading continuous testing platform for web and mobile applications. In order for your team to reach peak productivity, you'll first need some assistance from the experts. Through the Perfecto Blueprint Foundation Service, we help customers create test cases optimized for performance, reliability, and maintenance.

Whether your team includes experienced developers or QA professionals, our approach is tailored to ensure that they can successfully build, maintain, and execute a full suite of automated tests for web and mobile devices.

In addition to providing training, the Blueprint Foundation Service will help you achieve your first 10 automated test cases that are fully functional and ready for Continuous Integration (CI).

## Delivery

This service is delivered via web audio conferencing to meet your flexible schedule and the demanding needs of your business. The service includes the following deliverables:

- Implementation Management
- Training
- Framework Implementation
- Automation Boot Camp

### IMPLEMENTATION

The Implementation Manager is your primary point of contact during implementation. Perfecto assigns an Implementation Manager to ensure a smooth transition— it's our commitment to you and something Perfecto prides itself on.

### TRAINING

Perfecto trains your team to develop robust automated test code for functional and non-functional test coverage, link it to industry-leading CI tools, and assure flawless unattended execution.

Training covers advanced topics such as deploying apps from builds to real devices, which then triggers automated functional and non-functional testing. We show you how to analyze your test results through detailed visual, video, and device logs to help optimize your entire software development lifecycle (SDLC). The trainings can be a refresher to existing team members and they can help get new members up to speed.



### WHAT WE DO

- We train your project team in broad application of the Perfecto Smart Lab and share best practices for automated testing of mobile apps.
- Training is instructor-led via web audio conferencing. Perfecto also offers web-based supplemental training through the online academy, Perfecto University.

### DELIVERY – PLATFORM TRAINING (~20 HRS)

Instructor-led online training (via web audio conferencing), with 5 two-hour sessions (plus homework).

- Self-paced supplemental online learning through "Perfecto University."
- Small instructor-led training classes of 10 people or less ensure optimal delivery of the content and allow for interaction between the instructor and students.

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### Framework Implementation (~40 hrs)

Building automated tests in Java isn't for everyone. Not everyone involved in testing is a developer. To keep up with the relentless pace of change in mobile app development, it is necessary to have a flexible approach that accommodates the unique and valued skills of developers and non-technical QA staff in the automated testing process.

#### THE SOLUTION

Perfecto's experts introduce your team to the Perfecto Quantum Framework. This framework is designed with mobile apps in mind but it also supports the testing of desktop web apps. The framework is optimized for CI-readiness, performance, reliability, and modularity. We teach your team how to build tests based on Quantum as well as how to maintain it.

```

12 @QAFTestStepProvider
13 public class GoogleStepDefs {
14     @Given("^I am on Google Search Page$")
15     public void I_am_on_Google_Search_Page() throws Throwable {
16         new WebDriverTestBase().getDriver().get("http://www.google.com/");
17     }
18     @When("^I search for \"([^\"]*)\"$")
19     public void I_search_for(String searchKey) throws Throwable {
20         QAFExtendedWebElement searchBoxElement = new QAFExtendedWebElement

```

#### WHAT WE DO

- Provide the Perfecto Quantum Framework with training and implementation.
- Assist your team in developing initial scripts based on the framework.
- Install and teach your team how to maintain and extend the framework.
- Small instructor-led training classes of 10 people or less ensure optimal delivery of the content.

### Automation Boot Camp (~60 hrs)

Your team is responsible for application delivery across multiple platforms and operating systems, including the unique requirements of mobile device testing. At this point, you've gone through training and initiated an automation framework. But now it's time to turn theory into practice. You'll start building automated test scripts that you build once and run against your web and mobile applications.

#### THE SOLUTION

Perfecto's experts lead your team in building their first 10 automated test scripts using Selenium, Appium, or our native automation. The scripts we help your team develop will be CI-ready and optimized for performance, reliability, and modularity. Non-functional testing and broader use of the lab will be covered.



#### WHAT WE DO

- Assist in developing and reviewing 10 automated tests using Selenium or Appium
- Assist with automation in areas such as deployment of app builds to devices, nonfunctional testing, parallel test execution, dynamic device selection, error recovery, and integration of test results.
- Assist with connecting your automated tests into CI tools, such as Jenkins.
- Small instructor-led training classes of 10 people or less ensure optimal delivery of the content.