



Unified Test Automation for Web, Web Services and Mobile for Agile and DevOps Teams to Shift Left



QMetry Automation Studio brings omnichannel, multi-language scripting and reusability to automated testing.

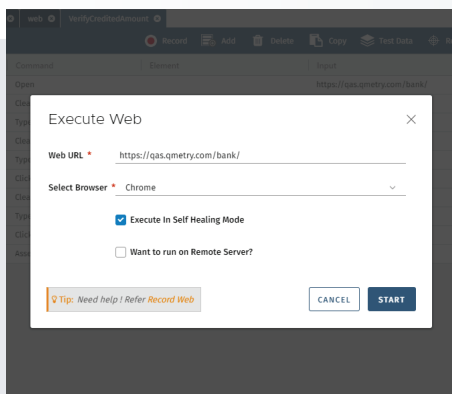
QMetry Automation Studio (QAS) offers scalable test automation that enables easy transition from manual to automated testing. It supports multi-platform automated testing across web, web services/APIs, and mobile. QAS delivers structure, efficiency and reusability, and supports multiple automation frameworks like Selenium, Appium, Robot framework, TestNG and more. QAS can execute test cases in Self-healing mode that adds ability of Self-healing of objects and respective scripts without any manual intervention. It also supports Command Line (CLI) / Headless Execution which ensures faster execution of your tests without the need of User Interface. Benefit from seamless integration with CI/CD tools like Jenkins, Bamboo, and web and device cloud testing platforms like Sauce Labs and Perfecto Mobile.

Core Features

✓ Author tests in BDD and execute automation suite

QAS uses BDD and TDD authoring which enables all team members — product and business analysts to pitch in and manage easily using natural language. For faster execution and improving overall performance of execution, QAS supports Headless Execution along with Browser based execution.

```
Search.bdd x
scenarios + web + Search + Search.bdd
1
2 Run | Show in Test Explorer
3 SCENARIO : Search
4 META-DATA: {"description":"Sample Test Scenario"}
5
6 Given get "https://www.amazon.com"
7 When wait until "id=twotabsearchtextbox" to b
8 And clear "id=twotabsearchtextbox"
9 And wait until "id=twotabsearchtextbox" to be
10 And sendKeys "iPhone" into "id=twotabsearchte
11 And wait until "name=site-search" to be enabl
12 Then verify "xpath=//div[id='search']/span/d
13
14 END
15
16
17
18
```



✓ Object Spying & Repository Management with Self-healing Execution Capability

The studio uses built-in object spy that has been designed to test, analyse and measure the performance of any app with just a few clicks. Reduce Maintenance and Enhance stability of your tests by executing in Self-healing Mode to update objects automatically.

✓ Web Recording and Playback through Exploratory Testing

Save time and efforts by auto-generating Page Object Design pattern code through exploratory testing (record and playback feature for web applications and web services). Low/no code automation using recording and execution. Record sessions and convert steps to automated scenario in Java, Python, TypeScript, JavaScript or BDD. With alternate option of recording with Chrome extension, empower testers to record test sessions. Supports recording and test execution on Windows desktop applications.

```

typescript/cucumber
typescript/jasmine
javascript/cucumber
javascript/jasmine
python/behave
python/robot
java/QMetryAutomationFramework
java/cucumber
java/junit
java/testing
10 import org.openqa.selenium.*;
11 import org.openqa.selenium.chrome.ChromeDriver;
12 import org.openqa.selenium.support.ui.Select;
13 import org.openqa.selenium.interactions.Actions;
14 import org.testng.Assert;
15 import org.testng.annotations.Test;
16 import com.qmetry.qaf.automation.ui.webdriver.QAFExtendedWebDriver;
17 import com.qmetry.qaf.automation.step.WebDriverTestCase;
18 import com.qmetry.qaf.automation.step.WsStep;
19 import com.qmetry.qaf.automation.step.CommonStep;
20
21
22
23
24
25 public class TestCase extends WebDriverTestCase {
26     private QAFExtendedWebDriver driver;
27     private String baseUrl;
28     private boolean acceptNextAlert = true;
29     private StringBuffer verificationErrors = new StringBuffer();
30
    
```

Integration

QTM QTM4J QTM4J JIRA

Edit: QTM_Integration

Select Test Suite + Add Field

Test Suite: Test Suite ID or Testsuite Entry Key.

Test Suite Name: Regression_suite1

Test Suite Owner: liza

Select Test Case + Add Field

Tip: Need Help? Refer QTM Integration Guide.

CANCEL

✓ Enterprise-scale Test Automation Under One Roof

The omni-channel digital enterprise is very demanding. You need a comprehensive tool like QAS to ensure scalability and full coverage for your app. Our tool's out-of-the-box scalability containers mean that you are always digital-ready. You can leverage the cloud to provide the right CI integration with mobile conditioning libraries and many other modules.

✓ Comprehensive Reports and Dashboards for Intelligent and Informed Automation

QAS provides a detailed dashboard and insights that focuses on test failures and strong root cause analysis. With its integration with QMetry Test Management, QA teams are enabled with actionable insights through extensive reports covering from execution to testing traceability and reusability along with analytics.

QAS - Runner

QAS - Runner

Environment Information

Execution On	QAF build	Desired Cap
JAVA_ARCH:64	QAF-TYPE:core	BROWSERNAME
JAVA_VENDOR:Oracle Corporation	QAF-REVISION:14-0C1	CESELEACTO
JAVA_VERSION:1.8.0_172	QAF-VERSION:2.1	RUN
OS_ARCH:x86_64	QAF-BUILD-TIME:01-Apr-2018 21:59:38	JAVASCRIPT
OS_NAME:Mac OS X		PLATFORM
OS_VERSION:10.14.3		TAKESCREEN

Search

Benefits



Faster execution with Headless Execution



Swift transition from manual to automation



Seamless integration with QTM, Sauce Labs



Less maintenance via Self-healing Mode



Web recording through Exploratory testing



Insights with in-built automation reports