

Impiger Test Automation Framework FOR WEB & ANDROID APPLICATIONS



Test Automation Framework for Web Application

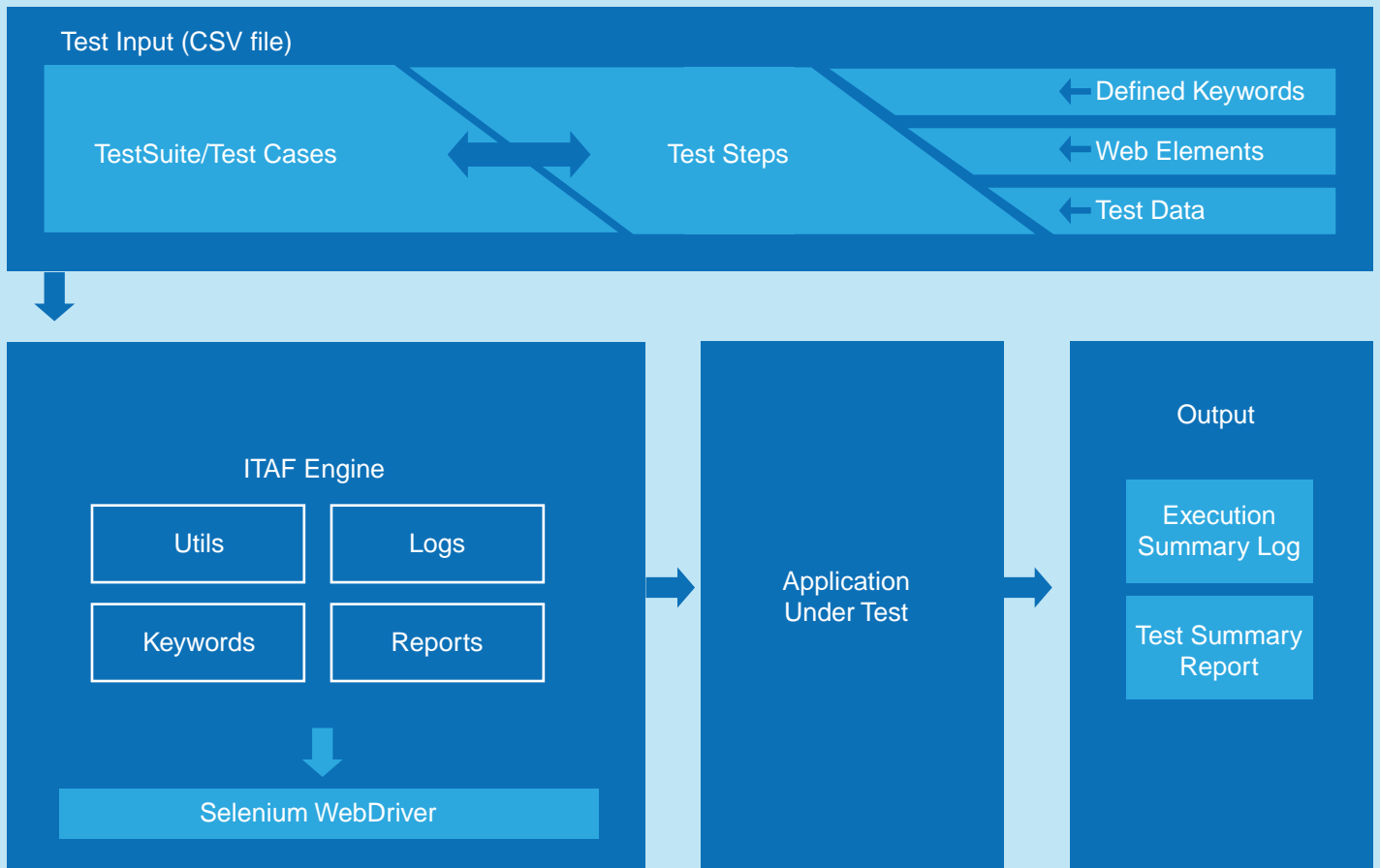
Impiger leverages its years of automation expertise in open source technologies to bring you Impiger Test Automation Framework (ITAF). It is a proprietary, easy-to-use, hybrid automation framework built on open source tools and utilities. ITAF increases automation efficiency by minimizing initial coding effort. It allows you to quickly create and execute automated functional, regression test cases across multiple browsers. It enables you to provide greater coverage of automation as well as easy maintenance of your automated test cases.

KEY FEATURES

- » Hybrid automation framework. No coding required.
- » Only need to capture the web element locators
- » Supports Pre/Post conditions for Test Suite and cases
- » Provides multiple Test data parsing
- » Supports Firefox, Chrome and IE browsers
- » Supports Database Testing by validating the count of records
- » Generates log-useful for debugging the issues
- » Provides HTML Results with detailed summary report
- » Supports multiple test suites to be processed at background
- » Selective execution of test cases

KEY BENEFITS

- » No domain expertise or coding knowledge required
- » Easy to understand, implement and maintain at a quick pace
- » Reduces manual effort for regression test suites
- » Reduced effort in testing in multiple browsers
- » Better test coverage throughout the application
- » Low maintenance effort to organize test suites
- » Platform independent



TEST AUTOMATION APPROACH

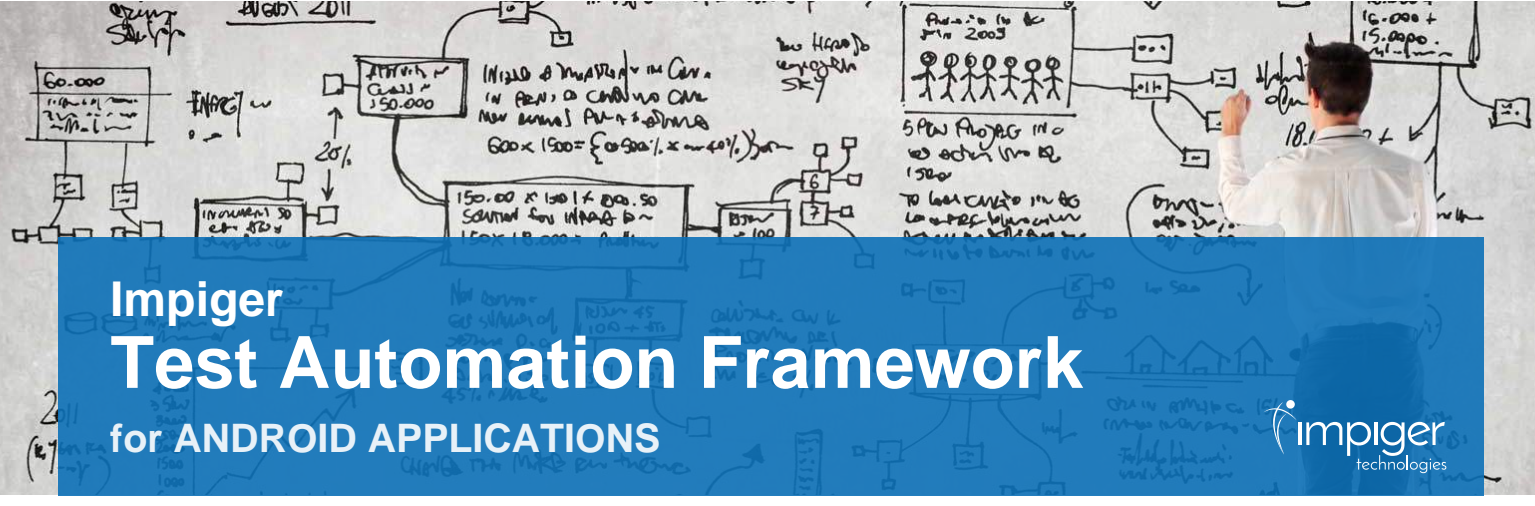
- » ITAF engine loaded with path properties of application, Test Suite, Log and Results folder
- » ITAF engine then parses the Test Suite excel sheets
- » ITAF engine will parse the keywords with web element locators before execution
- » Once parsing succeeds, engine detects web elements based on keywords and locators
- » Executes test cases and returns test results
- » Log file and test reports are updated with details of execution logs and test results

TECHNOLOGY

- » Open source framework includes Selenium Webdriver
- » Desktop OS Support includes: Windows (XP, Vista, 7& 8) and mac versions

PRE-REQUISITES

- » Java Runtime Environment 7.0
- » MS Office(Excel)- supports only xlsx



Impiger Test Automation Framework for ANDROID APPLICATIONS



Mobile Application Testing is becoming complex day by day with various platforms and OS's (think device to OS matrix), numerous types of testing scenarios and a variety of network connections and carriers. Mobile ready businesses today utilize automated app testing on a device-by-device basis to achieve real-world understanding of how customers experience their app.

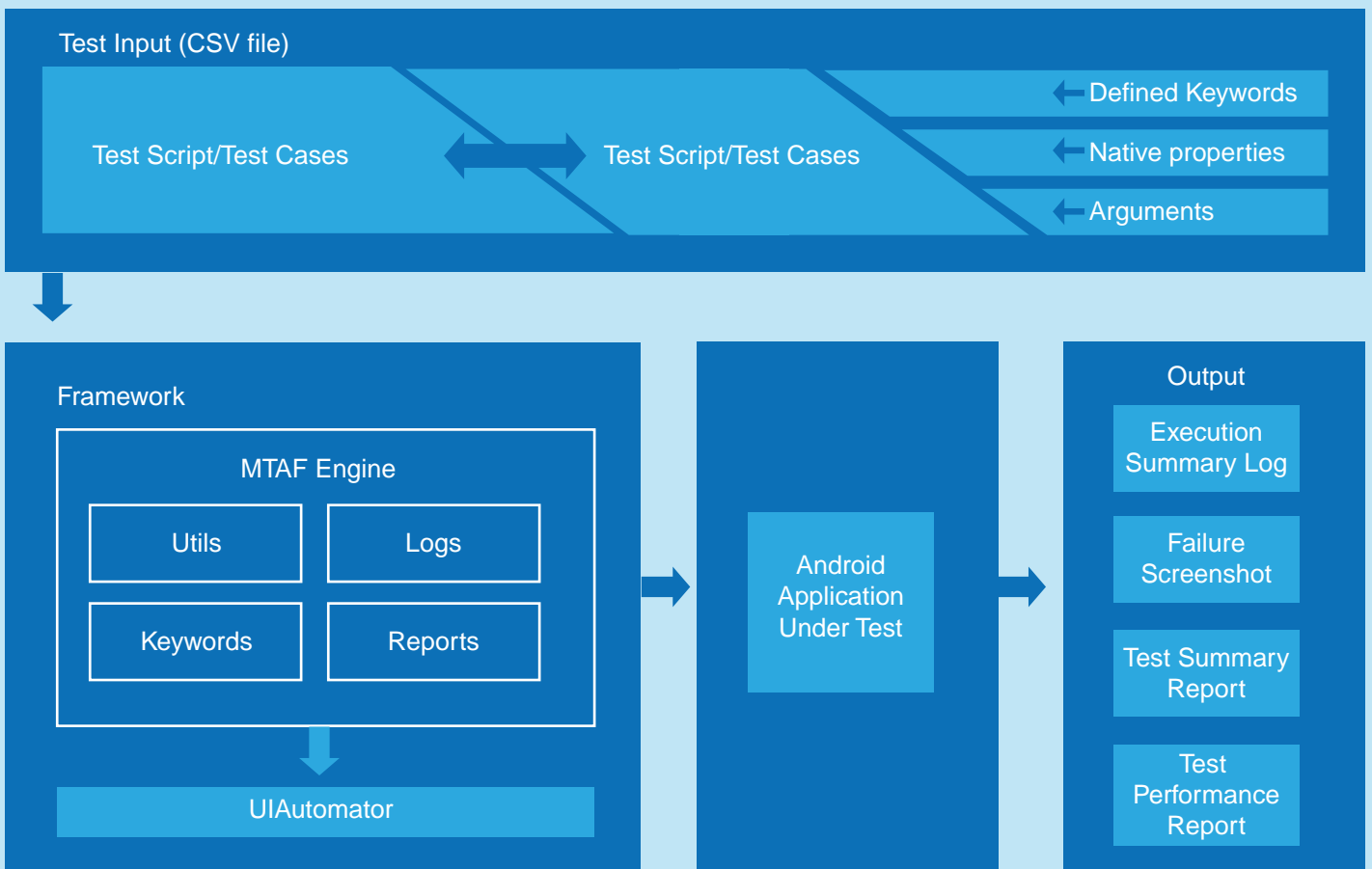
All our service engagements are enabled by bleeding-edge mobile testing tools that significantly better every mobile engagement and improve application performance. We have the technology infrastructure for every stage of the mobile lifecycle.

KEY FEATURES

- » Works based on keyword driven methodology. No coding required
- » Supports android OS>4.1
- » Supports all native along with extended android components
- » Supports validation on custom views by screen-compare approach
- » Supports selective test script based run methodology
- » Supports gestures such as pinch in/out, scroll, fling, two point gestures, multipoint gestures etc
- » Works beyond processes(can work on device gallery and switch to application under test)
- » Provides capability for device to device communication test scenarios
- » Generates HTML and CSV based test results with detailed summary
- » Generates Performance metrics report for test execution
- » Captures failure and crash screenshots and links with test-case
- » Supports integration with test-link to import test execution results

KEY BENEFITS

- » No domain expertise or coding knowledge required
- » Easy to understand, implement and maintain
- » Reduces manual effort for regression test suites
- » Reduces effort in multiple device execution
- » Better test coverage throughout the application
- » Low maintenance effort to organize test suites
- » Increases productivity and enhances quality of application under test



TEST AUTOMATION APPROACH

- » MTAF engine loaded with properties of all native/extended components
- » MTAF engine will parse the keywords with native/extended components before execution
- » Once parsing succeeds, engine detects android components based on keywords
- » Injects events to the device based on defined keyword properties
- » Execute test packs and returns test results

TECHNOLOGY

- » Open source framework includes UIAutomator and testlink API
- » Android OS support includes OS version > 4.1
- » Desktop OS Support includes:
Windows (XP, Vista, 7 & 8) and mac versions

PRE-REQUISITES

- » Android SDK
- » Execution jar
- » Framework jar

250+ Mobile Apps
150+ Websites & Intranets

CONNECTING
BUSINESSES &
CUSTOMERS THROUGH
MOBILE & WEB

About Impiger

Impiger is a one-stop technology solutions partner for Mobile, Microsoft, Cloud, and Testing. We have architected 150+ web portals across SharePoint, Microsoft Azure, ASP.NET and 250+ mobile applications for iOS, Android, Windows Mobile, HTML5, and cross-platform frameworks. Specializing in enterprise mobility consulting and building line-of-business applications, we help enterprises improve business efficiency, productivity, and revenue.

The company also offers telecom-based services and has a delivery platform running across global telecom majors. Impiger employs over 280 professionals spread across 3 global locations and work with F500s and SMEs in the United States, India and UAE.

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