

REGRESSION TEST SUITE AUTOMATION FOR IOS & ANDROID MOBILE APPS FOR IOT DEVICES

CASE STUDY

TEST AUTOMATION FOR SMART HOME CONNECTIONS



The US-based leading global provider of the software platforms, cloud, systems, and unified access services for home-based IoT devices, improves QA with automated regression suites.

PROBLEM STATEMENT

The client's platforms are armed with ground-breaking intelligent software platforms and cloud analytics, that help their customers transform and optimize their business models, rapidly deploy new services at DevOps speed, and make the opportunity of the smart home and business a reality.

The client's team were working on a mobile app (iOS & Android) created for the IoT devices and wanted to improve their QA through test automation. This is when they approached Zuci for regression test suite automation, using tools that support both iOS & Android and, create test cases that can be executed in the latest OS versions.

Test engineers at Zuci evaluated the app and identified challenges in handling API actions, validating responses on the native apps and from applications involving interactions outside native components (via web).

HOW ZUCI HELPED



Post analysis of the home automation solutions (IoT), we developed a test automation framework that support both iOS and Android versions of the mobile app



Created test automation scripts using Behavior Driven Development (BDD) approach

SOLUTIONS



We found a one-stop solution to solve the above challenges and achieve the client's goals in Zuci's in-house test automation framework - EPIQ (Engineering Productivity in Quality).

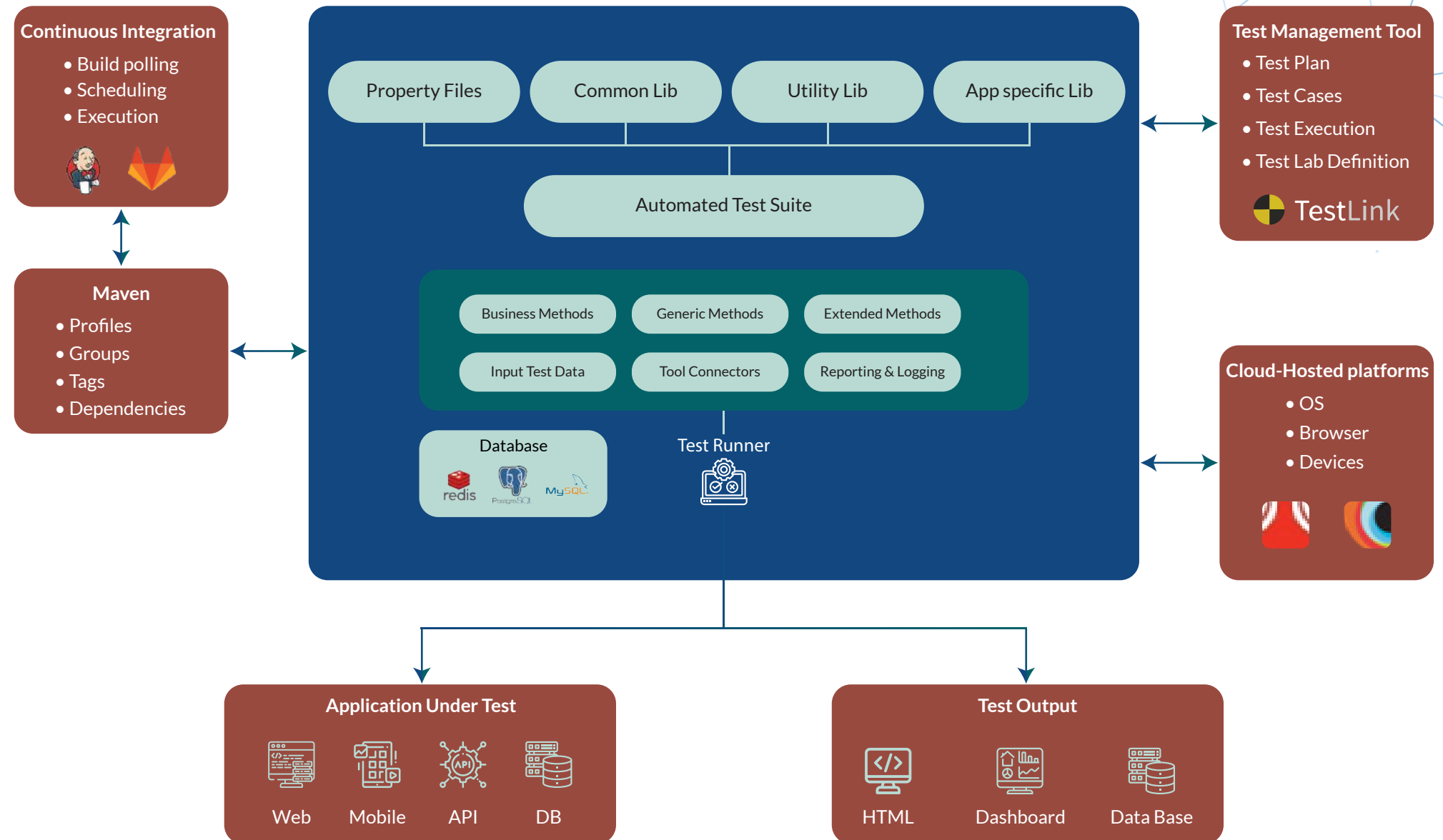


EPIQ framework handles,

- APIs
- Mobile web
- Mobile native apps

SOLUTIONS

Zuci's in-house test automation framework



TECH STACK



OUTCOME



Reduced test automation development effort with the help of EPIQ by
50%



Increased test case execution by
80%



Minimized script maintenance effort to almost **ZERO**

"For Zuci, it is one of the initial implementations using EPIQ for IoT products, glad that we were able to help the customer from a platform, coverage and goal perspective"

- Sujatha Sugumaran, Head of Quality Engineering



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