

Automating the testing of the leading platform of extra bank payments

THE COMPANY: GIRE RAPIPAGO

Gire is the leader in information processing, payments and collections with more than 25 years in the industry. Extra Bank payments business unit Rapipago is the leader in the market with more than 3000 collection points in the country and more than 2000 collection services. In addition to this collection service, Rapipago allows collecting companies to use the following services to improve its efficiency and costs:

- Automatic allocation of collections by web services
- Payments: from the service company to the recipient.
- Rapisic: bar code generation to charge through the Rapipago network.
- Electronic wallet on mobile devices

THE CHALLENGE

The software platform Rapipago based on Java Swing was initially developed without automated tests. It evolves with the addition of new collection services and new functionalities.

This continuous evolution requires that at least once a month a new version has been deployed, which is distributed to more than 3000 collection points.

The big challenge that Gire faced was to be able to perform a complete regression test of the Rapipago platform, and at the same time to test the new collection services, once a month. This was impossible to be done in a manual approach by the QA team.



Thanks to the Crowdar Automated Testing Platform and that Crowdar can solved the integration with Rapipago platform, we solved a need that we had long ago, allowed us to run our process of continuous improvement in automated way, taking the first step towards Continuous Integration

Hugo Iavarone, CTO



THE SOLUTION

Crowdar initially conducted a proof of concept to verify that the Rapipago platform could be automated as it was developed in Java Swing and GemFire.

The first step was to conduct a Proof of Concept (PoC) developing some automated test cases in BDD (Behavior Driven Development) integrating both platforms through a Java connector.

This PoC was decisive for the Technology Department, since it had been previously tried different automation approaches of the Rapipago platform but without success.

After this successful PoC executed in 1 month, Crowdar implemented the Automation platform with sample test cases, and deployed in Rapipago's infrastructure.

Daily, the solution implemented, compiles the Rapipago platform then compiles the Crowdar platform with the new tests added and run the test cases against Rapipago collection software. This generates statistics of each execution and reports bugs to be corrected by the development team.

After the implementation, a Knowledge Transfer and training in BDD was delivered to the QA team to let them continue with the maintenance of the Automation platform.



Crowdar enable us to incorporate the automation regression tests to our QA process and improve the skills of our team through the Knowledge Transfer

Adrián Pierro, Development Manager



PROJECT HIGHLIGHTS

Duration: 6 months

Team: 1 Agile Project Manager, 1 Automation Architect, 5 Automation Engineers

Methodology: Scrum

Tools: BDD (JBehave), Test-NG, Report-NG, Java