

RPA-based Automated Test Suite Driving Regression Accuracy for a Leading CPG Business



ABOUT THE CLIENT

The client is over-a-century old leading European-American CPG organization with presence in 180+ countries. Committed to provide a better tomorrow to all its stakeholders, it strives to create long-term sustainable businesses through innovative products for all generations.

Multi-vendor application landscape, high operation overheads, and intensive manual effort in executing regression testing at different sites, across geos, with different data sets, lead to disproportionate testing cost for the client.

WHAT WAS NEEDED

A one-stop shop for testing (Testing Centre of Excellence) for a multi-vendor supported application landscape to minimize regression testing time and effort

- The client has close to 11 applications for business operations – each managed by different partners
- With agile development within a diversified and complex technology landscape – including SAP desktop & Web, Web Apps, Emulator, APIs, Anaplan, Apriso, etc. the client required a simplified regression testing model to minimize the manual effort and time invested
- High operation overheads and intensive manual effort needed in executing regression testing at different sites, across geos, with different data sets and features, leading to disproportionate testing cost
- Ad hoc testing practices and execution leading to inconsistencies and rework

SOLUTION

- Unified and centralized testing process by leveraging RPA based automation testing suite, integrated with DevOps
- 24/7 Bot based testing during lean resource utilization periods
- RPA led test automation framework incorporating tasks like test data creation, service virtualization, verification of documents, test script running, regression analysis, etc.
- Stringent authorization and authentication of testing resources extracting and creating test data, using complex rules for the bot, to ensure compliance
- Tester persona bot complementing the testers and anchoring the testing process end-to-end

RESULT

- One-stop shop for automated testing, delivering a ready package for application testing; also serving as a future production-ready process automation suite
- Increase in the degree of automation – due to RPA approach
- Faster delivery time by reducing regression testing time (up to 35%), consistently achieved considering regression roll-out across different sites
- Code modularity and faster time to build – with 75% reusable libraries and only 25% customization for the applications
- 40-60% times faster test script generation

ABOUT ITC INFOTECH'S AUTOMATION CAPABILITIES

ITC Infotech has extensive experience in delivering automation services and solutions modelled across client centric flexible engagement models, spanning multiple clients spread globally. Our automation experts have experience in delivering automation programs across multiple industries, using multiple automation technologies and state-of-the-art automation frameworks.