

COVARIUS

Automation to replace intuition

Payments Testing

Global Online Retailer

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Background



In 2021 and 2022, Covarius worked with a NASDAQ 10 customer on the automation of their global payments programme, redefining testing as a strategic priority.

Over the past decade, their pace of change has continued to accelerate, with multiple acquisitions of new global business and aggressive progression of its cloud technology subsidiary. This reality of growth led to the decision of implementing a new global platform for corporate payments on the FIS Treasury Suite.

Facing a challenging global roadmap to deploy FIS across regional entities, the client selected Covarius Digital Solutions to build a global test automation platform that could industrialise and speed its global rollout and upgrade ambitions.

Challenges

- 1 Significant daily volumes, value and file sizes for payments and statements sent and received by Treasury, Finance and Payroll.
- 2 Non-standardised, manual spreadsheet-based testing processes in the global rollout, increasing programme effort and rollout costs.
- 3 No visibility of test requirements traceability and testing outcomes across internal customers, enabling project risk in managing test cycles to timelines.
- 4 Lengthy test execution, requiring participation and complex co-ordination of multiple internal customers and external consulting partners.
- 5 Limited reusability due to non-standardised test case content and test data for each test cycle, impacting potential for test cycles to spin-up faster.



Approach

With key alignment between the clients culture of experimentation and Covarius innovation, Covarius was onboarded to deliver a corporate payments Test Automation Solution for FIS Payments Hub, leveraging multiple cloud-based automation and BI platforms.





Why Covarius?



Test Automation proposition and value for Treasury versus standard vendor offerings such as Tricentis.



Payment Factory project track record and consulting expertise in FIS and Kyriba deployments.



Alignment of knowledge and experience between Covarius and the client in TestRail platform.



Strength of custom engineering expertise in cloud stack, UiPath and Tableau analytics.



Alignment between Covarius Digital Solutions vision for innovation and the client own-built culture.



Delivery

- 1** Deployment of requirements tool for managing Test Scope, Test Scenarios and Test Data.
- 2** TestRail Server setup for >100 test users, supporting manual as well Test Automation project types.
- 3** Custom cloud integration supporting synchronisation of Test Automation test cases and test data from requirements tool into TestRail.
- 4** Full Test Automation coverage for global payments format testing (on/off-line validation) using component-based approach in UiPath.
- 5** Real-time Tableau Test Automation analytics integrating TestRail, requirements tool and an internal defect management platform.
- 6** Modern end-to-end knowledge bases for manual testing and the Test Automation solution using wiki platform.

“Covarius has really helped deliver a great testing experience from top-to-bottom, delivering an intuitive, flexible Test Automation dashboard that is easily one of the most functional dashboards I have ever used.”

Senior Manager, Treasury Technology



Impact

- 1** Established a self-service testing capability enabling independent teams to leverage standardised test creation, execution and project analytics.
- 2** Reduction of individual test execution times and test cycle duration through automations, with fewer internal and external resource requirements.
- 3** Increase in test scope coverage and permutations, leading to lower defect leakage into production systems.
- 4** Repeatable and continuous testing capabilities for FIS Payments Hub supporting the global rollout, upgrades, patches and bank onboarding.
- 5** Client team to run and maintain the manual and automated testing framework independently, leading to minimised external dependencies.
- 6** Documented methodology and cookbooks through a Wiki to allow for simplified additional test automation creation and enhancement.

> 40%

average reduction in test cycle duration times

> \$1.5m

estimated cumulative net savings over four years

> 3 FTE

resource reduction in annual testing efforts

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