



Faster, Reliable Releases with SAP S/4HANA Test Automation for a Global Juice Brand

A leading global juice brand, having implemented an end-to-end SAP S/4HANA ERP across multiple modules, needed to reduce the lengthy regression test cycle. We developed a robust test automation solution using Tricentis Tosca, covering 950+ end-to-end regression test cases. By applying efficient test design techniques and automation best practices, the regression cycle time was significantly reduced, enabling faster releases and improved efficiency.

150% effort saving

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CLIENT

BUSINESS NEED

SOLUTION

BENEFITS

- The client is a leading American global juice brand, best known for orange juice. Originally family-founded and later grown under PepsiCo, it is now majority-owned by PAI Partners while maintaining close distribution ties with PepsiCo. The brand is popular in the United States, Europe, and Asia, and is sold in over 70 countries worldwide.
- The client with third-party vendor has implemented their end-to-end ERP using SAP S4 HANA for different business modules - SD, MM, WM, PP, PLM, QM, HR, FICO, etc.
- Has repository of over 1100+ e2e Integration and regression test cases
- 1 cycle of manual test execution of a complete cycle takes 4 weeks with existing manual testers
- The client was looking for a reduction in the regression test cycle time
- Developed test automation using the Tricentis Tosca tool covering 950+ e2e regression test cases
- Used efficient test design techniques following:
 - Reusable Test Step Blocks and Recoveries
 - Functional and process level
 - Tosca design standards and best practices
 - Used distributed execution for parallel large volumes unattended test execution
- Used Customized Reporting - IQ Studio - In-house developed AI Platform
- 330 hours of manual effort saved in 1 cycle of full regression test
- Saves more than 2 weeks for 1 cycle of a full regression test
- 150% effort saving with 3 agent machines
- A subset of critical sanity test cases was identified and executed for minor upgrades, significantly reducing regression test time