



Aspire's End-to-End Test Automation Accelerator reduces 90% of testing costs for a Global Manufacturer



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SYSTEMS



*attention.
always.*



Challenges:

- *Difficulty in creating test automation scripts for SAP S4HANA*
- *Unable to achieve seamless flow of information between SAP S4HANA & other integrated web applications*
- *Improve quality of test scripts for SAP application*
- *Parallel execution in different machines*

Solutions:

- *Created efficient Test Automation solution for SAP S4HANA*
- *Automated entire regression suite with Tricentis Tosca for simultaneous testing*
- *Performed parallel execution with DEX on different machines*
- *Scheduled and executed scripts using windows scheduler, without manual intervention*
- *Generated customized reports & were email notified based on requirements*

About The Customer

- Our customer is a global leader in offering technology for products, systems, software, and services to worldwide construction companies.
 - They have **120+** offices worldwide
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The Needs

- Build an end-to-end test automation strategy and reporting approach for continuous flow of information among SAP S4HANA, a desktop application and other integrated web applications
- Enhance quality of test scripts for SAP applications and integrated chrome applications
- Implement Continuous Integration/Continuous Delivery, parallel execution on different machines & refactoring, and also achieve minimization of test suites
- Optimize scripts for repetitive testing in different environments
- Improve reliability of test scripts using different test datasets





Benefits:

- *Maintenance costs were reduced to less than 10%*
- *Regression environment setup routine reduced by half*
- *Zero production defects while supporting 10+ production releases*
- *Savings of 40% time by leveraging reusable components*

The Challenges

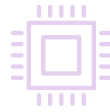
- Difficulty in creating test automation scripts for SAP S4HANA, an intelligent Enterprise Resource Planning (ERP) application
- Unable to achieve continuous and seamless flow of information between SAP S4HANA and other integrated web applications

The Solutions

- Created a model-based Test Automation package from Tricentis that ensured SAP S4HANA application testing was performed efficiently and was integrated with SAP PI/PO to test data across systems
- Automated the entire regression suite with Tricentis Tosca to ensure quality through simultaneous testing on web and desktop that saved time
- Performed Parallel execution on different machines using DEX
- Utilized windows scheduler to schedule and execute the scripts without manual intervention
- Customized reports were generated and notified by email based on business requirements
- Using TC- Shell commands, executed the scripts without opening the workspace and used for continuous integration.
- Automated excel sheets to fetch data and perform actions inside excel using macros concept
- Connected reliable scripts to latest data with 'link to source'



Technology Snapshot



- » **Automation tool:** Tricentis Tosca
- » **Cloud-based cross platform:** SAP S4HANA

Benefits

- **500+** test cases prepared
- **100+** defects reported
- **500+** test scripts created
- Testing engagement with customer with **3** resources for a single product



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