

# Streamlining Test Automation with SOAIS' Business Process-First Methodology and Tricentis Tosca: 40% Cost Savings, 30% Time Savings for Business Users, and Enhanced Collaboration

## INTRODUCTION

A leading global healthcare services and products company faced significant challenges in managing test data for enterprise systems like SAP. Manual data creation and outdated processes led to inefficiencies, increased costs, and delays in product releases. To address these issues, the company partnered with SOAIS, leveraging Tricentis Tosca and SOAIS' Business Process-First Methodology to streamline test automation while reducing communication errors and improving collaboration with business users. This approach delivered substantial cost savings, enhanced collaboration, and improved data accuracy.

## Business Challenges

### Manual Test Data Creation

Manual creation of test data in the SAP environment was time-consuming and prone to errors. Testing teams spent hours preparing data that often lacked accuracy or relevance, leading to inefficiencies and extended timelines. Aged test data also required frequent revalidation or recreation, further delaying the quality assurance process.

### Obsolete Test Data

Test data often became outdated during long-term projects, particularly after system updates. Recreating valid data was labor-intensive, consuming valuable time and resources, which delayed releases and increased the risk of errors.

### Inefficiencies in Test Automation

The reliance on outdated or manually created test data hindered automation efforts. Test cases often failed or produced unreliable results, reducing ROI and forcing teams to spend significant

time maintaining test environments instead of focusing on process improvement.

### Communication and Collaboration Gaps

Testing processes often required frequent involvement from business users to validate workflows and ensure relevance to operational needs. Miscommunication between IT teams and business users caused delays and errors, further compromising the efficiency of testing cycles.

## Soais Solution

SOAIS delivered a tailored solution, combining Tricentis Tosca for test automation and its Business Process-First Methodology to address communication challenges and improve collaboration. Key components of the solution included:

### Automated Test Data Creation with Tricentis Tosca

Tricentis Tosca automated the creation of test data, ensuring fresh, valid data for every test execution. By eliminating manual data

generation, Tosca improved reliability, reduced effort, and enabled real-time test case execution tailored to the company's SAP environment.

### **Business Process-First Methodology**

SOAIS employed its Business Process-First Methodology to prioritize business workflows and align testing with operational needs. This approach minimized the involvement of business users during repetitive testing cycles while reducing communication gaps between IT and business teams. It ensured testing efforts remained relevant to core business processes, improving both speed and accuracy.

### **Automation of Pre-Requisite Transactions**

SOAIS automated prerequisite transactions required to generate test data. This eliminated the need for manual setup of inventory, order processing, or financial transactions, reducing human error and ensuring consistent test results.

### **Consistent, Real-Time Test Data**

Continuous data generation ensured all test cases used relevant, up-to-date information. This approach resolved the issue of obsolete test data and significantly improved the reliability of test results.

## **Key Benefits**

### **50% Reduction in Testing Effort**

By automating test data creation and streamlining collaboration, the solution reduced manual effort by 50%. Teams were able to focus on strategic improvements rather than repetitive tasks.

### **40% Cost Savings**

Automation reduced operational costs by

40%, reallocating resources previously dedicated to manual processes to higher-value initiatives.

### **30% Time Savings for Business Users**

The Business Process-First Methodology reduced the need for business users to participate in repetitive testing cycles, saving them 30% of their time. This allowed business users to focus on strategic tasks while maintaining alignment with IT teams and ensuring testing relevance.

### **Enhanced Test Accuracy and Reliability**

Real-time, accurate test data improved the precision of workflows and reduced the risk of errors in critical areas like payroll, inventory, and order management.

### **Scalability and Adaptability**

Tricentis Tosca's flexibility supported the company's growth, adapting to evolving test scenarios and system complexities without requiring significant reengineering.

## **CONCLUSION**

SOAIS enhanced testing operations using its Business Process-First Methodology and Tricentis Tosca, achieving 40% cost savings and 30% time savings for business users. By automating test data creation and aligning testing with business needs, the solution enabled the delivery of high-quality healthcare products while ensuring compliance and operational excellence. This partnership highlights the impact of intelligent test automation and business-first approaches.

