

# CASE STUDY

## SAP PI/PO MIGRATION

One of the most common use cases for test automation is SAP PO migration. We would like to share with you the progress and the characteristics of the recent project that involved **Int4 SUITE**. Presented Case Study is about the leader in the **pharmaceutical** industry.

## THE CHALLENGE

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The scope of a project

**SAP PI** dual-stack migration into **SAP PO 7.5**

Problems to solve

- 1 Broad scope and volume of messages.
- 2 Lack of full knowledge, how some of the scenarios work.
- 3 Small team comparing to the project scope.
- 4 Tight schedule. The project schedule was dictated and limited by an upcoming large S/4HANA project and the end of support for SAP PI 7.31 that will happen at the end of this year.
- 5 No testing support outside the team, due to the technical nature of the project.

# THE SOLUTION

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The management team consciously noticed that **test automation** is the only way to perform the migration smoothly and decided to choose **Int4 SUITE** tool for it.

**FAST  
SECURE  
AUTOMATION**

“ *The most important fact is **zero critical issues** during the production hyper care period. Besides, the customer was satisfied and felt safe during it, having very good evidence of regression testing.* ”

**Michał Kowalczewski**  
Int4 Product Manager

## Virtualization feature

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Int4 SUITE tool gives the users freedom of testing. **Virtualization** of all the sender and receiver systems. The team will not need to work with non-SAP parties to trigger the test data until the final UAT. The 3rd party systems are no longer needed to perform the **SAP landscape testing**.

## Automated testing

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The role of Int4 team in this project was to provide a platform for test automation and enable building the regression test cases by **Int4 SUITE** and its robotic crawler. The robotic way of test case creation was an amazing booster. **Automatic test case creation** based on the robotic approach and scanning the production SAP PI system made the work faster, easier and much more effective.

## Test Driven Development

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Int4 team has also changed the project delivery methodology to **Test Driven Development** using Int4 SUITE. The tool impacts not only the testing, but the project delivery thanks to the **shift left**, and test-driven development (TDD) approaches.

“ *This history was a fantastic victory for **agile project delivery**. All of it was only possible thanks to the open heads and highly motivated and passionate team. Thanks to them, **Int4 SUITE** could show its strengths.* ”

**Michał Kowalczewski**  
Int4 Product Manager

# PAINS

- The team was too small to deal with the large scope of project. That required involvement of third party and generated **huge costs**
- Some **scenarios were older** than the team that was maintaining them. Lack of full knowledge could result in **lower efficiency and insecurity**
- **Limited time** because of the upcoming large S/4HANA project and the end of support for SAP PI 7.31

# GAINS

- + Significant **cost reduction** due to the low involvement of external partners (customers, vendors) and business and non-SAP systems resources
- + **100%** assurance of meeting all business requirements by **automated testing** for thousands of cases
- + Enablement of the **Test Driven Development** (TTD) approach

“ *This project was a **win-win** for all involved parties. Our customer executed the migration smoothly and with confidence. Int4 team collected valuable feedback and implemented various improvements in the **Int4 SUITE** tool which will benefit also future migration projects.* ”

**Tomasz Maćkowski**

SAP Solution Architect & Full-Stack Developer at Int4

## Int4 SUITE means...

### ...Codeless Test Automation for SAP systems integration

Enterprise Integration of SAP systems is often based on reusing the existing components and that requires a careful regression testing. It's even more of a challenge now, as concepts such as continuous integration and continuous delivery are becoming a common practice. Faster development pace sets a high bar for testing tools, as it demands continuous testing.

# CONCLUSION IN NUMBERS

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**1200**

Over 1200 created  
**interfaces**

**2S**

2 seconds for  
a **test case**  
creation

**0**

**Zero** critical  
issues after the  
upgrade project  
go-live which  
proves that **Int4**  
**SUITE** interface  
regression testing  
was complete

**24000**

24000 **test cases**  
created and executed



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**For more information,**  
contact Int4 at [sales@int4.com](mailto:sales@int4.com) or  
visit [www.int4.com/int4-suite](http://www.int4.com/int4-suite)