

Eliminate SAP S/4HANA project delays caused by external dependencies with service virtualization

Any **SAP S/4HANA** implementation is an enormous task for every company, but more so when they decide to continue with the customizations made during years in their previous ERPs.

The **biggest** challenge with big and complex **SAP S/4HANA** transformations is that they often face a massive and complex data landscape. The data landscape is not just the size of the data, but also the number of applications, databases, and middleware components that need to be integrated.

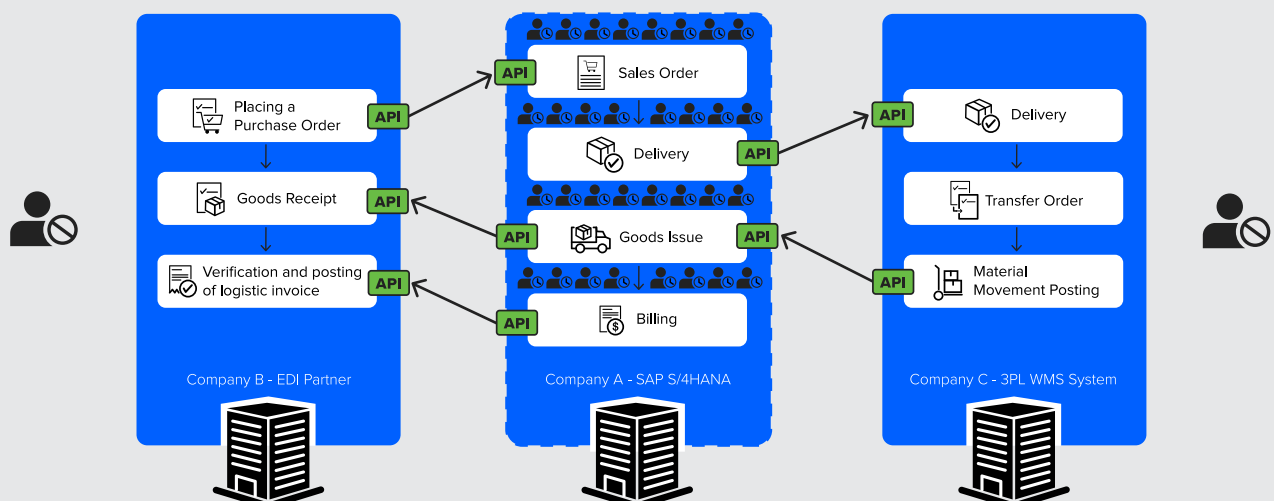
Companies need to carefully consider not only the cost of the transformation but also its impact on their business processes and people.

Costs caused by non-compliant EDI

All the **SAP** Intelligent Enterprises run their core business process using **Electronic Data Interchange** (EDI) with their business partners. **SAP S/4HANA** programs would cause the need to retest all EDI relevant business processes.

But what if you have hundreds or even thousands of B2B partners using **SAP S/4HANA**? Which ones to select for testing and how to make sure organizing the testing will not slow down the whole **SAP S/4HANA** program?

SAP developers and SAP Functional Consultants need a few test messages from **EDI** partners to validate the development testing, but this requires support and coordination. Your **EDI** business partners need to be able to understand you and support you. Otherwise, it can result in wrong messages or delays.



Lack of access to 3rd-party non-SAP systems causes SAP S/4HANA project delays

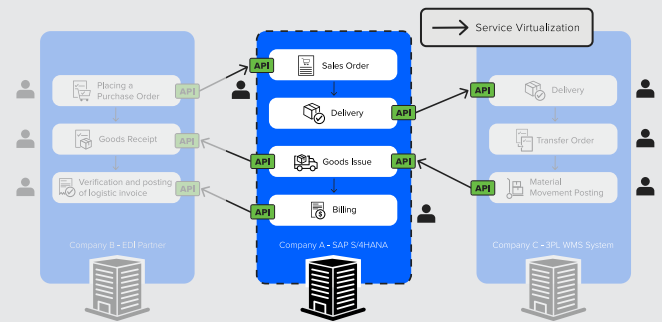
Duplicating production systems

Big companies can have up to **100 3rd-party systems** connected to their current implementations of **SAP S/4HANA**. When those 3rd-parties don't exist or are very difficult to reach, it greatly affects the productivity of implementation teams.

The time to create and maintain **3rd party non-SAP systems**, which didn't exist before the **SAP S/4HANA** project, causes one issue – all SAP developers need to wait to have their business processes tested. Furthermore, manual creation of mock-ups is either very time consuming and cannot be reused or does not work at all.

Service Virtualization solutions

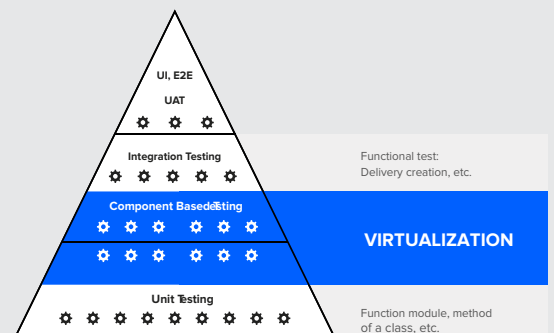
Service virtualization and testing (SVT) solutions like **Int4 Messenger** (Certified ABAP add-on for SAP Solution Manager – SAP Solman) provide the developers and functional consultants with ways to quickly simulate the interfaces of any 3rd party, non-SAP systems as well as B2B partners – EDI. This allows not only to quickly run test scenarios during the development (DEV) and integration (SIT) phases of the project but also to run the regression testing in any non-productive environment. This allows the **SAP S/4HANA** transformation projects to be more sustainable as projects use fewer resources and can be done much faster.



Simulation of 3rd-party non-SAP systems to speed up SAP S/4HANA testing

Benefits of using **Service virtualization** solution like **Int4 Messenger** include:

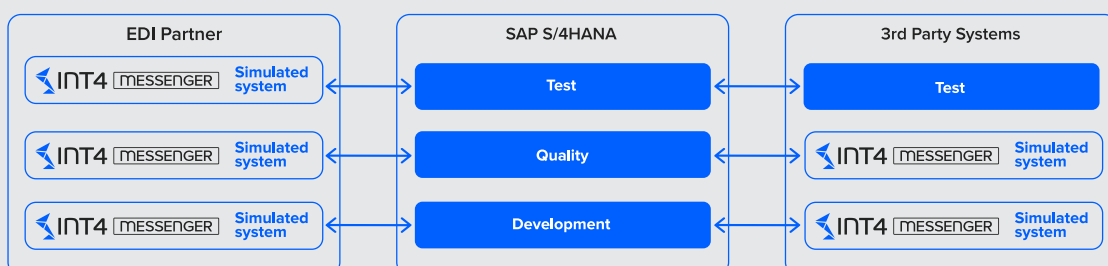
- ▶ Significant decrease in testing time during development (DEV) and integration (SIT) testing phases of the project.
- ▶ Cost avoidance – since most of the test landscapes for **3rd party** systems can be simulated, **SAP S/4HANA** projects can reduce the overall project costs and make them more sustainable compared to the traditional approach.
- ▶ Early defect detection – with **Int4 Messenger** SAP developers and Functional consultants can run a much larger number of tests which directly leads to early defect detection.



Who can use **Int4 Messenger** for **SAP S/4HANA** transformation programs?

Service virtualization can prove to be extremely beneficial for these stakeholders of a typical **SAP S/4HANA** transformation program:

- ▶ SAP functional consultants – most of their business processes run across multiple systems and B2B partners. Being able to retest those SAP business processes quickly and without going out of the SAP environment speeds up the testing of any SAP customizing and, in many cases, allows it to continue the project while **non-SAP** system resources are not yet ready.
- ▶ ABAP and SAP interface developers – IDOCs, ABAP proxies, SAP interface development on the SAP Process Orchestration, SAP Integration Suite, Boomi, Webmethods cannot be tested without having tons of real messages. **Int4 Messenger** allows capturing messages from any landscape and rerunning them easily on development landscapes.
- ▶ Project Management and release/cutover management – **Service virtualization** allows them to coordinate test or release cycles that involve many 3rd party non-SAP applications in a few days
- ▶ Testing teams – 3rd party non-SAP applications in most cases never change that much, not to mention their API which they use to communicate with **SAP S/4HANA** systems. Forget about testing them manually and put more attention on the core **SAP S/4HANA** system testing.



Simulate EDI partners and non-SAP 3rd party systems