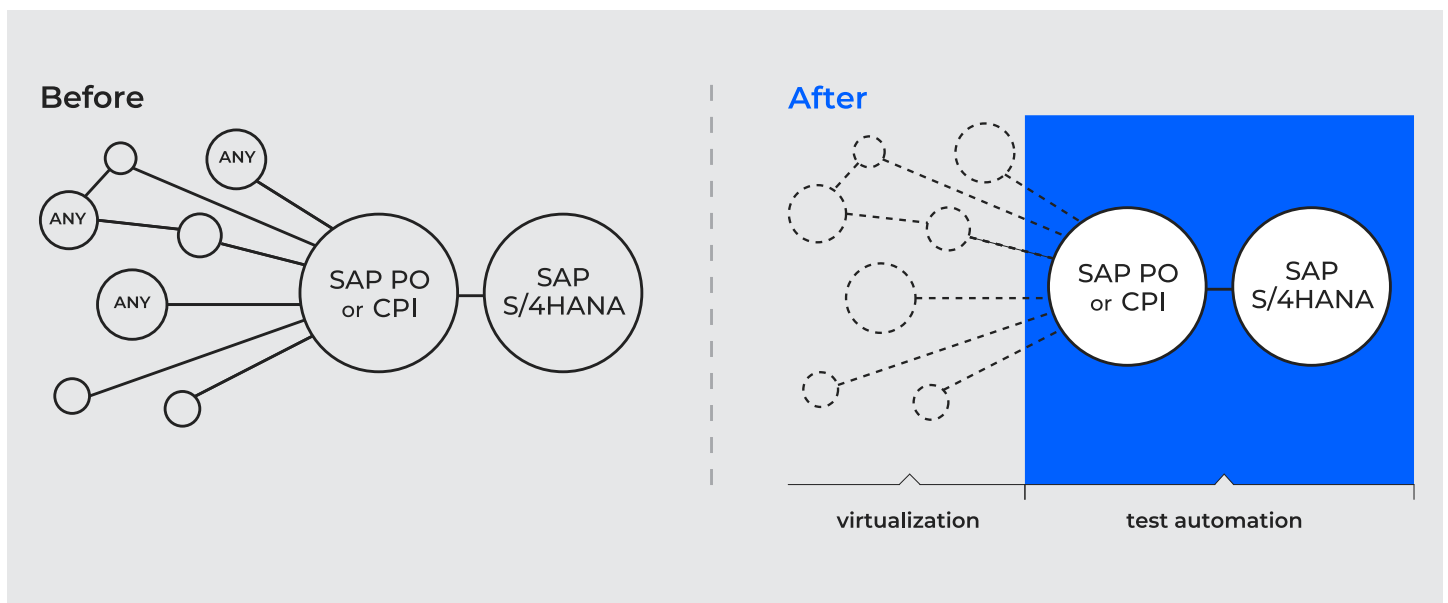


# API Testing solutions - Codeless test automation for SAP systems integration

## Challenge Accepted

Enterprise Integration of SAP systems is often based on reusing existing components and that requires 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.

**Int4 APITester** is a market leader in SAP centric automated integration testing.



## Benefits

- ▶ **Quick return** based on significant time and resource reduction
- ▶ **Shift left** defects or issues identified much quicker thanks to continuous testing
- ▶ **Increased trust and reliability** in entire system landscape
- ▶ **Fast adoption** of business needs

# Key Differentiators

- ▶ **Minimal effort** of creating test cases using the Repeater® functionality:  
case creation based on existing middleware messages and corresponding S/4HANA business documents.
- ▶ **Freedom of testing** by service virtualization:  
the 3rd party systems are no longer needed to perform SAP landscape testing.
- ▶ **No additional hardware is required.** Int4 API Tester is a certified SAP Add-on.  
Deployed on SAP Solution Manager or other ABAP based system.
- ▶ **Process-oriented.** One-click to test a complex business scenario consisting of several test cases.  
Integrated with external testing software like HP UFT or Tricentis Tosca and SAP eCATT.
- ▶ **Automated execution** of thousands of test cases is a matter of minutes not days.
- ▶ **Complete testing scope.** Validation of both the SAP PI/PO and SAP S/4HANA backend.
- ▶ **Business-oriented.** Compares the final results of an interface (e.g. posted accounting documents or created logistics documents) in addition to checking the content of messages.
- ▶ **Simplification Integration** is no more a black hole. Perform testing by testers, not SAP integration experts.  
On the other hand, allow integration experts to test themselves without functional or process knowledge.

# Use Cases

**Int4 APITester** might be used in multiple fields of exploration both by project and maintenance teams.  
The most common applications are:

- I. SAP Process Orchestration migrations and upgrades:** The nature of such projects is purely technical, but still requires extensive testing. Int4 API Tester enables closing testing in hours. Similarly, the SAP Cloud Platform Integration updates also require attention. The cloud software is released based on the vendor schedule, so the test plan is usually very tight.
- II. Implementing DevOps:** With Int4 API Tester you can build a framework for continuous testing in the area of SAP systems Integration. By daily regression testing, you can significantly limit the defect solving costs (shift left) and increase the pace of production deployments with minimal risk. The failures might be automatically reported in the defect management systems like SAP Solution Manager CHARM or Service Now. Int4 API Tester provides an API that might be integrated with CI/CD pipelines.
- III. Migrations from one middleware to another or SAP AIF Implementation:** Similarly to upgrades, migration from one middleware to another is a technical job. It might be a very beneficial decision from an ROI perspective but requires a lot of retesting. From a business point of view, there are no changes - the Test-Driven Development (TDD) approach can be followed. Test cases are created in the old platform and the same data is executed on the new one.
- IV. SAP S/4HANA conversions:** There is never enough time and resources for testing. Int4 API Tester jumps in and automates the testing of all interface-related scenarios. It also enables the massive creation of IV. documents that might be used for testing other business processes.
- IV. SAP Rollouts:** One of the critical paths in the integration area of SAP rollout projects is assuring that the changes and new functions in V. application interfaces do not impact live sites.