

Interface Testing Tool

Codeless test automation for SAP systems integration

Tests i.a. SAP Process Orchestration (SAP PO), SAP Cloud Platform Integration (SAP CPI) and backend interface implementation in SAP S/4HANA.



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 IFTT is a market leader in SAP centric automated integration testing.

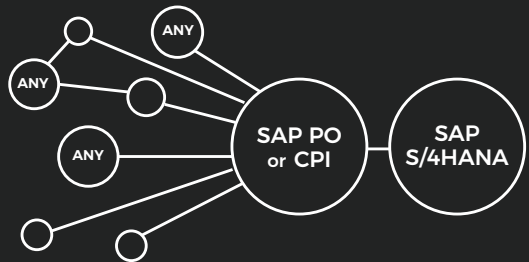
It strengthens DevOps by ensuring the quality of every change introduced to application interfaces.

It significantly **reduces the risk** of introducing changes in the area of SAP Integration and offers tremendous **time and costs savings** throughout different testing phases.

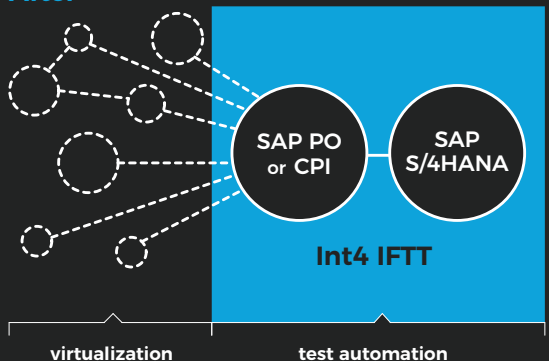
Int4 IFTT fills the gap for automated testing in the area of SAP integration and can be integrated and used in parallel with other Testing Suites.

Instead of simple API testing, we have a unique approach for an end to end application interface testing, that covers full SAP landscape, all technical and business components.

Before



After





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.



Automated execution

of thousands of test cases is a matter of minutes not days.



Freedom of testing

by service virtualization: the 3rd party systems are no longer needed to perform SAP landscape testing.



Complete testing scope

Validation both of the SAP PI/PO and SAP S/4HANA backend.



No additional hardware is required. Int4 IFTT

is a certified SAP Add-on. Deployed on SAP Solution Manager or other ABAP based system.



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.



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.



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.

► Benefits



Quick return

on investment based on significant time and resource reduction



Shift left

defects or issues identified much quicker thanks to continuous testing



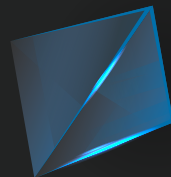
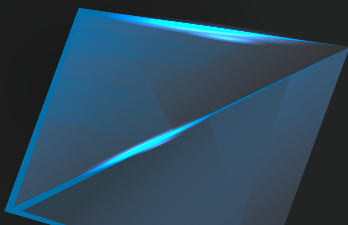
Increased trust and reliability

in entire system landscape



Fast adoption

of business needs



Use cases

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



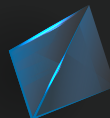
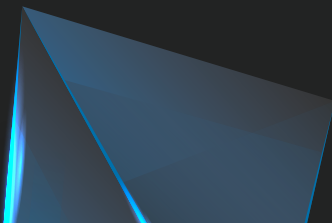
SAP Process Orchestration migrations and upgrades: The nature of such projects is purely technical, but still requires extensive testing. **Int4 IFTT** enables closing testing in hours. Similarly, the **SAP Cloud Platform Integration** updates also require attention. The cloud software is released based on the vendor schedule, so the test plan is usually very tight.



Implementing DevOps: With **Int4 IFTT** 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 IFTT provides API that might be integrated with CI/CD pipelines.



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 IFTT** jumps in and automates the testing of all interface-related scenarios. It also enables the massive creation of documents that might be used for testing other business processes.

V.

SAP Rollouts: One of the critical paths in the integration area of SAP rollout projects is assuring that the changes and new functions in application interfaces do not impact live sites.



References

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Int4 and their continuous automated interface testing approach allowed us to perform reimplementation of our core application interfaces to SAP without high business involvement. The business risk & downtime were minimized and the implementation and testing phases were around 10 times shorter comparing to the classical approach.

**Mohamed Chikhaoui, SAP Program Manager,
Mercuria Energy Trading**

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Testing with Int4 IFTT has nowadays become a significant part of our roll-out methodology as the product fully met our requirements and expectations. I strongly recommend it as an ultimate interface testing solution.

**Gernot Weise, SAP ERP IT Project Manager,
Panalpina**

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Featured customers



SAP® Certified

Integration with SAP® S/4HANA



About Int4

Int4 is an SAP Partner and a market leader in test automation of SAP systems integration. We have proven field experience in consulting and delivery of the biggest integration projects.

Int4 mission is to make the SAP ecosystem better. Our experts are SAP Press book authors and **two of us** are SAP Mentors.

For more information, contact Int4at contact@int4.com
or visit www.int4.com/iftt