



USE CASE:

Implementing continuous testing in SAP Integration



Testing needs

IT Industry Fact:

- 35% of development cost is testing expense. Multiple studies prove that testing account for 30-40% of development cost in general IT projects.
- For SAP integration is it about the same.
- Bug fixing requires even more testing, to ensure nothing breaks.

Business Impact:

- Failure is not an option
- Impacts relationship with partners
- Legal Consequences
- Cost money
- Support cost
- Fixing problem again
- Change management
- Lost time with business

Testing needs

Problems to be solved:

- Not enough Testing coverage, Focus more on UI and E2E testing. Middleware is ignored or remain untested
- Introduction of Agile and DevOps methodologies
- Manual testing is time consuming. Need to understand how to ensure data is correct, requires access to remote systems. Need to involve functional and technical partners
- Knowledge transfer between project and support teams

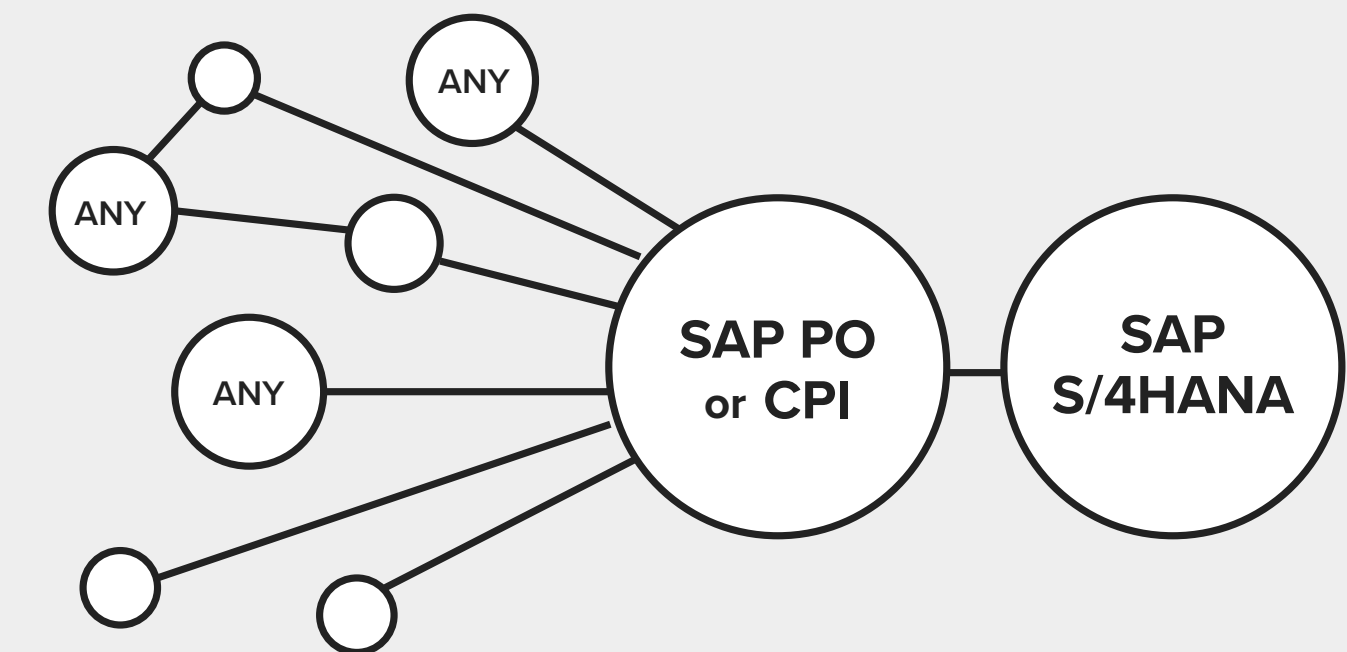
Implementing continuous testing in SAP Integration

Test automation with Int4 IFTT will enable fast pace of production deployments assuring high quality and faultlessness. Apart initial automation it requires a process that will assure that the test cases repository would be always up-to-date.

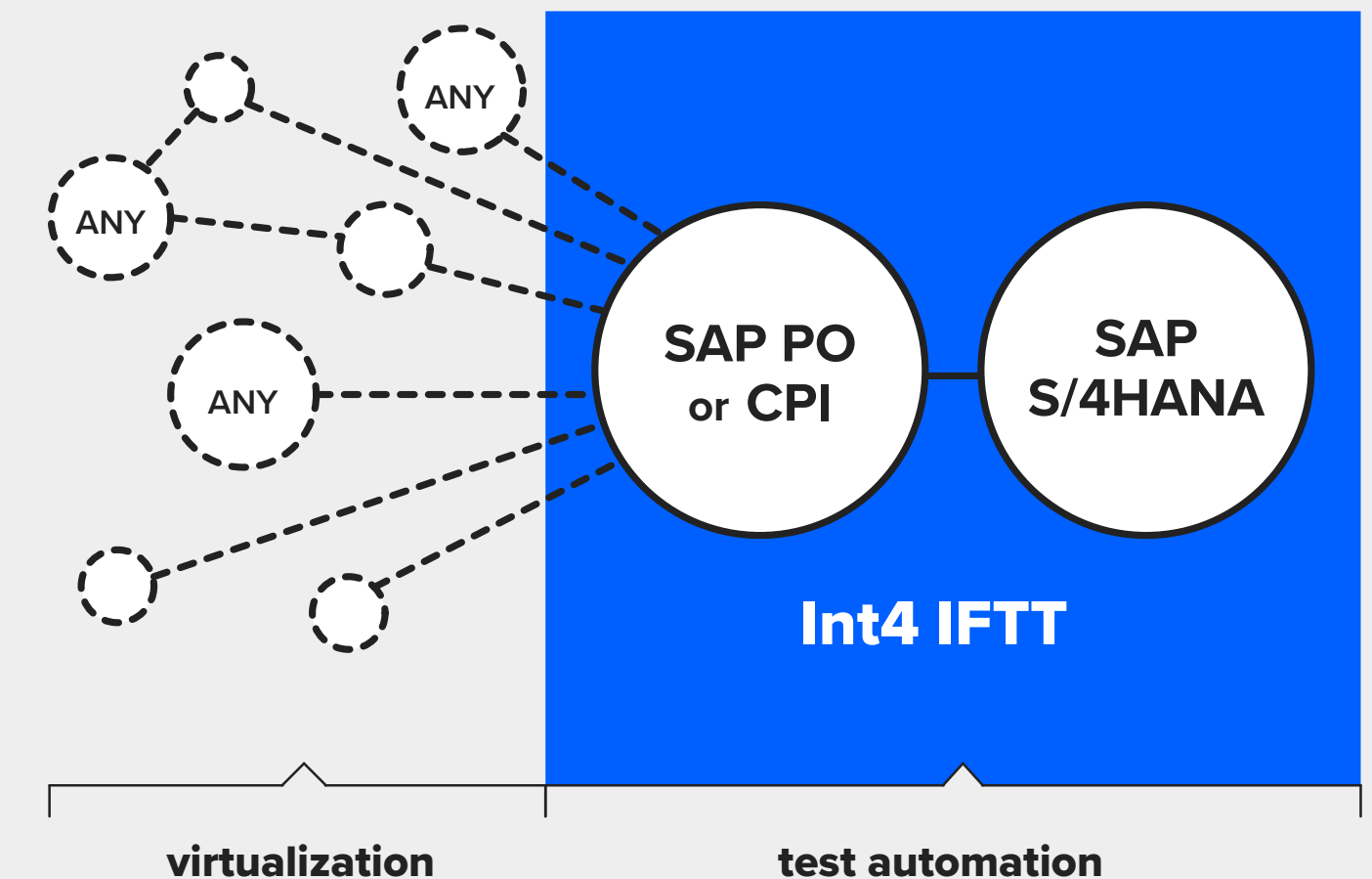
Int4 IFTT enables continuous testing by:

- **Repeater:**
Time for Creation of test cases minimized to minimum by reusing existing messages.
- **Freedom of testing:**
3rd party systems and resources are not needed to conduct SAP testing of application interfaces.
- **Shift Left:**
Test your change directly on development system with production data.
- **Running** in background thousands of TCs per night.
- **Integration with Ticketing systems** like SAP Solution Manager or Service Now.
- **Business oriented** – validates interface implementation in SAP PO, CPI as well as S/4HANA.

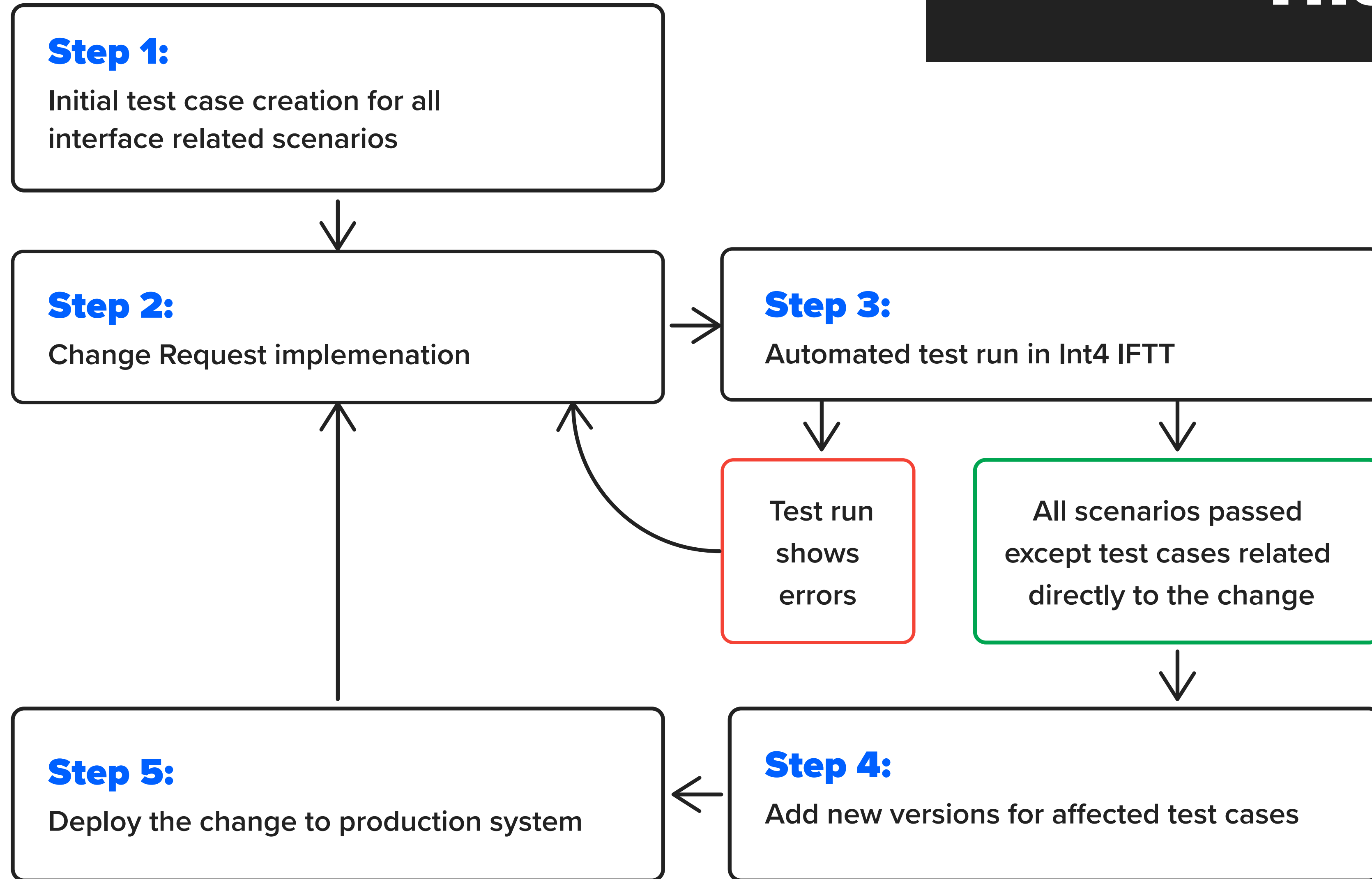
Before



After



The process



Business Value to customer

Time to market

- Up to ~20% faster Time to Market – with shorter QA cycles and Left Shifting Testing
- Enables DevOps and Agile implementation

Productivity

- Test execution cycle 3-4 hours only with 100% coverage
- Regression suite can be executed multiple time as per business need
- Elimination of manual error and test data / Environment dependency

Quality

- 100% test coverage in any execution cycle ~30% reduction in defects slippage, due to increased test coverage
- Enables significant early defect detection
- Improved confidence of quality - One Scenario can be tested with multiple test cases

Cost optimization

- Cost of Quality improvement - due to early defect identification & fixing
- Cost reduction for manual execution

For more information visit our website:

www.int4.com/iftt

