

The challenge

In most cases, SAP systems are at the center of a company’s business and consequently in extensive use.

An ongoing process of modifications evolves from bug fixed, customized configurations and programs, as well as the rollout of new functions. This process is further intensified by hot fixes, service packs and upgrades that must be installed.

Extensive testing of the modified systems not only is an explicit recommendation of SAP but is also increasingly stipulated by various regulations (Compliance, EURO-SOX). However, the tests are rather fragmentary in practice due to the amount of effort involved in the process.

TRICENTIS has consolidated its experiences from a wide variety of operational test projects in SAP environments. The concepts and their recommended implementations are now available in one bundled solution: TOSCA@SAP.

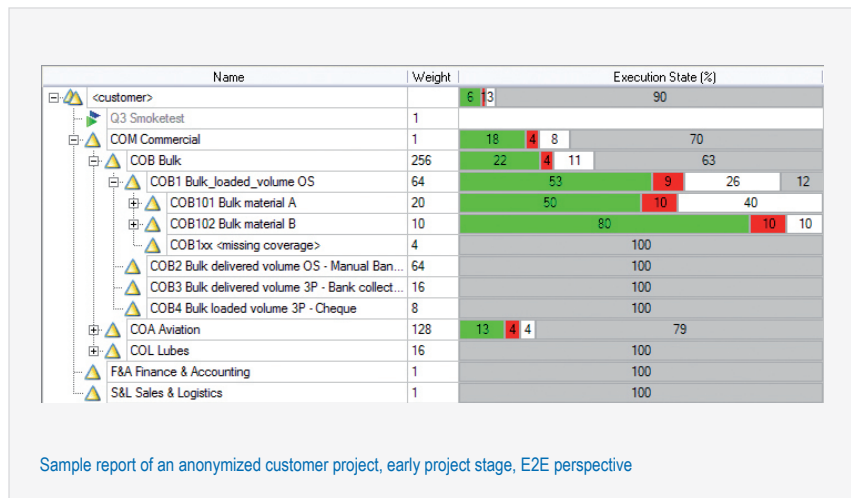
TOSCA@SAP allows for highly efficient and methodologically profound test processes, assisting you in mastering all the challenges.

Presenting the test results

Test reports are the test manager’s instrument to deliver the required statements regarding the status of the SAP system under test.

TOSCA@SAP offers optimized reports for the various SAP-specific test levels (SAP unit test, integration test, user acceptance test) as well as the different stages in the life cycle of functions (development or customization, operational phase).

The heart of the solution is the Business Process Master List (BPML). Based on the defined processes (BPML units), test cases are created, automated and executed. The results are weighted by their risks and summarized in comprehensive reports.



Sample report of an anonymized customer project, early project stage, E2E perspective

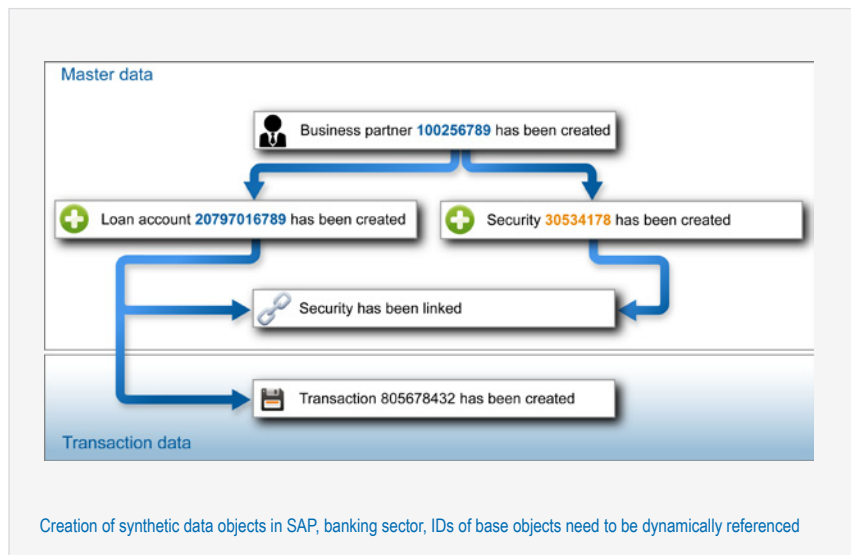
Test data

TRICENTIS has developed a process for providing dynamic, synthetic test data. This process has also been proven in SAP environments. TOSCA’s readily applicable components allow you to create test data structures and histories of any given complexity. The major advantages of this test data concept:

- Perfect fit – no laborious search for test data
- Optimal basis for test automation
- No issues with obsolete data
- No anonymization issues

TOSCA Testsuite™

- Test case creation and optimization on a methodological basis
- State-of-the-art test data concepts
- Test management from requirements to test reports
- Functional testing for graphical interfaces (GUI) and non-GUI interfaces (WebServices, IDocs, EDIFACT, WebSphere MQ, ...)
- Automated and manual testing
- Dynamic generation of commands minimizes the maintenance effort
- Modular architecture: easy to customize and extend
- Suitable for specialized business users (KeyUser)
- Cross-platform testing



Creation of synthetic data objects in SAP, banking sector, IDs of base objects need to be dynamically referenced

Automated tests in SAP environments

TOSCA offers the most powerful steering capabilities for conventional SAP GUIs available on the market. TOSCA has proven its power by successfully tackling previously unresolved and critical problem areas in large-scale SAP projects – areas which only TOSCA has been able to cover comprehensively.

In addition, TOSCA allows you to steer SAP elements displayed in browsers, as well as a multitude of increasingly important non-graphical user interfaces (IDocs, WebServices, EDIFACT, etc.).

It makes it possible for business specialists (KeyUsers) to be involved in the test automation process without requiring programming skills – both in GUI and non-GUI SAP environments.



Transaction Kit

TRICENTIS has found that its customers' SAP implementations include a substantial number of recurring transactions.

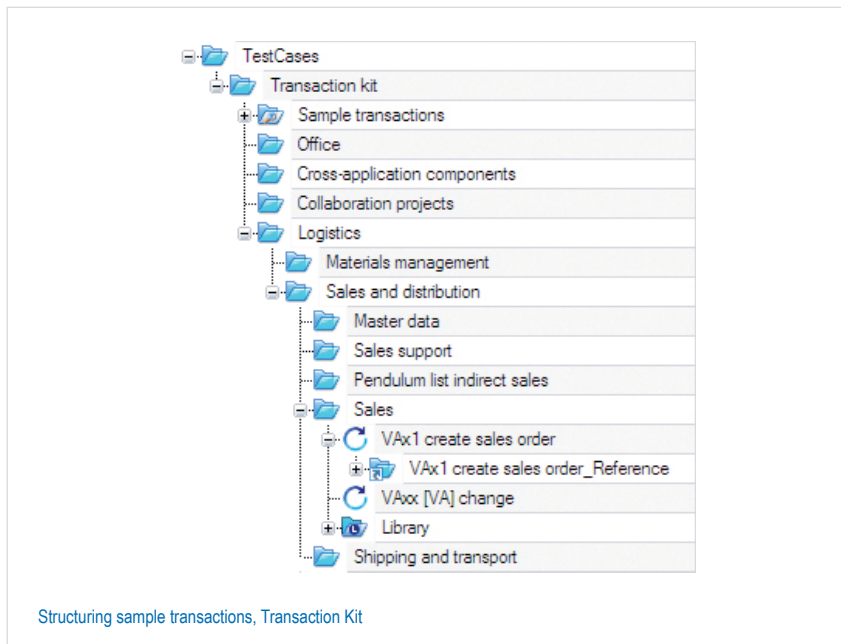
TRICENTIS' Transaction Kit follows up on this and provides automated sample transactions which customers can fill with their own data to create automated test cases in no time at all.

TOSCA and the SAP Solution Manager

TOSCA@SAP largely covers requirements management and defect tracking via the SAP Solution Manager (SMI).

TOSCA offers the following main integrations with the SAP Solution Manager:

- The possibility to import requirements from the Business Process Master List
- Synchronizing defects in TOSCA with the Solution Manager



Structuring sample transactions, Transaction Kit

The Benefits

- Fast setup of ideal report structures for your project by using templates
- 80 % reduction of efforts in test case automation with the Transaction Kit
- 70 - 80 % reduction of maintenance efforts with TOSCA's Business Dynamic Steering
- Productive integration of staff without programming skills on all levels of the test process
- Integration with the SAP Solution Manager

Contact

Headquarters
TRICENTIS Technology & Consulting GmbH
Leonard-Bernstein-Straße 10
1220 Vienna, Austria

Email: office@tricentis.com

If you need more information on subsidiaries and/or our contact details, please visit our homepage:
www.tricentis.com | www.tosca-testsuite.com

