SAP Solution Manager 7.2 Test Suite Integration with Tricentis Tosca

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Purpose of Document

- The purpose of this document is to describe integration between SAP Solution Manager 7.2 Test Suite and Tricentis Tosca Test Automation.

- Tricentis Tosca integration with SAP Solution Manager 7.2 not only helps you create and execute automated Test Cases for SAP and Non-SAP Applications, but also exchange integrated test data from Test Data Container (TDC), and consolidate reporting.

- Dynamic TBOMs can be recorded via the Test Configuration with the help of Tricentis Tosca during the ad-hoc or scheduled execution.
SAP Solution Manager and Tricentis Tosca - Integration Flow Overview

**Design Time**
- Creation of Test Configuration
- Integration of Test Data from Test Data Container (TDC)

**Execution Time**
- Generation of Dynamic TBOMs via the Test Configuration
- Performing Ad-Hoc Executions
- Performing Scheduled Executions
- Automated Tests for SAP and Non-SAP Applications
- Test Data Selection from TDC

**Analytics**
- Reporting of Test Results with Test Execution Analytics
- Tosca Test Execution Logs and Tosca Analytics

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SAP Solution Manager and Tricentis Tosca - **Integration Flow Overview**

### Design Time
- **Test Configuration Creation**
- **Automated Test Cases Creation**
- **Test Data Container (TDC) Integration**

### Execution Time
- **Start Execution Ad-Hoc or Scheduled**
- **Test Execution for SAP and Non-SAP Applications**
- **Reporting of Test Results**

### Generation of Dynamic TBOMs
- **Start Execution via Test Configuration**
- **Test Execution for SAP Application**
- **TBOM Recording Available**

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Design Time: **Creation of Test Configuration**

1. Navigate to SAP Solution Documentation

2. Define test configuration attributes

3. Test Composition Environment - Launch Tricentis Tosca

4. The connection between the two tools is established

5. Create your test automation
   All system-relevant information are available
Design Time: **Integration of Test Data from Test Data Container (TDC)**

1. The Test Data Assignment Wizard to link the Test Data Container (TDC) to the Test Configuration

2. In Tosca, select the data which will be replaced in your Test Case based on data from TDC

3. Create Test Parameters (Import/Export)

4. The Test Parameters are available on both sides
Execution Time: **Generation of Dynamic TBOMs via the Test Configuration**

1. Assign Test Configuration for TBOM generation

2. Active TBOM recording for execution with Tosca

3. Get Dynamic TBOM generated with help of Tosca
Execution Time: Performing Ad-Hoc Executions

1. Navigate to SAP Solution Documentation

2. Choose the right test configuration and execute

3. Tricentis Tosca will perform automated execution
Execution Time: **Performing Scheduled Executions**

1. Navigate to My Tester Worklist -> Choose the right Test Plan and Test Package -> Run tests with Tricentis Tosca
Execution Time: **Automated Tests for SAP and Non-SAP Applications**

1. Tricentis Tosca supports a wide range of technologies ranging from API and UI to Web and Mobile - 40+ technology adapters

2. All of them can be combined and included in one end-to-end Test Case, which will be executed directly from SAP Solution Manager

3. Distributed execution on several virtual machines to speed up the execution is possible
Execution Time: **Test Data Selection from TDC**

1. During the execution with Tosca, the Test Data from TDC will be taken into account and executed accordingly.
The ability to drill-down into logs generated by Tosca
Analytics: Tosca Test Execution Logs and Tosca Analytics

The results of execution can be reviewed either directly in Tosca Commander or in Tosca Analytics for the whole project.
Contact Us

Reach Out!

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