SAP Solution Manager 7.2 – Test Suite
Overview of Deltas for SSM 7.2 SPS 11

Product Management, CxS, SAP Labs France
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Agenda

1. SAP Solution Manager 7.2 – Test Suite Overview
2. SAP Solution Manager 7.2 Test Suite – Delta functionality for SPS 11
3. More Information
SAP Solution Manager 7.2 Test Suite
SAP Solution Manager - Test Suite
A full-blown application for manual / automated testing and change impact analysis

**Functional Scope**
- Manual and automated functional tests
- Automated change impact analysis of maintenance activities for test scope optimization of regression tests
- New requirements triggering semi-automated test planning for user acceptance tests and functional integration tests
- High degree of test automation possible
- Supports agile development approach within requirements-to-deploy process through Focused Build for SAP Solution Manager
- Seamlessly integrated with SAP Solution Manager Process Management, Solution Documentation, ChaRM, ITSM, …

**SAP and non-SAP Solutions**
- SAP Business Suite
- SAP S/4HANA (On-Premise, Cloud Edition)
- Non-SAP applications (On-Premise, Cloud)

**Integration**
- Test system refresh
- Partner: test data identification, validation and provisioning
- Partner: test automation tools

**Single Source of Truth**
- All related information in 1 central SAP Solution Manager system
- No complex data replications

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The Test Suite of SAP Solution Manager 7.2 is a comprehensive test solution fitting the needs for the vast majority of SAP customers
SAP Solution Manager – Test Suite
Capabilities

Solution Documentation
- Executable Library
- Process Step Library
- Business Processes

Change Impact Analysis
Test scope estimation before upgrade
Change and Effort Analyzer (SEA)

Test Cases
- Manual Tests
- Automated Tests

Test Plan Management
- Test Plan
- Test Packages
- Test Sequences
- Tester assignment

Test Execution
- Manual Test Execution
- Automated Test Execution
- Defect Management

Test Suite Analytics
- Gap reports
- Status reports
- Progress reports
- Dashboard

Test Data
SAP TDMS
- Lean test system setup and refresh

Test Data Container (TDC)
- Test data storage for manual and automated tests

DeceSoft DTD (test data identification, validation and provisioning)

Test Automation Framework
SAP Test Suite - CBTA (Component Based Test Automation)
- MicroFocus UFT
- WorkSoft Certify
- Tricentis Tosca
- other 3rd party

Supported UI technologies by CBTA: SAPGUI, WD-ABAP, CRM Web-Client, SAPUI5, Fiori, …
Partner test tools: SAP and non-SAP UI technologies
SAP Solution Manager - Test Suite

Test Suite for SAP S/4HANA

- SAP Solution Manager 7.2 – Process Management will be used to import SAP Best Practices and document business processes used in S/4HANA (On-premise or Cloud edition)
- SAP Solution Manager 7.2 – Test Suite will be used for manual and automated tests of implemented or changed business processes for all functional test types

- Business Processes are activated from SAP Best Practices and / or customer defined process implementation
- Business Processes are based on SAP standard software and optional custom code, modifications and integrated partner apps

- Business Processes are activated from SAP Best Practices plus limited extension options
- Business Processes are based on SAP standard software and optional extensions using white-listed APIs and partner apps
## Most Common Vendors for SAP-Centric Test Management

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<th>Micro Focus*</th>
<th>Other vendors</th>
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<td>Security Tests</td>
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### Legend
- SAP Solution Manager and complementing tools
- Alternative products with overlapping functionality to SAP Solution Manager (requires additional integration and on-going data replication)

* Former software division of Hewlett Packard Enterprise is now part of Micro Focus
SAP Solution Manager 7.2 – Test Suite
Delivers all you need

✓ **Tests for SAP and non-SAP**: covers SAP Business Suite, S/4HANA, Concur, Ariba, SuccessFactors, … and non-SAP solutions

✓ **On-premise, Cloud, Hybrid**: Supports functional tests for on premise, cloud and hybrid solutions

✓ **All under one Roof**: no integration setup and ongoing data replication required

✓ **Integration**: seamless integrates with project management, process management, change and release management, defect and incident management, custom code management

✓ **Requirements to Deploy**: Supports waterfall and agile development approaches, including Enterprise DevOps

✓ **Manual Tests**: Easy to use manual tests for business users

✓ **Automated Tests**: for all SAP and non-SAP processes – certified integration of market-leading partner test tools for test planning, execution and reporting

✓ **Test Data**: semi-automatically identify, validate and provide suitable test data for all tests

✓ **Change Impact Analysis**: reduce test scope based on software changes and smart calculations

✓ **Test Planning**: automatically proposes test plan fitting the needs of the upcoming test cycle

✓ **Analytics**: automatically provides full transparency of test status and test progress for all involved parties
Delta Functionality SPS 11
Overview for Test Suite
Test Suite innovations
Two main innovation streams

**User Experience**
- Usability
- Productivity
- Transparency
- Performance

**Automation**
- Automation Engine
- User Experience

3 Innovations based on the Customer Connect Program
Test Suite innovations
Two main innovation streams

User Experience
- Executable ID visibility
- Defect Info in Test Status History
- Defect creation warning message
- Performance improvement in history views
- Status change in Mass Test Plan Update
- Defaulting for descriptions in Mass update / Create application

Automation
- Status History for Automated Test Cases
- CBTA: Detection of unstable pages during recordings
- Test Automation: Execution without start options
- New tokens for CBTA
Test Suite innovations
Executable ID visibility

Description
The Executable ID is displayed as extra information.

https://influence.sap.com/sap/ino/#/idea/225078
(Process Management)

Details
• End users may better know the executable ID (transaction name) than its description.
• In addition to its test case description, the executable ID is now visible in the Manual Test Execution (MTE) and in Analytics.

Benefits
• Improved usability
• Increased productivity
Test Suite innovations
Defect Info in Test Status History

Description
Status history shows a readable ID for test defects.

Details
The status history now shows the readable incident ID after adding or removing a defect to or from a test status.

Benefits
• Improved usability
• Increased transparency
Test Suite innovations
Defect creation warning message

Description
A new warning message to inform tester to create a test defect.

Details
When the status within Manual Test Execution turns red or when the status is updated from the worklist, a warning reminds the user to document the results via a defect message.

Benefits
- Improved usability
- Increased transparency
Test Suite innovations
Performance improvement in history views

Description
Specify search criteria before searching test history.

Details
To avoid unnecessary processing time and performance issues when launching history (Test Plan, Test Package, Test Status), the search does not start immediately. You need to specify the search criteria first and then start the search.

This innovation was frequently requested via Customer incidents.

Benefits
- Improved usability
- Increased performance
Test Suite innovations
Status change in Mass Test Plan Update

Description
In the mass test plan maintenance, you can now change the test plan status of several test plans at once.

Details
• Before SP10, it was not possible to change the test plan status in the mass maintenance application.
• With SP10, the status field has been added in the list, and it can be changed line by line.
• With SP11, the status field has been added in the popup for “Maintain Attributes” where it can be changed at once on the selected lines.
• Only if no signature is required.

Benefits
• Improved productivity
Test Suite innovations
Defaulting for descriptions in Mass update / Create application

Description
Defaulting Personalization settings are now also used in the Mass update/Create applications.

Details
The personalization profile settings which allow you to copy the IDs into the descriptions are now also used in the mass update applications.

Benefits
• Improved user experience
• Increased productivity
Test Suite innovations
Status History for Automated Test Cases

Description
The status history can directly be started from the My Tasks – Tester Worklist and Review Tester Worklist applications.

Details
• The status history was previously only available in Manual Test Execution.
• It is now also available for automated test cases.

Benefits
• Improved usability
• Increased transparency
Test Suite innovations
CBTA: Detection of unstable pages during recordings

Description
CBTA: Detection of unstable pages during recordings.

Details
When the application you are recording with CBTA does not have stable IDs, it is not possible to replay the recording afterwards. You are now informed at the time of recording.

Benefits
• Increased transparency
• Increased productivity
Test Suite innovations
Test Automation: Execution without start options

Description

Execution without start options from Test Repository.

https://influence.sap.com/sap/ino/#/idea/227729

Details

The capability to execute an automated test case without the Start Option screen is now also available directly from the Test Repository.

Benefits

• Improved user experience
• Increased productivity
Test Suite innovations
New tokens for CBTA

Description
CBTA script supports additional tokens.


Details
Additional tokens are now available to be used in CBTA script for standard data:

- USER
- CLIENT
- SYSID
- LANG

Benefits
- Improve Automated Test Case Maintainability
- Increase productivity
SAP Solution Manager – Test Suite
More Information for Customers and Partners
Test Suite – more information for customers and partners

SAP Solution Manager WIKI – Test Suite

• Audience: customers and partners
• Positioning presentations
• How to configure and administration
• Tips and tricks
• Offline demos

SAP Solution Manager Learning Resources Overview

Build up your knowledge and skills

Available Learning Resources
From Interest to Expert Knowledge

Management Competence (Introduction)
- Overview Videos
- SAP Solution Manager for SAP S/4HANA

Core Competence (Key Value Chains)
- Overview Publication
- SAP Solution Manager Homepage (support.sap.com/solutionmanager)
- Focused Solutions: Ready-to-run solutions for SAP Solution Manager
- System Landscapes: Private Cloud System (CAL), Public Demo System, Internet Demo System
- Live Expert Sessions & e-Learnings: Get empowered by the SAP Enterprise Support Academy

Expert Competence (Functional Areas)
- Expert Publication: Monitoring and Operations with SAP Solution Manager
- Technical Documentation: Supported languages, browsers, and databases
- Expert WIKIs: Functional Areas Expert Content
- SAP Solution Manager Community: Blogs & Questions
- Classroom Trainings: Setup, configuration, and functional overview

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