SAP Solution Manager 7.2 – Test Suite

Overview of Deltas for SSM 7.2 SPS 10

Product Management, DBS, 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 10

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

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
- Test scope optimization during change events (fix, enhance, innovate, upgrade)

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

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# Most Common Vendors for SAP-Centric Test Management

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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 10
Overview for Test Suite
Test Suite SPS10 innovations
Overview of new functions

• Show test classification attribute
• Export of test packages or sequences
• Improve business partner search
• Improve test plan or package copy
• Show priority attribute
• Show executable
• Test note / result can be mandatory
• Copy test package / sequence to another test plan
• Support of global site
• Improve default filter mode
• Support of interface
• Test sequence copy can include test package
• Update of release status during mass update
• Automated test status manual maintenance
• New display mode in test reports
Test Suite innovations
Test classification attribute

Application: Test case hierarchy

View of test classification attributes in the test case hierarchy.

Details
- Available for both search and filter

Benefits
- Faster and easier Test Plan creation
- Increased productivity
- Improved user experience
Test Suite innovations
Test packages / sequences export

Application: Test plan management

Export test packages and test sequences from test plan.

Details
- Export format: .xlsx, .csv and .pdf

Benefits
- Easier way of sharing test data outside SAP Solution Manager
Test Suite innovations
Business partner search

Application: Test plan / package
The search for business partners to assign responsible or tester has been improved.

Details
- New filters have been added
- Locked business partners are no longer visible

Benefits
- Faster and easier Test Plan creation and edition.
- Increased productivity
- Improved user experience
Test Suite innovations
Test plan / package copy improvement

Application: Test plan copy

Within test plan copy, you can now adjust the test plan description and the test packages name and description automatically.

Details

- Find and replace capability on suffix or all occurrences
- Applicable to test plans only or test plans and test packages.

Benefits

- Faster and easier test plan creation and edition
- Increased productivity
- Improved user experience
Test Suite innovations
Priority attribute

Application: Tester worklist

The priority of each test is now displayed in the tester worklist to help testers decide which tests to perform first.

Details

- The worklist can be filtered or sorted on priority

Benefits

- Increased transparency on test priorities
- Improved user experience
Test Suite innovations
Executable visibility

Application: Tester worklist

Assigned executables are now displayed for each test in the tester worklist. Testers can use this to help decide which of them should perform each test, for example, based on the transactions that they are most familiar with.

Details

- Direct access to the executable from the test case executable pop-up

Benefits

- Increased productivity
- Improved user experience
Test Suite
Test note / result can be mandatory

Application: Manual test execution / Global settings

New option to specify that a tester must create a test note and/or test result entry if the test has a definitive status (red or green).

Details
- Testers will not be able to save without creating a test note and/or result

Benefits
- Ensure transparency
- Improved user experience
Test Suite innovations
Test package / sequence copy to another test plan

Application: Test plan management

New capability to copy a test package or a test sequence from one test plan to another.

Details

- Test plans must refer to the same solution
- Test package: only valid for nodes which are part of the target test plan. Limited to test packages which are not related to a test sequence
- Test sequence: valid only if all nodes relevant for the test sequence are part of the target test plan

Benefits

- Easier way to create new test package / sequence
- Increased productivity and improved user experience
Test Suite innovations
Global site

Application: Test plan management

During test plan creation, Global sites are supported for a site-enabled solution documentation branch.

Details
- Two creation options:
  - Select a specific site (as before)
  - Select the site “Global”. In this case, the hierarchy will only contain test cases which are valid for all sites

Benefits
- Improved support site concept support
Test Suite innovations
Default filter mode

Application: Test case selection
The default filter behavior in the Test Plan Management application has been improved.

Details
- The filter now uses the override mode for your initial search and then switches to append mode for any subsequent searches
- By default, in overwrite mode, nodes which were already selected will remain after the filtering

Benefits
- Faster and easier Test Plan creation and editing
- Increased productivity and improved user experience
Test Suite innovations
Interface support

Application: Test plan / package

Tests cases assigned to interfaces in process management are available in the test case hierarchy.

Benefits
- Leverage the existing Solution Documentation capability to provide a consistent documentation usage
Test Suite innovations
Test sequence copy can include test package

Application: Test plan management

New capability to copy a test sequence with its test packages.

Benefits

- Easier way to create new test sequence / packages
- Increased productivity
- Improved user experience
**Test Suite innovations**
Release status / Mass test plan update

**Application: Mass Test Plan Update**

During a mass test plan update, the release status can be changed.

**Details**
- Only valid for status which do not require a signature process

**Benefits**
- Increased productivity
- Improved user experience
Test Suite innovations
Flat list available in Test reports

Application: Test Plan / Packages – test case analysis

Data can be displayed as a list view instead of a tree view.

Benefits

- Improved user experience
Test Suite innovations
Automated test status manual maintenance

Application: Manual test execution / Global settings

New option to forbid test status changes for automated tests.

Details

- Using central settings, the test manager can decide to disable manual maintenance of test statuses for automated test cases
- Old behavior is still available by default

Benefits

- Ensure transparency
- Better system behavior
## Test Suite innovations

### Other improvements

- Performance improvement in Test Package UI
- Scheduled execution of sequenced test packages
- Testers can maintain Test Packages attachments when test execution is allowed within test plan
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


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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
- Overview Publication: SAP Solution Manager for SAP S/4HANA

Core Competence (Key Value Chains)

Expert Competence (Functional Areas)
- Expert Publication: Monitoring and Operations with SAP Solution Manager
- Technical Documentation: Supported languages, browsers, and databases

SAP Solution Manager
- Solution Manager Homepage (support.sap.com/solutionmanager)
- Product Videos, System Demos, Tutorials

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

Classroom Trainings
- Setup, configuration, and functional overview

Product Documentation
- Application Help, Release Notes, Installation, Upgrade, and Security Guides

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