SAP Solution Manager 7.2 – Test Suite
Overview of Deltas for SSM 7.2 SPS 08
Product Management, DBS, SAP Labs France
November, 2018
Agenda

1. SAP Solution Manager 7.2 – Test Suite Overview

2. SAP Solution Manager 7.2 Test Suite – Delta functionality for SPS 08
   - Cross Test Suite
   - Test Plan Management
   - BPCA
   - Test Automation
   - Analytics

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
- Scope 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

Scope and effort estimation before upgrade

Scope and effort optimization during change events (fix, enhance, innovate, upgrade)
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

<table>
<thead>
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<th>Category</th>
<th>SAP Solution Manager</th>
<th>Micro Focus*</th>
<th>Other vendors</th>
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<td>Application Lifecycle Management (ALM)</td>
<td>Tricentis Tosca Testsuite</td>
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**Legend**

- **Green**: SAP Solution Manager and complementing tools
- **Gray**: 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

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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 08
Overview for Test Suite
## Test Suite – SAP Solution Manager 7.2 – Delta SPS 08

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Cross Test Suite SPS 08 Delta features
SAP Solution Manager 7.2 SPS 08 - Test Suite

New Global Settings

Application: Administration

- New capability to define user personalization globally and to tune the system behavior.

Features

- Test Plan Management Settings
- Test Execution
- Notification for automated test execution
- Creation mode allowed for Test Note / Test Result creation

Benefits

- Allow to customize users globally.
- Keep flexibility but allow to improve consistency and harmonization
Application: My Tester Worklist

- Capability to update several tests in one operation.

Features

- Define Execution status
- Set Test Ended flag
- Add comment
- Set restrictions
- With options to keep existing status and comments

Benefits

- Increase the productivity.
- Improve the user experience.
Test Plan Management SPS 08 Delta features
**SAP Solution Manager 7.2 SPS 08 - Test Suite**

**Test Plan Management: New Test URL Document**

**Application: Test Plan Management**

- New test type: Test Document URL.

**Features**

- Test cases can be stored outside of Solution Manager (SharePoint, …)
- Test Document URLs are created in Solution Documentation and then used in Test Suite.
SAP Solution Manager 7.2 SPS 08 - Test Suite
Test Plan Management: Support of Process links

**Application: Test Plan Management**

- Support of Process links in Test Plan and Test Package.

**Features**

- Easy way to jump-in to another process in the hierarchy.

**Benefits**

- Leverage the existing Solution Documentation capability to provide a consistent documentation usage.
SAP Solution Manager 7.2 SPS 08 - Test Suite
Test Plan Management: Mass Copy

Application: Test Plan Management
• Mass copy of test plan.

Features
• Create several test plans from the same source in one run.

Benefits
• Allow to easily reuse existing test plan contents.
• Increase the productivity.
• Improve the user experience.
SAP Solution Manager 7.2 SPS 08 - Test Suite
Test Plan Management: Test Package List enhancement

Application: Test Plan Management

• New information about the test package testers.

Features

• Number and tester names are available.
• Quick Tester Assignment is available from the test package list.

Benefits

• Improve visibility on tester assignments.
• Improve the productivity.
Application: Test Plan Management

- Direct assignment of test case and test plan attachment to test packages and sequences.

Features

- From test plan hierarchy:
  - test cases can be assigned to test packages.
  - test cases can be assigned to test sequences.
  - test plan attachment can be assigned to test packages.

Benefits

- Dramatically simplified process.
- Increase the productivity.
- Improve the user experience.
Application: Personalization – Test Suite

- New settings are available in user profile.

Features

- Define rules for hierarchy level on display and edit mode.
- New default planned end dates are available.

Benefits

- Faster and easier Test Plan creation.
- Increase the productivity.
- Improve the user experience.
BPCA / SEA SPS 08 Delta features
Application: Administration - Change Impact

Analysis

• New default option for semi-dynamic TBOM creation.

Features

• Create only SCMON TBOM without any fallback to UPL TBOM or Static TBOM (if SCMON data is available)
• Reduce TBOM storage space significantly

Benefits

• More accurate semi-dynamic TBOMs.
• Less DB usage
Application: BPCA

- Implementation of SAP NetWeaver ILM (Information Lifecycle Management) object for BPCA and SEA.

Features

- Allow BPCA / SEA data deletion.
- Reduce BPCA / SEA storage space.
Test Automation  SPS 08 Delta features
Application : Test Automation client

• Creation of new test case is now possible on closed productive clients.

Benefits

• Better support of customer security policy.
• Productive clients do not need to be open any longer.

Notes

• 2653550
• 2653642
• 2658364
Test Suite
Test Automation: Enhanced Self Checks

Application: Test Composition Environment

- Direct links to the Self Checks.
- Extended Self Checks

Features

- Provides a comprehensive list of checks for:
  - Solution Manager itself
  - The Front-end Components
  - The System Under Test

Benefits

- Immediate overview of a given system for automation.
- Easy troubleshooting.
Application: Test Automation

- Include Message Texts in the CBTA execution log.

Benefits

- Improve the log readability.
- Ease the troubleshooting in case of script failure.
Test Suite Analytics SPS 08 Delta features
SAP Solution Manager 7.2 SPS 08 – Test Suite Analytics

**Analytics: Execution Documents**

**Application: Test Suite Analytics**
- View of test note / test result existence

**Feature details**
- Test note and test result existence is visible from:
  - Test plan – Test Package Analysis
  - Test Plan – Test Case Analysis
  - Test Package – Test Case Analysis
- The execution document overview can be opened to see the document list.
- The document can be signed.

**Benefits**
- Immediate overview of documents which need to be signed.
- Increase the productivity.
Application: Test Plan Status Details

- Test sequence details are shown in Multiple test Plan Status Details.

Feature details

- Sequence order and ready to test status are reported.

Benefits

- Better overview of sequences status for Test manager.
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

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<tr>
<th>Resource</th>
<th>Description</th>
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<tr>
<td>YouTube</td>
<td>Access to a variety of videos and webinars.</td>
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<tr>
<td>SAP Books</td>
<td>Access to expert publications and training materials.</td>
</tr>
<tr>
<td>SAP.com</td>
<td>Official SAP website with the latest information and resources.</td>
</tr>
<tr>
<td>SAP Support Portal</td>
<td>Access to technical documentation and support for SAP users.</td>
</tr>
<tr>
<td>Media Center</td>
<td>Resources such as webinars, blogs, and case studies.</td>
</tr>
<tr>
<td>SAP Community</td>
<td>A platform to connect with experts and peers.</td>
</tr>
<tr>
<td>SAP Demo Systems</td>
<td>Access to demonstration systems for hands-on learning.</td>
</tr>
<tr>
<td>SAP ES Academy</td>
<td>Comprehensive training programs for SAP professionals.</td>
</tr>
<tr>
<td>SAP Education</td>
<td>Educational resources and programs.</td>
</tr>
<tr>
<td>SAP Help Portal</td>
<td>Access to SAP support and troubleshooting resources.</td>
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## Management Competence (Introduction)

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<th>Resource</th>
<th>Description</th>
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<td>videos related to SAP Solution Manager.</td>
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<tr>
<td>Virtual Roadshow</td>
<td>Interactive presentations and demonstrations.</td>
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## Core Competence (Key Value Chains)

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<th>Resource</th>
<th>Description</th>
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<td>Overview Publication</td>
<td>Overview of SAP Solution Manager for SAP S/4HANA.</td>
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<tr>
<td>Overview Information</td>
<td>Detailed information about SAP Solution Manager.</td>
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<td>SAP Solution Manager Homepage</td>
<td>Access to SAP Solution Manager documentation and resources.</td>
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<tr>
<td>SAP Solution Manager Media Center</td>
<td>Product Videos, System Demos, Tutorials.</td>
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## Expert Competence (Functional Areas)

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<th>Resource</th>
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<td>Expert Publication</td>
<td>Monitoring and Operations with SAP Solution Manager.</td>
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<td>Technical Documentation</td>
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<td>Expert WIKIs</td>
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<td>SAP Solution Manager Community</td>
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<td>Classroom Trainings</td>
<td>Setup, configuration, and functional overview.</td>
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