Focused Build for SAP Solution Manager 7.2 – Test Suite
How-To Guide for SPS 00 and selected SPS 01 features

September 08, 2017
Solution Management, SAP Solution Manager, DBS, SAP SE
Agenda

Introduction

- Focused Build for SAP Solution Manager
- Test Suite Overview and test management processes for innovation / transformation processes
- Test Suite capabilities for Focused Build – SPS 01 Delta Functionality - Overview

Test Suite capabilities provided by Focused Build for SAP Solution Manager 7.2

- Check Report: prerequisites and authorizations
- Test Case creation within change-controlled Development Branch
- Assignment Analysis and Test Plan Generation
- Test Plan assignment to Project
- Test Step Designer
- My Test Execution
- Integrated Defect and Defect Correction
- Manage Tester assignments
- Test Suite Dashboard
SAP Solution Manager 7.2

Focused Build for SAP Solution Manager
SAP Solution Manager 7.2 in a nutshell

SAP Solution Manager 7.2 supports 4 key value scenarios

- Portfolio to project
- Requirement to deploy
- Detect to correct
- Request to fulfill

Value scenarios – lifecycle view
SAP Solution Manager Integration Model

Three Different Change Paces in Requirement to Deploy

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<th>Innovate</th>
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<td>Trigger</td>
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<td>Scope</td>
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<td>Trigger</td>
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<td>Process Impact</td>
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<td>Individual</td>
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<tr>
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<td>Bundled with release</td>
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- **Fix**
  - Trigger: Business disruption or standard change
  - Scope: Small
  - Process Impact: None
  - Approval: Individual
  - Deployment: Unbundled on request or bundled with release

- **Enhance**
  - Trigger: Improvement request
  - Scope: Medium
  - Process Impact: Minimal
  - Approval: Individual
  - Deployment: Bundled with release

- **Innovate**
  - Trigger: Transformation projects, new solutions
  - Scope: Large
  - Process Impact: Significant
  - Approval: Pre-Approved
  - Deployment: Bundled with release

Portfolio to Project

- **Fix**
  - Detect to Correct
  - Requirement to Deploy

- **Enhance**
  - Request to Fulfill
  - Requirement to Deploy

- **Innovate**
  - Requirement to Deploy
  - Detect to Correct

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Manage Customer Innovation and Transformation Projects
with SAP Solution Manager 7.2 and Focused Build

Possible project types
- Digital Transformation projects including Custom Code adjustments
- Implementation of new business processes
- Extension of existing business processes
- Integration of additional applications

SAP Solution Manager 7.2 includes all capabilities to manage innovation and transformation projects. Focused Build is a turn-key solution to manage agile development projects.
Focused Build for SAP Solution Manager

Requirements to Deploy

- Requirements Management within process models
- Agile development projects: from Sprint to Release
- Modern applications with high usability for all involved roles
- Project governance with automated status reporting

Focused Build is a turn-key solution to manage agile development projects
Test Suite embedded in the R2D Process

Business Processes, Requirements and links to Process Steps

1. **Business Processes** with assigned Process Steps and Executables.

   Approaches to create Business Processes
   - SAP Best Practices
   - SAP Model Companies
   - Custom defined and modeled business processes

Solution Documentation

- **E2E Business Processes**
  - E2E BP 1

- **Modular Processes**
  - Business Process A
    - Process Step 1
    - Process Step 2
  - Business Process B
    - Process Step …

- **Process Step Library**
  - Area - Process Steps

- **Executable Library**
  - ACH - Executables

Requirements Management

- Requirement 1
- Requirement 2
- Requirement 3

2. **Requirements** defined by LOB business users, business process experts, or key users
   - Req definition within Solution Documentation
   - Visibility of Req within Process Diagrams

3. **Requirements** linked to Process Steps

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Test Suite embedded in the R2D Process
Requirement (REQ) – Work Package (WP) – Process Steps in Solution Documentation

User activities
1. Requirements Management: Create Work Packages (WP) for Requirements (REQ with n:m relationship)

Note: WPs are linked to Solution Documentation nodes indirectly through the existing link of REQ to Process Steps
Test Suite embedded in the R2D Process
Solution Documentation nodes – Functional Spec – Work Package

User activities
1. Requirements Management: open Work Package – Tab Solution Documentation
2. WP – Tab Solution Documentation: create and assign functional Spec to Process Step for which REQ / WP exists (Req type „Gap“)

Notes:
• Best Practice: 1 functional Spec for each WP
• functional Specs for Req. of type WRICEF can be assigned at Executable Library level as well
Test Suite embedded in the R2D Process
Work Package – Work Item – Project / Release – Wave - Sprint

Solution Documentation

E2E Business Processes
- E2E BP 1

Modular Processes
- Business Process A
  - Process Step 1
  - Process Step 2
- Business Process B
  - Process Step ...

Process Step Library
- Area - Process Steps

User activities

1. Requirements Management:
   Creation of 1-n Work Items for each Work Package

2. Project Management: Definition of Project (Release), Waves and Sprints and associated timelines

3. Project Management: assignment of
   1. Work Packages to Wave
   2. Work Items to Sprints
Test Suite embedded in the R2D Process
Single Functional Tests (SFT) and Functional Integration Tests (FIT)

User activities

1. Solution Documentation / Test Management: create SFT and assign at Blueprint node for which functional Spec (and WP exists) (Sprint activity)

2. Solution Documentation / Test Management: create FIT and assign to Business Processes (Wave activity)
SAP Solution Manager 7.2

Test Suite Overview
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

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 acticated 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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<tr>
<th>Category</th>
<th>SAP Solution Manager</th>
<th>HPE</th>
<th>Other vendors</th>
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<td>Functional Test Organization</td>
<td>Test Suite</td>
<td>HPE ALM</td>
<td>Tricentis Tosca Testsuite</td>
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<td>Manual Tests</td>
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<td>Analytics and Reporting</td>
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<td>Change Impact Analysis</td>
<td>Scope and Effort Analyzer (SEA)</td>
<td>HPE Unified Functional Testing</td>
<td>Worksoft Certify Tricentis Tosca Test Automation</td>
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<tr>
<td>Business Process Change Analyzer (BPCA)</td>
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<tr>
<td>Automated Tests</td>
<td>Component-based Test Automation (CBTA)</td>
<td>HPE Mobile Center</td>
<td>Perfecto Mobile</td>
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<td>Test Automation Framework</td>
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<td>Mobile Testing</td>
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<td>Test Data Provisioning</td>
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<tr>
<td>Load and Performance Tests</td>
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<tr>
<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)
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
SAP Solution Manager 7.2

Test Management processes for innovation and transformation projects
SAP Solution Manager - Test Suite
Capabilities of SAP Solution Manager Test Suite and Focused Build

**Focused Build for SAP Solution Manager**

- Prepare
- Explore
- Realize
- Deploy
- Run

**Test Suite related**

- Requirements / Work Package based Test Plan Generation
- Manual Testing: Test Steps
- Test Execution: My Test Executions
- Test Suite Dashboard

**SAP Solution Manager – Test Suite**

- Manual Test Cases
- Automated Test Cases
- Test Automation Framework with 3rd party test tool integration
- Test Composition Environment to manage SAP and partner tools
- Test Data Management
- Change Impact Analysis
- Test Plan and Test Package Management
- Test Execution of manual and automated tests
- Gap and Completeness Analytics
- Test Execution Analytics
Requirement to Deploy with Change Pace: Innovate
Requirements based Test Approach

- **Demand and Design**
  - Definition and Specification
  - Requirements
  - Work Packages (WP)
  - Functional Specifications (Spec document)
  - Work Items (Technical Design document)

- **Development**
  - Implementation and Configuration
  - Software Implementation and related Configuration
  - Unit Tests

- **Test**
  - Functional Tests
  - Process Tests
  - Single Functional Tests
  - Regression Tests (optional)
  - Regression Tests (final)
  - Functional Integration Tests (ongoing)
  - Functional Integration Tests (final)
  - User Acceptance Test
  - User Acceptance Test (final)
  - Integration Validation

- **Deploy**
  - Build Release
  - Functional Integration Tests (final)

- **Run**
  - PRD use
Requirement to Deploy with Change Pace: Innovate
Test execution during and across Waves and Sprints

Deploy phase
- Final **Functional Integration Tests** to validate E2E processes with new functionality
- Final **Regression Tests**
  Change Impact Analysis + Test Scope
  Optimization + RT execution for all impacted business processes
- Final **UAT**: get sign-off from business key users
- **Integration Validation**: Performance tests, interface tests, etc to prepare go-live

Wave 1
- **Sprint 1**
  - Unit Test
  - Sprint Review
  - SFT 1
- **Sprint 2**
  - Unit Test
  - Sprint Review
  - SFT 2
- **Touch & Feel**
- **Show & Tell**

Wave 2
- **Sprint 3**
  - Unit Test
  - Sprint Review
  - SFT 3
- **Sprint 4**
  - Unit Test
  - Sprint Review
  - SFT 4
- **Touch & Feel**
- **Show & Tell**
Requirement to Deploy with Change Pace: Innovate
Activities to prepare Functional Tests

Test Preparation
Create / update tests

Requirements → Work Packages → Work Items → Software Implementation and related Configuration

Work Package – Test Case assignment
Information used to identify test scope

Test Plan / Test Packages / User assignment

Change Impact Analysis (BPCA) to identify test scope

Solution Documentation

Process Steps

Business Processes

Single Functional Tests
User Acceptance Tests
Functional Integration Tests
Regression Tests

SFT Test Plan
UAT Test Plan
FIT Test Plan
RT Test Plan
Focused Build for SAP Solution Manager 7.2

Test Suite – delta functionality with FB 7.2 SP01
# Test Suite for Focused Build 7.2 SP01

## Delta Features (1/2)

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<tr>
<th>Area</th>
<th>Delta Functionality with FB 7.2 SP01</th>
<th>Customer benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Configuration</strong></td>
<td><strong>Check Report</strong> – several new checks for project and wave relationships, usability improvements to view start and end dates for all included projects and waves, forward navigation to dependent entities and configuration, such as projects and service activation</td>
<td>Roles like Test Coordinators get a much more comprehensive overview of required configurations and assignments. In addition, many more checks are included to speed-up the Focused Build configuration and setup activities.</td>
</tr>
<tr>
<td><strong>Test Planning</strong></td>
<td><strong>Assignment Analysis and Test Plan Generation</strong> – Test Coordinators now get powerful filter capabilities to tailor the analysis of existing vs. missing test cases and assignments to Work Packages. Beside Test Plan generation it is now possible to auto-generate Test Packages with various options, e.g. one Test Package for each Work Package. Several usability improvements including drop-docs to assign missing test cases to Solution Documentation.</td>
<td>Test Coordinators now get powerful additional features to speed-up the test preparation phase. For example, large hierarchies can be filtered to those sections where implementations and configurations took place, which are mature enough to start with functional tests.</td>
</tr>
<tr>
<td><strong>Test Planning</strong></td>
<td><strong>Manage Tester Assignment</strong> – simplified and more powerful mass operations to replace and assign manual testers, for example when consultants left the project or testers got ill. Improved selection screen with more options.</td>
<td>Improved efficiency to manage manual testers assigned to Test Plans and Test Packages.</td>
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# Test Suite for Focused Build 7.2 SP01
## Delta Features (1/2)

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<tbody>
<tr>
<td>Manual Tests</td>
<td><strong>Test Steps Designer</strong> – new manual testing solution using grid approach to describe test activities</td>
<td>Casual testers, like business users get a much easier to consume manual test case. The creation of Test Steps is supported with a comprehensive, but easy to use SAPUI5 application.</td>
</tr>
<tr>
<td>Test Execution</td>
<td><strong>My Test Executions</strong> – the new manual test capability Test Steps is fully embedded in the application for test execution</td>
<td>Casual testers, like business users get a much easier to consume manual test case. The execution of Test Steps is included in the app My Test Executions – an easy to use SAPUI5 application.</td>
</tr>
<tr>
<td>Test Execution</td>
<td><strong>My Test Executions</strong> – user personalization to choose between view by Test Packages or Test Cases on the left navigation panel.</td>
<td>Especially for casual users it is now much easier to view the test cases that are due for testing or retesting.</td>
</tr>
<tr>
<td>Analytics</td>
<td><strong>Test Suite Dashboard</strong> – several new graphics and tables in existing views, including list of open Test Cases and related Defects, Test Execution status by WP, as well as navigation from tiles to graphics and tables</td>
<td>Fast access to information about the current test status and dependencies between Focused Build entities, such as Work Packages and related Tests and Defects</td>
</tr>
<tr>
<td>Analytics</td>
<td><strong>Test Suite Dashboard</strong> – new view Test Preparation to assess existing and missing test cases</td>
<td>Fast access to information about the current test planning activities and missing test cases and assignments.</td>
</tr>
<tr>
<td>Analytics</td>
<td><strong>Test Suite Dashboard</strong> – new view Traceability Matrix to provide transparency from project via requirements, work packages to tests and defects.</td>
<td>Full transparency for the Test Manager and Project / Release Manager about implementation and related test status</td>
</tr>
</tbody>
</table>
Test Suite capabilities of Focused Build

Check Report: Prerequisites and Authorizations

Note: slide status: SP00 (and SP01)
FB 7.2 SP01 Delta Functionality Test Suite

Check Report

Check Report*
- Checks of Configuration and User Authorizations with focus on Test Suite

New features
- several new checks for project and wave relationships,
- usability improvements to view start and end dates for all included projects and waves,
- forward navigation to dependent entities and configuration, such as projects and service activation

Customer benefits
- Roles like Test Coordinators get a much more comprehensive overview of required configurations and assignments. In addition, many more checks are included to speed-up the Focused Build configuration and setup activities

* Capability provided by Focused Build for SAP Solution Manager 7.2
Check Report for Prerequisites and Authorizations

Navigation to Check Report
• Test Suite tile “Test Suite – Administration”
  – Tab: Test Suite Extensions
Check Report for Prerequisites and Authorizations

Check Report - Selection

- General Checks
  - Radio button 1: to be used for Test Suite without Focused Build
    - Result: information about selected Solution with available Branches and Views
  - Radio button 2: to be used for Test Suite with Focused Build
    - Result: Wave relationships and start/end dates between Master- / Build / and Cross Projects
    - Result: error messages in case of missing Release or Solution assignment to Project
Check Report for Prerequisites and Authorizations

Check Report - Selection

- Test Suite Checks
  - Check whether ICF Services have been activated
    - required for WD-ABAP and OData Services (see Installation Guide in case of problems)
  - Checks whether Customizing is available, e.g. Test Classification, Mapping of Defect Status, …
  - Checks whether required BW objects have been activated (InfoProvider, InfoCubes, …)
  - Checks whether BEx-Queries have been activated

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<th>Checks of Configuration and User Authorizations</th>
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<td>Test Suite Checks</td>
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<td>Activation of ICF-Services</td>
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<td>Service path is active: /sap/bc/bsdynpro/aps/aps_work_test - Test Suite: SAP Solution Manager</td>
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<td>Service path is active: /sap/psuedata/lsbn/fs_service - OData Service: Test Suite Dashboard</td>
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<tr>
<td>Service path is active: /sap/bcp/lsmn/test_management - SAPUI5 Application: Test Suite Dashboard</td>
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<tr>
<td>Service path is active: /sap/psuedata/lzsm/fs_rf_srv - OData Service: Simplified Manual Test Execution</td>
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<tr>
<td>Service path is active: /sap/psueunfsb/am/mangio4_tester - SAPUI5 Application: Simplified Manual Test Execution</td>
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<tr>
<td>Service path is active: /sap/psuedata/lsbn/fsstr萊mplan_assignment - Web Dynpro Application: Test Plan Assignment to Project</td>
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<tr>
<td>Service path is active: /sap/bc/bsdynpro/aps/aps_test_assign - Web Dynpro Application: Assignment Analysis and Test Plan Generation</td>
</tr>
<tr>
<td>Service path is active: /sap/bc/bsdynpro/aps/aps_test_assign - Web Dynpro Application: Manage Tester Assignments and Track Ready to Test</td>
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<td>Customizing is maintained: Mapping Test Plan Status to Test Request Status</td>
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<td>Activation of InfoCubes for Test Suite and IT Service Management</td>
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<td>InfoCube: OSMTESCP (Test Suite)</td>
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<td>InfoCube: OSFRING (IT Service Management)</td>
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<td>InfoCube: OSFRINSNP (IT Service Management)</td>
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</table>
Check Report for Prerequisites and Authorizations

Check Report - Selection

- User Authorization Checks
  - you can choose the user ID for which the check shall be performed
  - Scope: OData services, Test Suite Dashboard, Test Plans, Test Packages
  - Authorization checks: use transaction SU53 in case of problems
Test Case creation within change-controlled Development Branch
Functional Test Case creation / extension for Development Branch with Change Control

Important note:

- Best Practice: Development Branch with Change Control
- Consequence: no changes for Dev Branch allowed without Change Document → new Test Case cannot be created and assigned to Process Step in Dev Branch without Change Document
- Options / Alternatives
  - Existing WP: use existing WI to create / extend test cases
  - Existing WP: create 1 additional WI with the scope to create / extend functional tests (SFT, UAT, FIT, RT)
- Not an option:
  - Assign new test cases in Design Branch and release changes to Dev Branch – the very first Change Document of this person will be used
  - New WP with WI to create / extend test cases within this Wave – then the test case is assigned to the wrong WP and the Assignment Analysis and Traceability Matrix does not work correctly
Create Work Item
Role: Architect or Test Coordinator

Work Item to create / extend Test Cases
Test Suite capabilities of Focused Build

Assignment Analysis and Test Plan Generation

Note: slide status: SP00
Test Plan Management for R2D
Assignment Analysis between Processes – Requirements - Work Packages – Test Cases

Assignment Analysis and Test Plan Generation*

Benefits

- View assignment of Requirements and Work Package to Business Processes / Process Steps in Solution Documentation
- Identify Process Steps with assigned Work Packages, but missing Test Case assignment
- Create and assign missing Test Cases via DropDocs
- Convenient Test Plan generation based on Test Cases assigned to Work Packages

* Capability provided by Focused Build for SAP Solution Manager
# How to Launch

![Diagram of launch process](image)

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<td>Test Suite Overview</td>
<td>Test Suite Test Preparation</td>
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<td>Administration Change Impact Analysis</td>
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<td>ITSM Dashboard Configuration</td>
<td>Test EXECution Tester Assignments ...</td>
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Objective

The Test coordinators need tools to quickly find the scope of Testing for a particular wave in a Project and select the Work Packages belonging to that wave in a Test Plan

- This application helps the Test Coordinator
  - Find Work Packages in a Project and Wave
  - Find Work Packages not covered in any Test Plan
  - Find Work Packages with missing Test cases
  - Assign Test Cases to Work Packages
  - Create a Test Plan selecting Work Packages for a particular Project and Wave
  - Load an existing Test Plan and change the scope
Finding Work Packages across Projects using Master Project

- It's possible to select a Master Project when running this application
  - Work Packages can exist in Build Projects but not in a Master Project
  - Work Packages belonging to all Build Projects associated with the Master project will be shown
  - In case a Test Plan is created, it will be associated with a Cross Build Project
Finding Work Packages without Test Plan Coverage

Work Packages part of the Project and Wave but not covered by any Test Plan are listed here.

The Work Package ID can be used to forward navigate and find more details.
Assignment Analysis and Test Plan Generation – Tree View

The Solution Documentation is shown in a hierarchical format.
The Work Packages assigned to Solution Documentation are shown in the relevant node with a new icon.

Work Packages without any Solution Documentation assignment are listed at the end of Hierarchy.

Work Packages with missing Test case assignments are shown in yellow highlighting to identify them easily.
Assignment Analysis and Test Plan Generation – List View

- It is also possible to change the view to List view and use Filters to view only Work Packages or only Test cases
- It is possible to perform functions such as Assignment of Test Case or creation of Test Plan even from List View
- List View offers an additional capability of download to Excel
Assigning Test Cases

- You can select any Work Package and assign an existing Test case
  - The application recommends test cases in the same hierarchy where Work Package is associated
  - As soon as Test case is assigned, the count of Test cases assigned to the Work Package changes along with the Work Package shown highlighted in green

*Currently it's not possible to assign inherited test cases. The test case needs to be selected from the original source*
Save Test Plan

- The application allows to mass select Work Packages and create a new Test Plan
- It's also possible to load an existing Test Plan* and modify the scope of the Test Plan

* The setting for Executable Flag for the Test Plan should be ‘Show Test cases only’
After a Test Plan is created using this application, two subsequent transactions also get created:

- Test Request
- Project Task
What is Test Request

Test Request is an intermediate document that acts as a bridge between Test Plan Management and SAP Project

- Test Request takes the same name as Test Plan when created automatically
- Test Request maps the Test classification of Test Plan into Multi Level Categorization
- Status update of Test Plan is reflected in Test Request using a status mapping
What is Project Task for Test Plan

- Each Test Plan, when assigned to SAP Project, creates a Project Task automatically so that the effort for the Test Plan can be tracked in the Project Plan
- The Project task takes the same name as Test Plan
- The Project task is reflected under the same Project and Wave where the Test Plan is created
How Status Update from Test Plan flows to Project

- A Test Plan creates a Test Request
- Test Request is visible in a special Tab in SAP Project
- Status update of Test Plan automatically updates the status of Test Request
- Project manager can track the status of Test Plan by tracking Test Request
Configuration – Map Test Plan Status to Test Request

- You need to maintain the status mapping between the status schemas used for Test Plans and the status schema for Test Request (S1TRHEAD).
- This enables update of Test Plan status to Test Request Status.
Configuration – Map Test Classification to Test Request Category

- Test Classification values are maintained for Test Plan
- Multilevel Categorization schema is maintained for Test Request
- Test Classification for Test Plan can be mapped to Multilevel Categorization of Test Request
  - It is recommended that only 1st Level of Multilevel Categorization of Test Request is used
  - The Test Classification values are then mapped to Schema identifier of 1st level of Categorization schema for Test Request

For more details on creating a Multilevel Categorization Schema
https://wiki.scn.sap.com/wiki/display/SAPITSM/Multilevel+Categorization
Test Suite capabilities of Focused Build

Test Plan assignment to Project

Note: slide status: SP00
How to Launch
Objective

Test Plans need to be tracked in SAP Project for resource allocation, effort estimation etc.
Test Plans need to be shown in Test Suite Dashboard also

Hence every Test Plan needs to be associated with a Project and Wave
In case some Test plans are created using standard application, this application can be used to associate them with a Project and Wave retrospectively
Capabilities offered

- Assignment of a Test Plan to a Project and Wave
  - Includes un-assignment and re-assignment
- Adjustment of Test Plan dates to Wave Dates
- Automatic creation of Test Request
- Automatic creation of Project Task
- Maintenance of Test Plan attributes
Test Suite capabilities of Focused Build

Test Step Designer

Note: slide status: SP01
Manual Testing
Test Steps and My Test Executions

New approach for manual testing

- New manual test solution using grid approach
- Fully embedded in Test Suite of SAP Solution Manager

Test Steps*

- Designer application for Test Engineer to create manual tests using grid to describe test activities

My Test Executions*

- Access for manual testers with high usability for casual users
- Suitable for single testers as well as teams

Availability

- Focused Build SP01 for SAP Solution Manager 7.2 SP05

* Capability provided by Focused Build for SAP Solution Manager 7.2
Objective

The Objective is to offer the Test Case Designers and Testers an alternative to document based Test Cases (e.g., Word, Excel) and also to Tester's Worklist and Manual Test Execution.

- Test Cases can be designed at the level of steps directly in SAP Solution Manager without the need to upload or download documents such as Excel spreadsheets.
- In a single Test Case different languages can be maintained, including version handling and reusing test cases via a library concept.
- The navigation is simplified and intuitive. Test Cases are also integrated into Solution Documentation.
- Having Test Case content digitally available in SAP Solution Manager enables automated checks and analysis of Test Case Design as well as Test Execution.
# How to Launch from SAP Solution Manager Launchpad

<table>
<thead>
<tr>
<th>Focused Build - Test Manager</th>
<th>Focused Build - Service Manager</th>
<th>Focused Build - Service Requester</th>
<th>Guided Procedures</th>
<th>Data Consistency Manager</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Plan Management</td>
<td>Test Suite</td>
<td>Administration</td>
<td>Solution Administration</td>
<td>Test Suite Dashboard</td>
</tr>
<tr>
<td>Test Plan Management</td>
<td>Overview</td>
<td>Test Suite</td>
<td>Change Impact Anal...</td>
<td>Dashboard</td>
</tr>
<tr>
<td>Test Plan Management</td>
<td></td>
<td>Administration Test Suite</td>
<td>Administration</td>
<td></td>
</tr>
<tr>
<td>Test Plan Management</td>
<td>Test Preparation</td>
<td>ITSM Dashboard</td>
<td>Test Execution</td>
<td></td>
</tr>
<tr>
<td>Test Plan Management</td>
<td>Project assignment</td>
<td>ITSM Dashboard Configuration</td>
<td>Manage Tester Assi...</td>
<td></td>
</tr>
<tr>
<td>Test Plan Management</td>
<td></td>
<td></td>
<td>Enter Test Steps Re...</td>
<td></td>
</tr>
<tr>
<td>Test Plan Management</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
How to Launch from Solution Documentation

- You can also open Test Steps Designer from Solution Documentation using the „Test Steps (Create)“ function
- This gives you the option to directly add a Test Steps Document to a structure node in Solution Documentation
- If you created a Test Steps Document directly from the Designer App, you can still assign it to Solution Documentation using the „Test Steps (Assign)“ function
Administration and Configuration

• Several different settings should be reviewed and customized before working with the Test Steps application
• Navigate to Fiori Launchpad > Focused Build - Test Manager > Test Suite Administration
• In tab „Test Suite Extensions“ you will find a section for „Test Steps“
• You find configuration documentation next to each configuration item and in SPRO transaction (see next slide)
• Sample configurations are delivered with the corresponding piecelist for Focused Build
Administration and Configuration

- In SAP Solution Manager Implementation Guide (transaction SPRO) the same configuration views can be accessed.
- Here you find more detailed configuration instructions and explained samples.
Test Steps Designer - Application Overview

List of Test Steps Documents

Details of a selected Test Steps Document
Test Steps Designer – List of Test Steps Documents

- Search by Name of Test Steps Document
- Select a document to display details
- Upload Test Steps Documents from CSV files
- Refresh List
- Folder grouping several Test Steps Documents
- Create a new Test Steps Document
- Set filters for list of documents
Test Steps Designer – Details of a Test Steps Document

Different sections of details

Content of selected section

Actions for this document (version)
Test Steps Designer – Header Tab (1/2)

- **Test Case details**
- **Version selection**
- **Testing Mode**
- **General properties of this version**
- **Actions for this document (version)**
Test Steps Designer – Header Tab (2/2)

Language dependent instructions of this document version

Referring library test steps document (if any)

Attributes from Solution Documentation assignment (if any)

Quick view on Change History (more details in Change Log tab)

Instructions

Description: Order to Cash process with standard process steps
Prerequisites: Material / products available
Exit Criteria: Documents posted for all business transactions including billing

Library

Solution Documentation

Test Case Classification: RT

History

Created At: 30.06.2017, 13:28:26
Created By: WEFERSM
Changed At: 15.06.2017, 12:40:57
Changed By: FICKINGERT
**Test Steps Designer – Test Steps Tab (1/3)**

Expand/Collapse all sub steps and switch on deletion mode

Enter language dependent content such as description or expected results

Assign partners to highlight who should execute this step

Use Drag&Drop to change the sequence

Select Executables from Solution Documentation

Expand to full screen

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
<th>Expected Result</th>
<th>Instructions</th>
<th>Executable</th>
<th>Partner</th>
<th>Attachment</th>
<th>Evidence</th>
<th>Hidden</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Quotation</td>
<td>New quotation</td>
<td>Use standard</td>
<td>Create Quotation</td>
<td>2471</td>
<td>Sales</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>document posted</td>
<td>quotation type. Test data is provided via link Test Data Container (TDC). Please document the quotation number for the second test step.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>New Sales Order</td>
<td>New Sales Order</td>
<td>Use standard sales order type with reference to quotation. Use reference to quotation posted in</td>
<td>Create Sales Order</td>
<td>2471</td>
<td>Sales</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>document posted</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Test Steps Designer – Test Steps Tab (2/3)

- Add attachments to illustrate how this step should be performed
- Activate evidence check during execution and ask to attach an evidence screenshot
- Expand/Collapse single step / sub steps
- Create Sub Steps
- Hide a step that should not be displayed during execution
Test Steps Designer – Test Steps Tab (3/3)

Add result attributes to be filled in during test execution

Delete an attribute from this document version

Add a result attribute which was defined in Test Steps configuration

Activate content check on attribute during test execution and ask tester to enter data
Test Steps Designer – Attachments Tab

- Add attachments or hyperlinks to this document version
- Review and open existing attachments
- Edit existing attachments
Test Steps Designer – Notes Tab

Enter notes, for example to document work in progress and reminders for open tasks. Notes will not be displayed during test execution.
Test Steps Designer – Change Log Tab

Review change history of test steps document

Change Log of Test Case

<table>
<thead>
<tr>
<th>Username</th>
<th>Date</th>
<th>Time</th>
<th>Change</th>
<th>Object</th>
<th>Field</th>
<th>old Value</th>
<th>new Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>FICKINGERT</td>
<td>Wed May 31 2017</td>
<td>14:22:48</td>
<td>Update</td>
<td>Test Step Text 7</td>
<td>Expected Result</td>
<td>Create TO for Delivery</td>
<td>create TO for Delivery</td>
</tr>
</tbody>
</table>

See details like who changed when which element and set which new value
Test Steps Designer – Actions

- Save Changes
- Copy whole Test Case
- Switch language
- Switch between Edit/Display mode
- Create new Version
- Delete whole Test Case
- Send Email with Test Case / Create tile on FLP
Test Suite capabilities of Focused Build

My Test Executions

Note: slide status: SP00
Test Execution
Convenient access for manual Testers to test cases, test execution, defect creation and status setting

My Test Executions*

![My Test Executions screenshot]

Benefits
- Tester can easily view Test Packages and included Test Cases assigned to him / her
- The tester can quickly open the assigned test script to get familiar with the test steps that shall be executed
- Convenient access with 1 click to the test system to perform test execution
- Intuitive status setting, test note and optional defect creation

* Capability provided by Focused Build for SAP Solution Manager
How to Launch

![Diagram showing how to launch](image_url)
Objective

- The Objective is to offer the Testers an alternative to Tester's Worklist and Manual Test Execution
- The Navigation is simplified and intuitive
- The context of logged Tester is taken into account automatically and some preferences on application can be saved at tester level
Entry Screen

- Left Panel shows Test Packages
- Right Panel shows Test Package details in two Tabs
  - The first tab gives header data for Test Package
  - Test Package attachments are shown in the first tab
  - The second Tab shows test cases within the Test Package
- Tester can click any Test Package to start test execution
- Tester can also use the Filters to restrict display to specific Test Plan/Test Packages
Filter capabilities

- The tester can use filter criteria
  - To select **overdue** items (items where Planned execution date is already past current date)
  - To select items **Ready for Test**
  - To select Tests which are now **available for retests**
  - Text based search can be used to find specific Test Plan or Test Package
Filter capabilities – Ready for Retesting

- You can use S1DM for defects or create your own Transaction Types
- You need to map the status that means ‘Solution Provided’ to an Aggregate status called ‘Closed’
- This will ensure that in case there is a Test Package, which has a test case with a Defect set to ‘Solution Provided’, it will be marked as ‘Ready for Retesting’
Test Package View – Tab Info

- The Planned dates for Test package are described
- Any attachment for Test Package can be accessed
- Test Plan Title is displayed at the top of the window as well as in the Info Tab
Test Package View – Tab Test Cases

- The test cases in the Test package are shown in the grid format
- Tester can use flags 'Ready to Test' and 'Test Ended' to prioritise work
- In case a test case has been executed earlier at least once, its possible to set the status of execution of a Test case from this view
- Clicking on any Test case changes the view in the left panel to 'Test case view'
Test Case view – Tab Test case

- Test document shown as URL
- Tester can click on URL to download test case
- Executables shown can be launched by clicking on Executables URL
- Test status can be set based on list of status values available
- Test ended flag can be set to indicate Test execution is finished
Test Case View – Providing Evidence of Testing

- The evidence of Testing can be uploaded as
  - Test Note (Tab „Test Case“)
    - or
  - Test Result (Tab „Results“)
- There can only be one Test note and Testers need to collaborate on same Test note
- There can be any number of Test Results that can be uploaded by a Tester
Test Case View – Tab Defects

- Tester can raise a Defect in case Test Execution fails.
- To create a Defect, Tester needs to click on the control button – ’Create Defect’ which is visible in all Tabs at the bottom of the page.
- Tester needs to select the correct Defect Type for the defect.
- Once the Defect Type is selected, a Multilevel categorization can be selected.
- Using preferences button at the top, ‘Save Defect Settings’ can be activated which will save some time for the Tester by prefilling last used values for some of the fields.
Test Suite capabilities of Focused Build

My Test Executions – test case type: Test Steps

Note: slide status: SP01
Manual Testing
Test Steps and My Test Executions

New approach for manual testing

• New manual test solution using grid approach
• Fully embedded in Test Suite of SAP Solution Manager

Test Steps*

• Designer application for Test Engineer to create manual tests using grid to describe test activities

My Test Executions*

• Access for manual testers with high usability for casual users
• Suitable for single testers as well as teams

Availability

• Focused Build SP01 for SAP Solution Manager 7.2 SP05

* Capability provided by Focused Build for SAP Solution Manager 7.2
Manual Testing
My Test Executions

My Test Executions*

- Access of manual tester to his/her assigned test cases
- Left navigation
  - List of Test Packages or Test Cases assigned to the user
- Tab: Header
  - Properties
  - Instructions
- Language selection

* Capability provided by Focused Build for SAP Solution Manager
Manual Testing
My Test Executions

My Test Executions*

- Tab: Test Steps
  - List of all steps included in the test case
  - No need to download test case descriptions
  - Start of business transaction in test system with 1 click
  - Status setting
  - Assignment of evidence
  - Test result attribute. E.g. posted document number
- Language selection
- Defect creation

* Capability provided by Focused Build for SAP Solution Manager
Evidence can be provided by the tester by upload of local file e.g. screenshot from testing activities.

Attachments can be shown to advice the tester in detail.

Status of all steps determine status of whole Test case.

Customizing for this determination available.

Switch to full screen to display and change test result attributes.
Input of Test result attributes and the actual result text is possible, when switched view to full screen mode.

* Capability provided by Focused Build for SAP Solution Manager
Manual Testing
My Test Executions – Run concept

It should be possible to execute the same Test case in a Test Package multiple times. Each execution of the test case will be recorded in a so called ‘Run’.

A new Run will be created
• by the system
  • When a Test package is released for execution
  • When a Test case is under execution and a new version of Test case is updated in the Test Package
• When a Tester do it manually

All Runs will persist in the system but only the current run is editable. The tester is able to create a new run if he wants to execute the same test case again.

The tester should have an option to take over texts and result attributes. The latest run always win when it comes to calculating the status.

The latest run result is what will be available to all analytics reports.
My Test Executions*

- Tab: Results
  - Drag and drop of test results, such as screenshots
Manual Testing
My Test Executions

My Test Executions*

- Tab: Test Data Sets
  - Access to test data
  - Test Data stored in central location – Test Data Container – to enable fast and central maintenance of test data even during test execution

* Capability provided by Focused Build for SAP Solution Manager
Test Suite capabilities of Focused Build

Integrated Defect and Defect Correction

Note: slide status: SP00
Objective

- The goal is to offer seamless communication between Testers, L1 support team and L2 support team for defect resolution Process
- The Status Profiles of Defect and Defect Correction interlinked
- The Tester needs to work only on Defect
- The Developer/SME needs to work only on Defect Correction
- Status update of Defect, updates status of Defect Correction automatically and vice versa

<table>
<thead>
<tr>
<th>Defect Status</th>
<th>Defect Correction Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>New</td>
<td>Created</td>
</tr>
<tr>
<td>Awaiting Defect</td>
<td>Information Required</td>
</tr>
<tr>
<td>correction</td>
<td>Being Corrected</td>
</tr>
<tr>
<td>Tester Action</td>
<td></td>
</tr>
<tr>
<td>information Provided</td>
<td></td>
</tr>
<tr>
<td>Confirmed</td>
<td></td>
</tr>
</tbody>
</table>
Defect Resolution Process

Testing Team

L1 Support Team

Change Management Team

Defect Creation

Defect Processing

Defect Correction

Requirement Management

Fix?

Enhancement?
Test Management
Defect with new Transaction Type S1DM integrated with Defect Correction

- A new Transaction Type (S1DM) with Lean UI created for Defect
- Once a Test Plan is assigned to SAP Project, it gets Release Information from SAP Project
- When a Defect is created for such a Test Plan, the Test Plan passes on the release information to the Defect
- Changing the status of a Defect can trigger automatic creation of a Defect Correction
- Once a Defect Correction is created, Release information is auto populated eliminating any error in Landscape and Release selection
Defect is created

- Tester creates the Defect using SMTE
- If the Test Plan was associated with SAP Project, that information is passed to the defect in the background
- Tester can provide component to trigger team determination or enter the L1 Support team in 'Processor' field
L1 Support team analyzes Defect

- L1 team analyzes the defect
- In case of Master Data or user Error type of issues, a Defect can be resolved by L1 Support team
- In case a fix is required which needs a 'Transport', a follow up Defect Correction is created by using the Status 'Awaiting Defect Correction'
Defect is forwarded to L2 Support Team

- In the Defect Correction, the 'Change Cycle' is populated automatically since Release information is passed from Defect to Defect Correction
- The status update of Defect Correction, updates the status of Defect automatically so that Tester/L1 support team can track the progress
L2 Team requests for information

- The description or attachments may not be sufficient for L2 Team
- L2 Team can use Text type 'Required Information' to ask more information from stakeholders and then set the status to 'Information Requested'
- This updates the status of Defect to 'Information Required'
- The text entered in the Defect Correction is also passed to the Defect
Information is provided

- L1 support team or the tester can provide information
- The text is entered using the text type 'Info for Defect Correction' and status is updated to 'Information Provided'
Tester confirms Defect

- The tester is notified via status change or email once the Solution is Provided
- Tester can retest and set the status of Defect to confirmed
- This automatically sets the status of related Defect Correction to confirmed
Test Suite capabilities of Focused Build

Manage Tester Assignments

Note: slide status: SP00
Manager Tester Assignments

- Assignment and replacement of manual testers to Test Plans and Test Packages

New features

- Improved selection screen with more options.
- Simplified and more powerful mass operations to replace and assign manual testers, for example when consultants left the project or testers got ill.
**Objective**

- The goal is to help Test coordinator perform
  - Mass Assignments of Testers to Test Packages (with or without sequence) across Test Plans
  - Unassign / Replace Testers if required
  - Find Test cases 'Ready to Test'

### Manage Tester Assignments and Track Ready to Test

<table>
<thead>
<tr>
<th>Test Plan ID</th>
<th>contains</th>
<th>Test Plan ID</th>
<th>is</th>
<th>Test Plan Planned Execution</th>
<th>between</th>
<th>Test Plan Person Responsible</th>
<th>is</th>
<th>Test</th>
<th>is</th>
<th>Release 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Package ID</td>
<td>is</td>
<td>Test Package ID</td>
<td>is</td>
<td>Test Plan Planned Execution</td>
<td>and</td>
<td>Test Plan Person Responsible</td>
<td>is</td>
<td>Test</td>
<td>is</td>
<td>Release 4</td>
</tr>
</tbody>
</table>

Notify Tester: [ ]
Only Test Packages with Sequence as Ref.: [ ]
Only Ready To Test (and protected): [ ]

[Execute] [Reset to Default]
Assigning multiple Testers

- The application supports selecting 'n' testers and assigning to 'm' Test packages.
Replacing Testers

- The application supports un-assignment or replacement of testers in case they become unavailable.
- If the notify Flag is checked in the first screen and Business Partner details have email address maintained, Testers can be notified if their assignments are changed.
Maintain Test Plan attributes

- Test plans can be protected by Status schema which may not allow changing Tester assignments
- This application offers an easy way to change Test plan attributes eg changing a Test plan status from Protected to Released, so that tester assignments can be modified
Test Suite capabilities of Focused Build

Test Suite Dashboard

Note: slide status: SP00 and SP01 Delta
Test Suite Analytics
Dashboard for Test Manager and Test Coordinators

Test Suite Dashboard*

- Test Coordinator can assess multiple test plans in a fast and convenient fashion
- Status of open test executions and defects in graphical format
- Details in table format
- Test execution progress
- Test Coordinators can monitor defects created from test executions by priority and resolutions status

* Capability provided by Focused Build for SAP Solution Manager
Test Suite Dashboard

Navigation to Test Suite Dashboard

- Focused Build - Test Manager - tile “Test Suite Dashboard”
Test Suite Dashboard

Data Sources

- BW InfoProvider
  - Test Suite - InfoCube 1 actual data: 0SMTEXCU, InfoCube 2 for historical data: 0SMTEXXSNP
  - ITSM- InfoCube 1 actual data: 0SPRINCU, (not used in SP00: InfoCubes 2 for historical data: 0SPRINSNP)
  - ITSM historical data is selected in Focused Build 7.2 SP00 via data selection program
    /SALM/TSD_DATA_EXTRACTION (no parameters), which selects data daily into snap-shot table
    /SALM/TSD_DEFECT. This program needs to be scheduled via transaction SM36 (Job planning)

- Projects, Requirements, Work Packages are selected from SAP Tables via API
Test Suite Dashboard
BW activation and settings for data extraction

Configuration / administration activities after technical upgrade and content activation

- What: Activate BI content and setup extractor program
- How: SPRO
Test Suite Dashboard

Administration

- Defect Status Aggregation
Test Suite Dashboard

Administration

• Defect Status Aggregation
  – Mapping of Transaction Type and User Status (Value Help) with Aggregation Status (Dropdown)
Test Suite Dashboard
Check Report for Prerequisites and Authorizations

Navigation to Check Report
• Test Suite tile “Test Suite – Administration”
  – Tab: Test Suite Extensions

Scope of Check
• General Checks
• Test Suite Check
  – Important checks to validate that OData services are active, customizing available and BW objects activated
• User authorizations
  – Important checks to validate that user has all required access rights to the Test Suite Dashboard
Test Suite Dashboard

BW Queries

List of BW Queries

- Defect Status /SALM/SMT_DF_STATUS
- Defect Status Detail /SALM/SMT_DF_STATUS_DETAIL
- Defect Status Progress /SALM/SMT_DF_STATUS_PROGRESS (not used in SP00)
- Test Package Status Detail /SALM/SMT_TG_STATUS_DETAIL
- Test Plan Status /SALM/SMT_TP_STATUS
- Test Plan Status Detail /SALM/SMT_TP_STATUS_DETAIL
- Test Plan Status Progress /SALM/SMT_TP_STATUS_PROGRESS
Test Suite Dashboard

Roles

Roles

• Test Manager: Role: SAP_OST_FB_TEST_M_COMP
Test Suite Dashboard
Authorization

Authorization to access the OData service
- /STDF/APPD
  /STDF/APP  ->  TM
  /STDF/KEY  ->  TM_
  /ACTVT     ->  03

- S_SERVICE
  SRV_NAME  ->  7BA492C4A93B02252FEE8B97F5108B
  SRC_TYPE  ->  HT

- S_SERVICE
  SRV_NAME  ->  8C9979B95AF416F63EDB5CA78CF202
  SRV_TYPE  ->  HT

Authorization to execute the BW queries
- Defect Status  /SALM/SMT_DF_STATUS
Test Suite Dashboard
Authorization

Authorization to execute the BW queries

**S_RS_AUTH**
- **BIAUTH** -> 0BI_ALL

**S_RS_MPRO**
- **ACTVT** -> 03
- **RSINFOAREA** -> 0SM_SMT
- **RSMPRO** -> 0SMTMP01
- **RSMPROOBJ** -> DATA

**S_RS_COMP**
- **ACTVT** -> 16
- **RSINFOAREA** -> 0SM_SMT
- **RSINFOCUBE** -> 0SMTMP01
- **RSZCOMPID** -> /SALM/*
- **RSZCOMPTP** -> REP

**S_RS_COMP1**
- **ACTVT** -> 16
- **RSZCOMPID** -> /SALM/*
- **RSZCOMPTP** -> REP
- **RSZOWNER** -> *
**FB 7.2 SP01 Delta Functionality Test Suite**

**Test Suite Dashboard**
- Ready to use dashboard for Test Manager and Test Coordinator with aggregated and detail information

**New features**
- View **Overview**: Test Execution Status by Work Package

*Capability provided by Focused Build for SAP Solution Manager 7.2*
FB 7.2 SP01 Delta Functionality Test Suite
Test Suite Dashboard

Test Suite Dashboard*

- Ready to use dashboard for Test Manager and Test Coordinator with aggregated and detail information

New features

- View **Test Preparation**: List of Work Packages with and without Test Cases
- Filter options for
  - Test Cases with / without WP assignment
  - Work Packages
  - Test Classification
- Navigation to application Assignment Analysis for full detail

* Capability provided by Focused Build for SAP Solution Manager 7.2
FB 7.2 SP01 Delta Functionality Test Suite
Test Suite Dashboard

Test Suite Dashboard*
- Ready to use dashboard for Test Manager and Test Coordinator with aggregated and detail information

New features
- View **Test Execution Status**: Test Cases with Errors and related Defects

* Capability provided by Focused Build for SAP Solution Manager 7.2
FB 7.2 SP01 Delta Functionality Test Suite
Test Suite Dashboard

Test Suite Dashboard*

- Ready to use dashboard for Test Manager and Test Coordinator with aggregated and detail information

New features

- View **Traceability Matrix**: full traceability for dependencies between project, requirements, WP, process step, test cases, test status, defects, defect status, defect priority
- Filters for:
  - Test Classification
  - Test Case status
  - Defect status
  - WP status

* Capability provided by Focused Build for SAP Solution Manager 7.2
FB 7.2 SP01 Delta Functionality Test Suite
Test Suite Dashboard

* Capability provided by Focused Build for SAP Solution Manager 7.2
SAP Solution Manager 7.2 Test Suite

Information Sources
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

Focused Build – more information for customers and partners

SAP Support Portal – Focused Build

- Audience: customers and partners
- Positioning presentations
- How to configure and administration
- FAQ
- Training material

Focused Build – more information for customers and partners

Media Center for Focused Build

- Audience: customers and partners
- Positioning presentations
- How to configure and administration
- Application Demos

Navigation: SAP Support Portal → SAP Solution Manager → Overview → Product Information → Media Center

SAP Solution Manager learning resources overview
Build up your knowledge and skills

Available Learning Resources
From Interest to Expert Knowledge

Management Competence (Introduction)
- Public Videos & Playlists
- Overview Publications
- Introduction Information
- SAP Solution Manager Homepage

Core Competence (Key Value Chains)
- Expert Competence (Functional Areas)
- Expert Publications
- Technical Information
- Expert WIKIs

SAP Solution Manager Community
- Blogs & Questions

System Landscapes
- Private Evaluation System (CAL), Public Demo System
- System Demos, Tutorials

Live Expert Sessions & e-Learnings
- EGI, MTE, GDT, AIE, BP

Classroom Trainings*
- SMx (Setup & Config), E2Ex (Functional Overview)

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

*) Planned availability Q1 2017

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Appendix
Choose SAP Project: Single vs. Master / Build

When using Focused Build Approach, usage of SAP Project is highly recommended to derive the maximum benefit of pre-delivered integration

• A Solution and Branch is assigned to a Release
• A Release is assigned to SAP Project
• When a Release is assigned to SAP Project, Solution and Branch gets assigned automatically
• Work Packages have to be assigned to Waves of SAP Project

• Customer can choose to use a SINGLE Project in which the Build and Test activities will be conducted

• Customer can choose to use a combination of MASTER and BUILD Projects,
Test Management using SAP Build Project

Build Project

- Test Plans such as Single Functional Test and User Acceptance Test need to be done in individual Build Projects
- A new Structure for Testing available in latest Templates
- Testing activities available for
  - Test Scripting
  - Test Execution
  - Test Completion
Test Management using SAP Project – Cross Wave

- Testing such as Integration Testing will be done at the end of a Wave eg Wave 1 or Wave 2
- Ad hoc Testing such as Regression Testing can be done anytime.
- A new wave Cross Wave is created in Cross Build Project for this purpose
Maintaining Wave Dates in SAP Projects

- The Wave Dates in Master, Build and Cross Build Project for Testing are maintained manually.

- It needs to be ensured that Wave Dates in all the projects are aligned i.e. Wave 1 of Master, Wave 1 of Build and Wave 1 of Cross Build Project should have exact same dates.

- Wave Dates can be adjusted by navigating to ‘Dates and Work’ Tab of each Project.

- Adjustment to wave dates in MASTER does not update wave dates in associated Build and Cross Build Projects.
Maintaining Wave Relationships in SAP Master Project

- Master Project needs to define Wave relationship
- The Build and Cross Build Projects are linked to Master Project
- Waves and Cross Wave are created in Master Project
- The Waves of Master are then related to Waves in associated Projects
Ensure Correct Task Type Configuration - Build

Creation of Test Request triggers automatic creation of Project task.

For automatic Task creation to work, the Task Types need to be of specific type as described in the screenshot.
Ensure Correct Task Type Configuration – Single Project

Creation of Test Request triggers automatic creation of Project task.

For automatic Task creation to work, the Task Types need to be of specific type as described in the screenshot.
Check Report can validate

- Result: Wave relationships and start/end dates between Master- / Build / and Cross Projects
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