Focused Build for SAP Solution Manager 7.2 (SP6)
S/4HANA Conversion Project Support

Customer Experience & Solutions, SAP SE
May 2020
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- Road to SAP S/4HANA
- Readiness Check 2.0
- Change Paces in Focused Build with Requirements-to-Deploy
- Integration of S/4HANA Readiness Check in SAP Solution Manager Focused Build
- How-To
  - Perform Readiness Check
  - Download Results and Upload into SAP Solution Manager
- Functionality in Detail
  - Integrated Dashboards
  - Massive Filter Functions
  - Status Setting
  - Follow-Up Document Creation
Road to SAP S/4HANA
SAP S/4HANA – the broadest ERP on the market

User Experience
Consistent and easy to use on any device; role-based, with a built-in digital assistant to boost user productivity

Intelligent Processes
Intelligence and Innovation with AI/ML to speed up and automate business processes
Reduce opportunities for user/error data inconsistencies

Integrated Processes
Deeply integrated, end-to-end processes

Planning and Analytics
Embedded Analytics for simulations, predictions and insight to action

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The Way to S/4HANA - Greenfield or Brownfield?

**Greenfield**
With a new implementation, you build a new SAP S/4HANA system.
Either you cut over to the new system (the so-called “big bang” scenario) or you migrate the individual business units sequentially from your legacy SAP ERP application to the new system (“a phased rollout”).

**Brownfield**
With a system conversion, you turn your existing SAP ERP system into an SAP S/4HANA system. Technically, the system conversion is a one-step procedure with a single downtime.

95% of all customers decide for one of these both options.
System Conversion in Detail

Three Steps included:

- For SAP ERP on any database: a database migration to SAP HANA 2.0 (a new database system)
- A conversion of the data from the SAP ERP data model to the SAP S/4HANA data model
- A software upgrade that is replacing SAP ERP application code with SAP S/4HANA application code
Focused Build supports both ways

Greenfield

Requirements-to-Deploy Process (available since SP0 of Focused Build)

Brownfield

Upload of Simplification Items and Conversion Activities as starting point for the Requirements-to-Deploy Process (available as of SP6 of Focused Build)
SAP Readiness Check
Analyse your existing SAP ERP Landscape

Analyse
usage and configuration data of your current landscape

Determine
conversion compatibility and required preparation steps

Access
results in interactive dashboard for easy analysis
Validate provided information for further decisions

Delivering
detailed, yet simplified, technical guidance on your readiness to move forward with a conversion to SAP S/4HANA

Preparing
your business to minimize disruptions

Supporting
decision-making such as whether you should create your own infrastructure and resources for SAP S/4HANA or consider cloud options
Covered Aspects

**Active Business Functions**
Find out how many business functions are active in your system and whether they are compatible with SAP S/4HANA.

**Add-on Compatibility**
See how many add-ons are installed in your system and whether they are still compatible with SAP S/4HANA.

**Recommended SAP Fiori Apps**
Identify the SAP Fiori apps that best fit your needs based on your historical transaction volume and usage.

**Business Warehouse Extractors**
View how many extractors for SAP Business Warehouse exist in your ERP system and if they work with SAP S/4HANA.

**Simplification Items for SAP S/4HANA**
View new and updated data structures/architectures in SAP S/4HANA to determine if they are relevant to your processes.

**Business Process Analytics**
Analyse the state of your processes to determine any clean-up requirements before migrating to SAP S/4HANA.

**Custom Code Analysis**
Analyse the impact of custom code by knowing which SAP objects have been changed or removed in SAP S/4HANA.

**SAP Custom Development Projects**
View solutions built for your business by SAP Custom Development to evaluate if needed with SAP S/4HANA.

**Data Volume Management**
Plan for migration with insight into the size of your existing database and archiving potential for 12 or 24 months

**Sizing for SAP S/4HANA**
Estimate your sizing for the initial installation based on the existing system and after a data clean-up.
Interactive Dashboard shows Readiness Check Results

- Detailing the respective Activities related to each Simplification Item
- Categorizing Activities in mandatory, conditional or optional
- Sequencing Activities into project phases
- Integration with SAP ABAP Test Cockpit to visualize the detailed ATC analysis inside SAP Readiness Check 2.0
Change Paces in Requirements-to-Deploy
Three Different Change Paces in Requirements-to-Deploy

**Fix**
- **Trigger:** Business disruption or standard change
- **Scope:** Small
- **Process Impact:** None
- **Approval:** Individual
- **Deployment:** Unbundled on request or bundled with release
- **Time to delivery:** 1 day – 1 week

**Enhance**
- **Trigger:** Improvement request
- **Scope:** Medium
- **Process Impact:** Minimal
- **Approval:** Individual
- **Deployment:** Bundled with release
- **Time to delivery:** 1 month

**Innovate**
- **Trigger:** Transformation projects, new solutions
- **Scope:** Large
- **Process Impact:** Significant
- **Approval:** Pre-Approved
- **Deployment:** Bundled with release
- **Time to delivery:** 3-12 months

S/4HANA Conversion Project Support provided with Focused Build SP06 as additional starting point for Requirements-to-Deploy

**Portfolio to Project**

**S/4HANA Conversion Project Support**

**Accelerated by**

**Focused Build**
## SAP Solution Manager Integration Model

### Process Flow

The Requirements-to-deploy value chain supports the three different change paces at an optimum.

### Diagram

<table>
<thead>
<tr>
<th>Demand</th>
<th>Design</th>
<th>Development</th>
<th>Test</th>
<th>Deploy</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fix</strong></td>
<td>Program fix required to resolve disruption</td>
<td>Fix immediately, deliver break-fixes and standard changes</td>
<td>As fast as needed.</td>
<td></td>
</tr>
<tr>
<td><strong>Enhance</strong></td>
<td>Enhancement required for daily business operations</td>
<td>Assess enhancement request, negotiate delivery and cost</td>
<td>Deliver enhancement</td>
<td>Bundled in minor release</td>
</tr>
<tr>
<td><strong>Innovate</strong></td>
<td>Strategic initiative for new business model</td>
<td>Model to-be processes, collect Requirements</td>
<td>Plan solution delivery</td>
<td>Deliver solution with continuous business feedback</td>
</tr>
</tbody>
</table>

### No overhead.

**Monitor Solution Readiness**

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SAP Solution Manager Integration Model
Focus Build Document Flow

<table>
<thead>
<tr>
<th>Fix</th>
<th>Demand</th>
<th>Design</th>
<th>Development</th>
<th>Test</th>
<th>Deploy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incident</td>
<td>FB Request for Change</td>
<td>FB Urgent Change</td>
<td>FB Standard Change</td>
<td>Immediately after approval</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Enhance</th>
<th>Demand</th>
<th>Design</th>
<th>Development</th>
<th>Test</th>
<th>Deploy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Requirement</td>
<td>IT Requirement</td>
<td>Change Document</td>
<td>Minor releases</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Innovate</th>
<th>Demand</th>
<th>Design</th>
<th>Development</th>
<th>Test</th>
<th>Deploy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requirement</td>
<td>Work Package, Scope Change</td>
<td>Work Item</td>
<td>Major releases</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Solution Readiness Dashboard
### SAP Solution Manager Integration Model

#### Transaction Types

<table>
<thead>
<tr>
<th>Demand</th>
<th>Design</th>
<th>Development</th>
<th>Test</th>
<th>Deploy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fix</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incident</td>
<td>S1CR</td>
<td>S1HF / S1SG</td>
<td></td>
<td>Immediately after approval</td>
</tr>
<tr>
<td>Enhance</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SMBR</td>
<td>SMIR</td>
<td>SMHF / SMMJ / SMGC / SMAD</td>
<td></td>
<td>Minor releases</td>
</tr>
<tr>
<td>Innovate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S1BR</td>
<td>S1IT</td>
<td>S1MJ / S1CG</td>
<td></td>
<td>Major releases</td>
</tr>
</tbody>
</table>

**Solution Readiness Dashboard**

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Integration Readiness Check in Focused Build
S/4 HANA Conversion Project Support
Integration Readiness Check in Focused Build

SAP Readiness Check for SAP S/4HANA

Excel Export/Import

Simplification Item Management UI5 App

Focused Build

Evaluation and Categorization of Activities

Focused Build Project

Focused Build Requirement

Focused Build Work Package
Simplification Item Management UI5 Application

- Graphical display of Simplification Items and related Conversion Activities by Condition, Phase, Type, Status and Follow-Up Type
- Table display with all Simplification Items and related Conversion Activities and their most-important information
- Powerful and fast multi-filter options
- Direct Creation of Follow-Up Requirements or Work Packages and Assignment of Focused Build Projects
- Postponement or Rejection of non-required Activities directly possible from the UI5 application
How-To
SAP Note 2913617 - SAP Readiness Check 2.0 documents all required, also technical prerequisites to perform the check in your Production System.

After all data are collected the results can be exported from the system.
SAP Readiness Check – Upload

- The downloaded file can be uploaded in the SAP Readiness Check Application [here](#).
- The analysis can be edited online.
- When the Readiness Check is finalized it can be exported as zip-file.
Upload of SAP Readiness Check in Focused Build

- The zip-file is used for importing the Readiness Check Result into Focused Build
- The Simplification Items and Activities are created in the background
- Related Information like Activity Type, LoB, Business Area or Manual Status are visible in the tool
- Is the starting point for the planning of the next project steps in Focused Build
- Direct creation of Requirements or Work Packages out of Activities or assignment of Focused Build Projects
- Tight integration in Focused Build Workflows with automatic status update
SP06 Simplification Item Process Flow
Detailed Workflow

![Simplification Item Process Flow Diagram](image)

- **Created**
- **Follow-Up Created**
- **In Realization**
- **Completed (FINI)**

- **Postponed**
  - Set by Activity

- **Rejected (FINI)**
  - Set by Activity

- Manual status setting: Solid line
- Automated status setting: Dashed line
SP06 Activity Process Flow
Detailed Workflow

- **Activity**
  - Created
    - Postpone
  - Postponed
    - Set by Req, WP
    - Reject
  - Rejected (FINI)
    - Set by Req, WP
    - Reject
  - Follow-Up Created
    - Create Proj, Req, WP
  - In Realization
    - Set by Proj, Req, WP
  - Completed (FINI)
    - Set by Proj, Req, WP

= manual status setting
= automated status setting
Focused Build Methodology
Simplification Item / Activity High-level Workflow

Simplification Item
- Created
- Follow-Up Created
- In Realization
- Completed

Activity
- Created
- Follow-Up Created
- In Realization
- Completed

Project
- Created
- Released
- Completed

Requirements
- Draft
- Approved
- In Realization
- Realized
- Completed

Work Package
- Created
- Scoping
- To Be Developed
- Handed over to Release
- Productive/Completed

= automated status setting
= manual status setting
Functionality in Detail
S/4HANA Conversion – Role-specific additional tasks

- **Project roles:** Tool Lead, SAP Basis Administrator

- **Responsibilities:**
  - Technical Landscape Preparation for SAP Readiness Check
  - Execution of SAP Readiness Check
  - Upload of SAP Readiness Check Result online in Readiness Check Application
  - Evaluation of Analysis for technical topics:
    - Sizing
    - Data Volume Management
    - Add-On Compatibility
    - Technical Conversion Activities, e.g. Interface Changes

- **Tasks:**
  - Prepare
    - Implement required notes on ERP Landscape
    - Execute Collector Report in Production System
    - Export file and upload it in Readiness Check Application
    - Evaluation of technical findings
    - Upload Analysis in Focused Build
  - Explore
    - Create Requirements/Work Packages or perform Project Assignments for technical conversion Activities
S/4HANA Conversion – Role-specific additional tasks

- **Project roles:** Project Lead, Program Management Office

- **Responsibilities:**
  - Evaluation of Analysis from overall perspective
  - Assessment of required effort based on provided information
  - Perform project planning

- **Tasks:**
  - Prepare
    - Analysis of estimated effort for found Activities
    - Coordinate decisions about conditional and optional Activities
  - Realize
    - Track Progress of Activities
S/4HANA Conversion – Role-specific additional tasks

- **Project role:** Solution Architect

- **Responsibilities:**
  - Evaluation of Activities according to their Business Area
  - Assessment of required Activities and planning of follow-up-tasks

- **Tasks:**
  - Prepare
    - Decide about conditional and optional Activities in his area
  - Explore
    - Create Requirements/Work Packages or perform Project Assignments for conversion Activities
The following notes must be implemented in the latest version on the ERP-Landscape:

- 2758146 - SAP Readiness Check 2.0 & Next Generation SAP Business Scenario Recommendations or SAP Innovation and Optimization Pathfinder

In addition, if you want to analyze additional data in the Readiness Check, the following notes are relevant as well:

- Custom Code: 2185390 - Custom Code Analyzer
- S/4HANA Sizing: 1872170 - ABAP on HANA sizing report
- Simplification Item Check: 2399707 - Simplification Item Check
- Business Process Analytics: 2745851 - Business Process Improvement Content for "SAP Readiness Check 2.0"
- Idoc-Data: 2769657 - INR: Interface Discovery for Idoc
- Data Volume Management: 2721530 - FAQ for collecting DVM data during S/4 HANA Readiness Check
- Business Partner/Customer-Vendor: 2811183 - Enabling BP/CVI Analysis with Readiness Check 2.0
- Innovation Potential: 2811183 - Enabling BP/CVI Analysis with Readiness Check 2.0
Execute Collector Report

On the productive ERP-system, execute report RC_COLLECT_ANALYSIS_DATA

1. Select Target S/4HANA Version
2. Schedule as background Job
3. Decide on start time
4. Confirm your setup

After the Job is finished execute RC_COLLECT_ANALYSIS_DATA again, this time click on Download Analysis Data to retrieve the zip-file needed for uploading it in the Readiness Check Application.
Upload file in Readiness Check Application

- Click on **Start New Analysis** and provide a name, your customer information and the analysis file generated in the step before
- The file is analysed and the Readiness Check is generated (takes about 30 to 60 minutes)
Evaluation of technical findings

Besides the Simplification Items and Conversion Activities the SAP Readiness Check provided a lot of additional, technical topics that are relevant for the SAP Basis while preparing the Conversion Project:

- Initial Sizing and future Growth of the HANA Database
- Compatible Add-Ons and activated Business Functions
- Status of BW-Extractors and Idoc-Interfaces
The Readiness Check can be edited online (e.g. putting Simplification Items out of scope)

After the Readiness Check editing is finished it can be transferred to Focused Build (Note: There is no delta-upload existing, therefore only the final Readiness Check version should reach Focused Build)

You can download a zip-file directly from the Readiness Check Application
Upload Analysis in Focused Build

- The Simplification Item Management in Focused Build is started from an own tile in the Conversion Project Area.
- In the Overview screen a new Readiness Check can be uploaded.
- The uploaded file must be provided in English language.
- Before the Simplification Items and Activities are created in Focused Build several checks are executed, e.g. if there are wrong values in the Excel-sheets contained in the zip-file.
Upload Checks

- If one of the checks during the upload is failing an error message is shown
- In the Application Log an own object has been introduced which can be analysed for further details
- The following checks are performed:
  - Maximum number of Activities uploaded (adjustable)
  - Provided URL in SAP Note Section
  - Provided values in the different excel-columns
  - Duplicate-Check – every Readiness Check can only be uploaded once
Technical Conversion Activities

- Use the filter criteria to identify Activities related to the technical infrastructure
- Based on phase and condition of the Activities the required work can be planned and scheduled
- Conditional or optional Activities can be postponed to a later stage or directly rejected if they are not necessary
- For mandatory Activities Requirements or Work Packages can be created or existing Master/Build/Single Projects can be assigned
- SAP Readiness Check 2.0 in the latest version offers the field Effort Ranking which can be used to get a better impression of the expected effort for the upcoming conversion project
- Use the filter-function to check together with the Solution Architects these Activities where the effort must be assessed
- Define together with the Solution Architects which Follow-Up is required for these Activities
The provided dashboards help to get a quick overview about the status of the Activities in the current Conversion Project.

- With the Filter-functionality Activities can be checked e.g. by status, follow-up type or condition.
- The follow-up types like Requirement or Work Package can be directly opened from the Simplification Item Management application.
Area-specific decisions

- Use the filter-dropdowns like LoB or Business Area to identify Activities where you are responsible for.

- The table below the graphs shows the used filters and the Activities matching these criteria.

- Optional and conditional Activities can be postponed or rejected.

- If mandatory Activities should be postponed/rejected an error message is displayed.
**Creation of Follow-Up**

You can select one or several Activities and create Requirements or Work Packages as Follow-Up or you assign an existing Master, Build or Single Project (e.g. for complex Activities like Success Factors Implementation)
Create Requirements as Follow-Up

- In the Requirement Creation Screen you have the possibility to change the title of the Requirement.

- In case you selected several Activities from the same Simplification Item a warning is displayed that the titles should be different. This helps later to identify the Requirements easier.

- When clicking on Save the Requirements are created and their information are available in the table.

<table>
<thead>
<tr>
<th>Title of Follow-Up Document</th>
<th>Activity Type</th>
<th>Phase</th>
<th>Condition</th>
<th>Additional Information</th>
<th>LOB</th>
<th>Business Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>S4TWL - Assemblies</td>
<td>User Training</td>
<td>During conversion project</td>
<td>Optional</td>
<td>User need to be trained to use new process instead of PSM Assembly</td>
<td>R&amp;D/Engineering</td>
<td>Product Lifecycle Management</td>
</tr>
<tr>
<td>S4TWL - Assemblies</td>
<td>Process Design / Blueprint</td>
<td>Before or during conversion project</td>
<td>Mandatory</td>
<td>In SAP S/4HANA, the functions related to assemblies in product structure management (PSM) within SAP Product Lifecycle Management (SAP PLM) are ...</td>
<td>R&amp;D/Engineering</td>
<td>Product Lifecycle Management</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Follow-Up Type</th>
<th>Follow-Up ID</th>
<th>Follow-Up Title</th>
<th>Follow-Up Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requirement</td>
<td>8000020945</td>
<td>S4TWL - Assemblies User Training</td>
<td>Draft</td>
</tr>
<tr>
<td>Requirement</td>
<td>8000020946</td>
<td>S4TWL - Assemblies</td>
<td>Draft</td>
</tr>
</tbody>
</table>
As soon as a Follow-Up has been created/assigned to the Activity the status is updated only by this Follow-Up.
SP06 Requirements Management Process Flow
Detailed Workflow

- Draft
  - Send for Approval
  - Revise
  - Recover
  - Withdraw

- Rejected
  - Set by WP
  - Postpone

- Canceled (FINI)
  - Postpone

- Postponed
  - Set by WP

- To Be Approved
  - Approve

- Approved
  - Create WP

- In Realization
  - Set by WP

- Realized
  - Set by WP

- Completed (FINI)
  - Set by WP

Note: = manual status setting
     --- = automated status setting
Create Work Packages as Follow-Up

- In the Work Package Creation Screen you have the possibility to change the title of the Work Package and you must choose a Work Package Classification (Gap, WRICEF, Fit or Non-Functional).

- In case you selected several Activities from the same Simplification Item a warning is displayed that the titles should be different. This helps later to identify the Work Packages easier.

- When clicking on **Save** the Work Packages are created and their information are available in the table.
SP06 Work Package Process Flow
Detailed Workflow Part I

The Functional Gap functionality is inactive by default
SP06 Work Package Process Flow
Detailed Workflow Part II

The Functional Gap functionality is inactive by default

- In Development
- In Repair
- To Be Tested
- Successfully Tested
- Handover to Release
- Productive
- Completed (FINI)

- Postponed
- Scope Extension
- Reverse Scope Extension
- Create Scope Change
- Extend Scope
- Preliminary Import Requested
- Confirm Successful Test
- Handover to Release
- Set by WI
- Set by DC
- Set by WI
- Set by WI
- Set by WI
- Set by WI

= manual status setting
= automated status setting

= manual status setting
= automated status setting

The Functional Gap functionality is inactive by default.
Assign Projects as Follow-Up

In the Project Assignment Screen you have the possibility for every single Activity you selected to assign an individual project.

Only Master, Build and Single Projects in status Created or Released are available from the dropdown.

When clicking on Save the project is assigned and the information is available from the table.
Thank you.