



V20181128

SAP User Groups

SAP S/4HANA 1809 – Key adoption scenarios to consider

Christian Vogler, SAP S/4HANA Product Management & Co-Innovation, SAP SE – Germany

November, 2018

CUSTOMER

SAP S/4HANA®

THE BEST RUN 

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Agenda

Introduction

Overview Transition Scenarios

System Conversion

- SAP Readiness Check for SAP S/4HANA
- Maintenance Planer
- Simplification Item Checks and Simplification Item Catalog

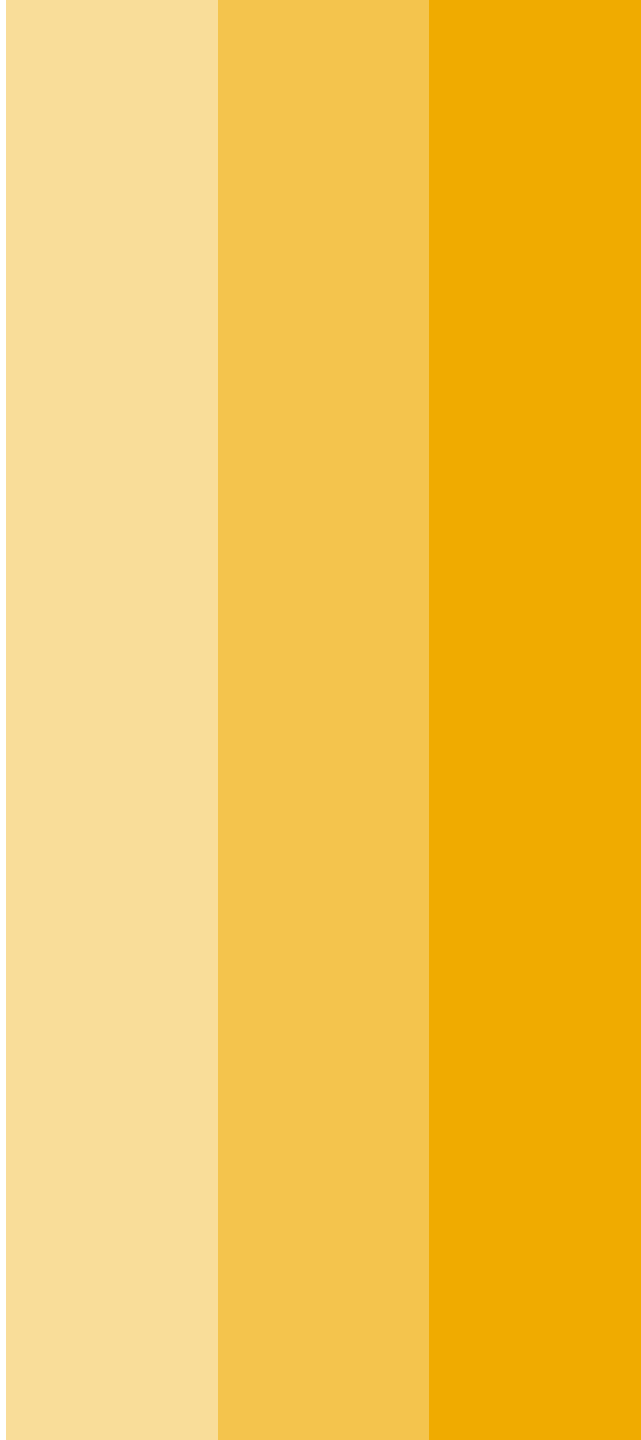
Tools Overview

- SAP Transformation Navigator
- SAP Roadmap Viewer
- Sap Best Practice Explorer
- SAP Migration Cockpit

Additional Information



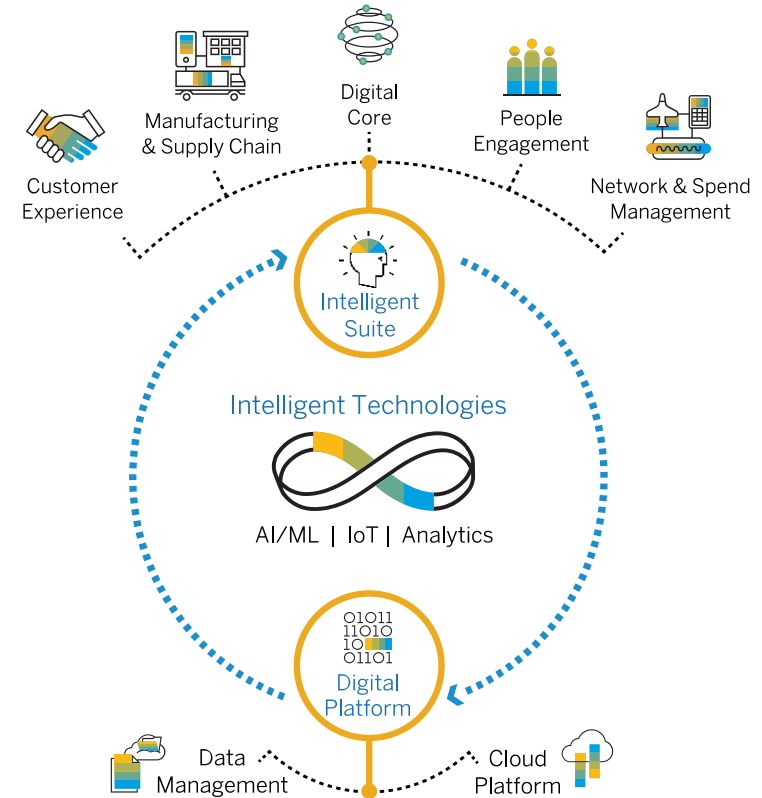
Introduction



SAP S/4HANA – Digital Core

SAP S/4HANA is SAP's next generation Digital Core

- Optimized for SAP HANA
- New architecture and data models
- “Principle of One”
- Renewed applications
- Fiori based User Experience
- Cloud & on-premise deployment models



SAP S/4HANA is a *new* product line.

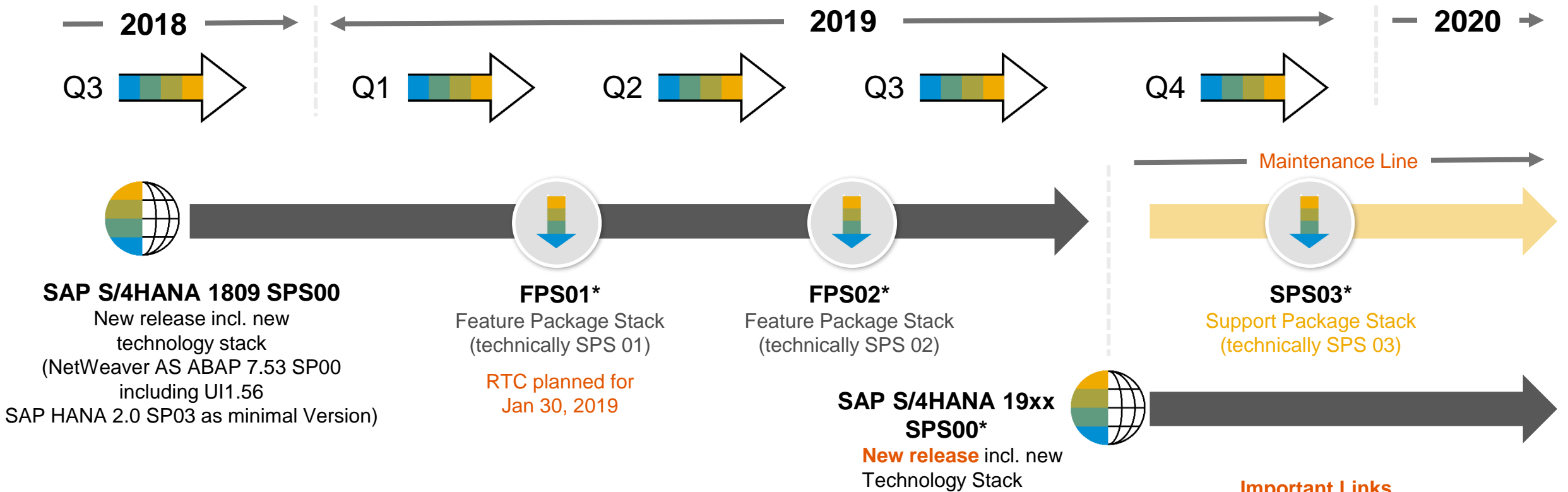
The classical SAP Business Suite & SAP ERP is a separate product line and will still be available.

System conversion including custom code from existing SAP Business Suite or SAP ERP is possible.

SAP S/4HANA

Release strategy for 2018 / 2019 and definition of deliveries

SAP LABS PREVIEW



SAP S/4HANA 1809 SPS00
 New release incl. new technology stack (NetWeaver AS ABAP 7.53 SP00 including UI1.56
 SAP HANA 2.0 SP03 as minimal Version)

FPS01*
 Feature Package Stack (technically SPS 01)
 RTC planned for Jan 30, 2019

FPS02*
 Feature Package Stack (technically SPS 02)

SAP S/4HANA 19xx SPS00*
 New release incl. new Technology Stack

SPS03*
 Support Package Stack (technically SPS 03)

Support Package Stack for SAP S/4HANA 1809*

After general availability of SAP S/4HANA 1809, Feature Package Stacks (FPS) and Support Package Stacks (SPS) contains stabilizations bundled with corrections and legal changes. Customers benefit from this functionality as part of their maintenance fee. First SPS of a new release can contain selected features and are labelled Feature Package Stack (FPS) accordingly.

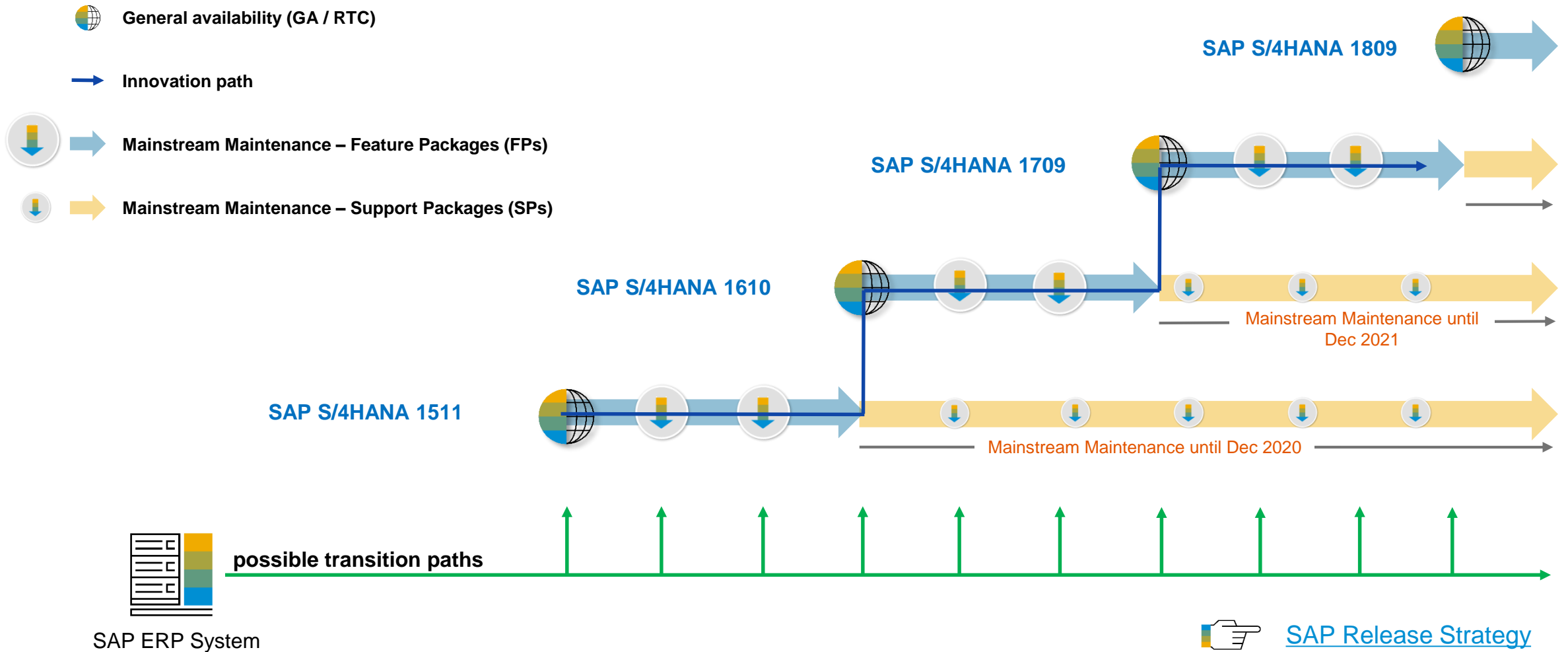
Support Package Stacks are compiled periodically and made available on the [SAP Software Download Center](#)
 Product information will be available on the [User Assistance Content Platform](#)

Important Links

- [2659710 - SAP S/4HANA 1809: Restriction Notes](#)
- [2655761 - Restrictions and recommendations regarding specific revisions of the SAP HANA database for use in SAP S/4HANA](#)

SAP S/4HANA Release Strategy














Definition of deliveries and possible adoption paths



Overview Transition Scenarios

Transition to SAP S/4HANA

Different approaches to move to SAP S/4HANA

Type	Approach	Available for	Purpose
Reusing by in-place conversion 	System conversion (Tool: Software Update Manager)	   <p>SAP ERP system SAP S/4HANA</p>	Bringing your business processes to the new platform <ul style="list-style-type: none"> A complete technical in-place conversion of an existing ERP software system in SAP Business Suite to SAP S/4HANA Adoption of new innovations at your speed
Reengineering with data migration  Standardized  Customer tailored	New implementation (Tool: SAP S/4HANA migration cockpit)	    <p>SAP ERP or third-party system(s) SAP S/4HANA SAP S/4HANA Cloud</p>	New implementation/reimplementation <ul style="list-style-type: none"> Reengineering and process simplification based on latest innovations Implementing innovative business processes with preconfigured content on a new platform Performing initial data load Retiring old landscape
	Landscape transformation (Customer-tailored service/consulting offering)	   <p>SAP ERP or third-party system(s) SAP S/4HANA</p>	Value-driven data migration to the new platform <ul style="list-style-type: none"> You need more than master data and open items, such as transactional data, complete or selected by a time slice Migrate a selection of data (such as by organizational units), or migrate data from more than one system, or migrate application-related data into an SAP S/4HANA–based solution landscape



The SAP S/4HANA family and transition paths

SAP Business Suite

(for example, BS7i2013)



SAP ERP system
(on AnyDB)

or



SAP ERP system
(on SAP HANA)

SAP S/4HANA family



SAP S/4HANA Cloud






SAP Simple Finance, on-premise edition 1503,
SAP S/4HANA Finance 1605*



SAP S/4HANA

*Technically SAP ERP 6.0 EHP 7,8, on SAP HANA 1.0
with SAP Simple Finance add-on

-  System conversion
-  New implementation
-  Landscape transformation

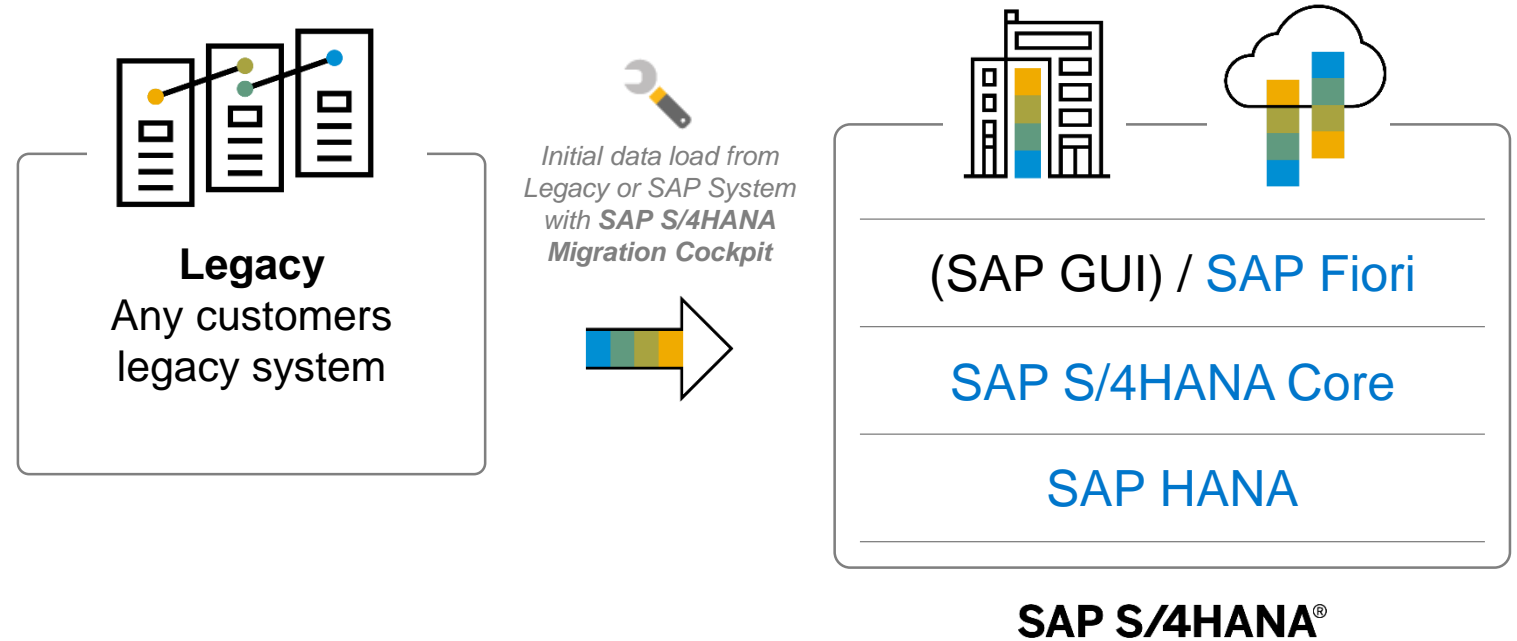
SAP S/4HANA

New Implementation

Scenario description

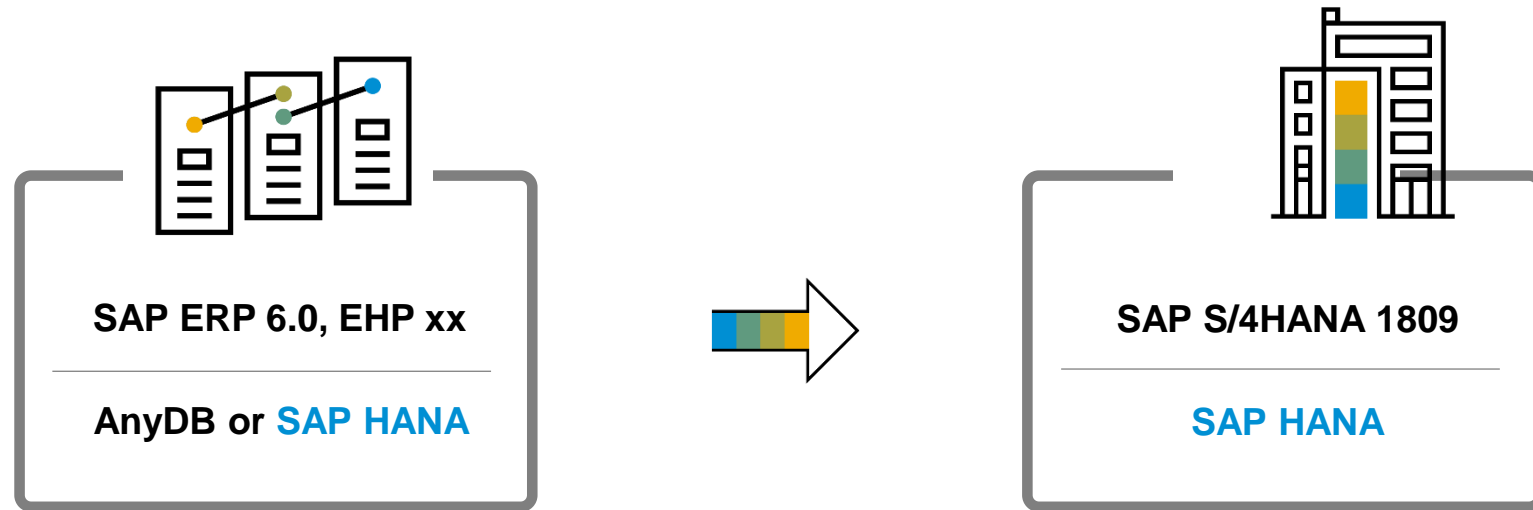
New implementation of SAP S/4HANA e.g. for customers migrating a legacy system.

What	How
1 Install SAP S/4HANA	SWPM (Software Provisioning Manager)
2 Initial data load from source system	<ul style="list-style-type: none"> SAP S/4HANA Migration Cockpit (Legacy system via file upload) Optional: SAP Data Services with SAP Best Practice Migration content



SAP S/4HANA

System Conversion – Transition Paths Overview (1/2)



Prerequisites on source system

- Unicode is required
- ABAP single stack required
- SAP HANA database not required
- *SAP Suite on HANA customers who are planning a system conversion to SAP S/4HANA 1709 or 1809 must first update the database from SAP HANA 1.0 to SAP HANA 2.0 and then do the system conversion*

Prerequisites on target system

- SAP S/4HANA 1809 is based on SAP ABAP Platform 1809
- SAP ABAP Platform 1809 has different OS coverage



[SAP S/4HANA System Conversion – At a glance](#)

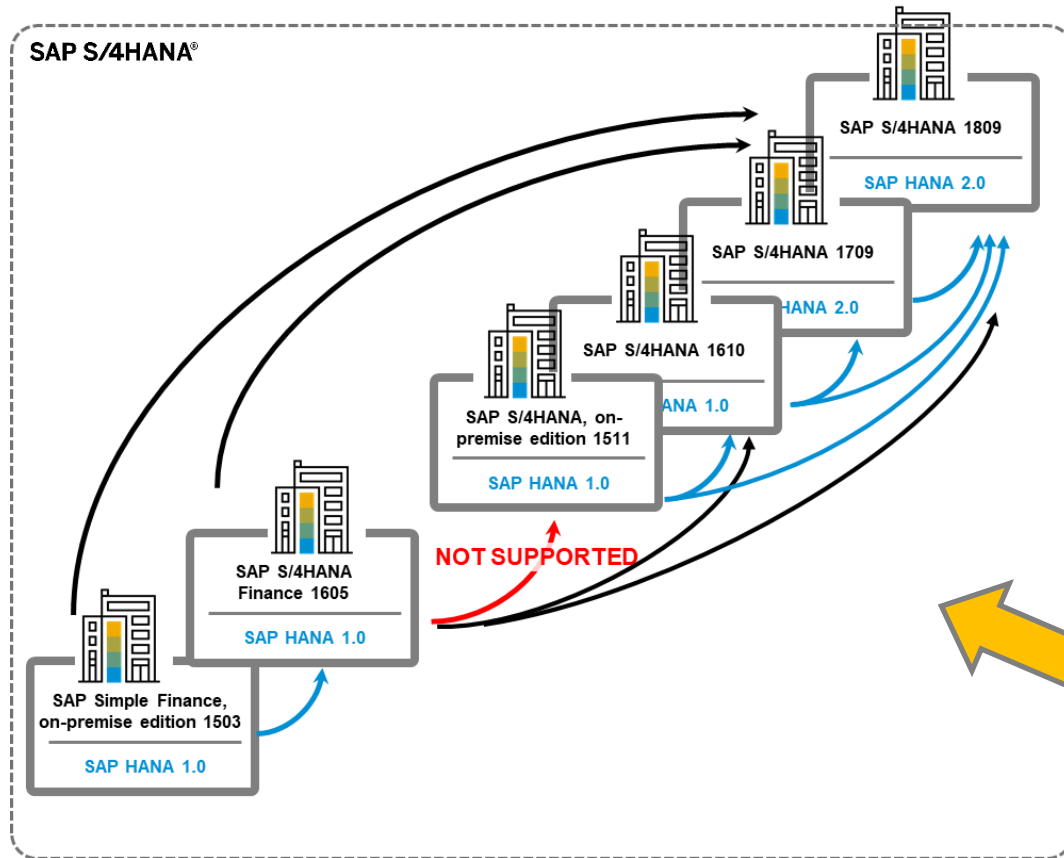
Conversion requirements incl. min./max. SP-level on source system:

[2625407 - SAPS/4HANA 1809: Release Information Note](#)

[2482453 - SAP S/4HANA 1709: Release Information Note](#)

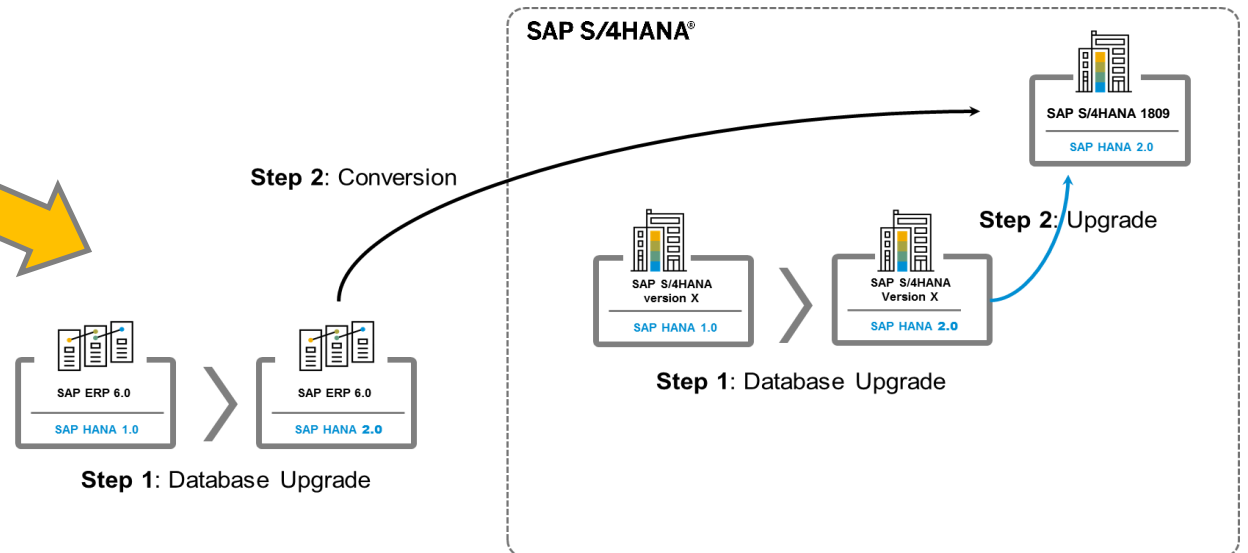
SAP S/4HANA

System Conversion – Transition Paths Overview (2/2)



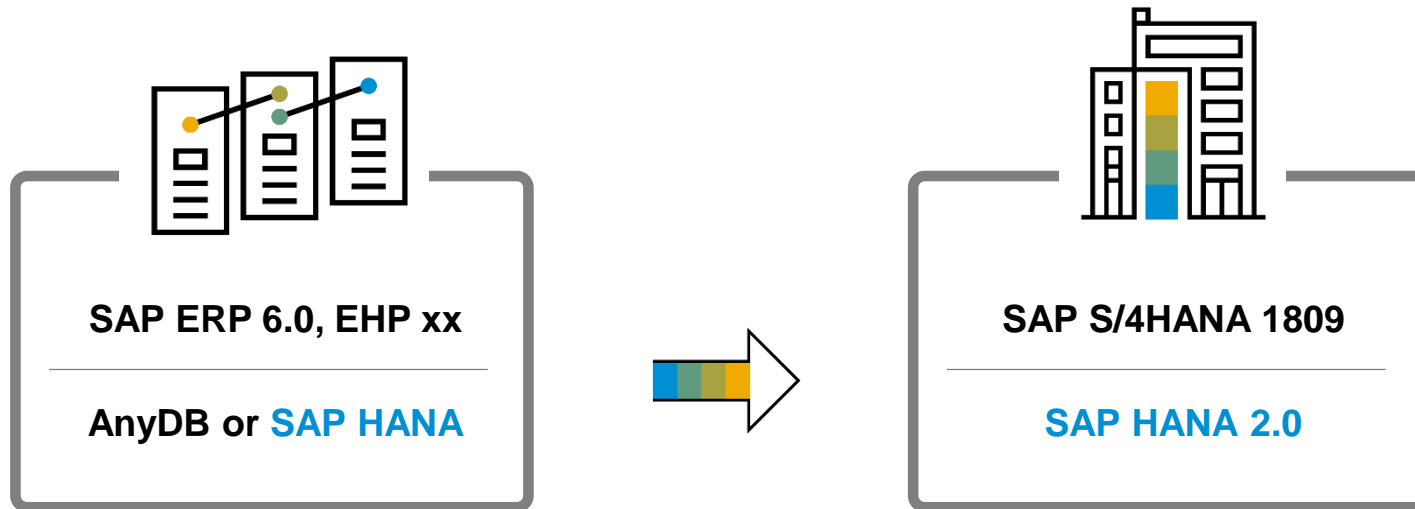
- System conversion from SAP S/4HANA Finance to SAP S/4HANA
- Upgrade within the SAP S/4HANA product family

SAP S/4HANA conversion or upgrade to release 1709 and 1809 with upgrade from SAP HANA 1.0 to SAP HANA 2.0 :



SAP S/4HANA

System Conversion – Transition Paths Overview (3/3)



Notes on source system

- Unicode is required
- ABAP single stack required
- SAP HANA database **not** required

Notes on target system

- SAP S/4HANA 1809 is based on ABAP Platform 1809
- ABAP Platform 1809 has different OS coverage



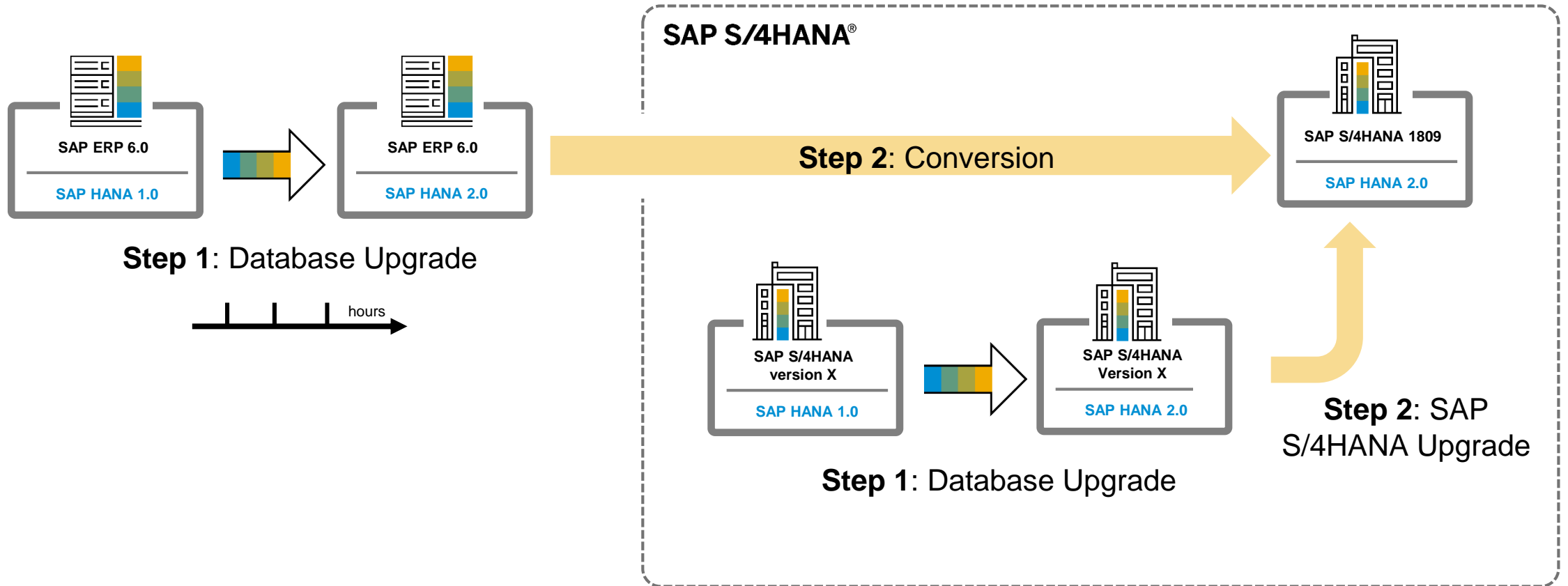
Conversion requirements incl. min./max. SP-level on source system:
[2625407 - SAP S/4HANA 1809: Release Information Note](#)



[2620910 - SAP S/4HANA ... and SAP BW/4HANA 1.0: Recommended Application Server Platforms](#)

SAP S/4HANA System Conversion or Upgrade

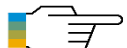
SAP HANA 1.0 to SAP HANA 2.0



[SAP Note 2625407](#) – SAP S/4HANA 1809: Release Information Note

[SAP Note 2655761](#) - SAP S/4HANA - restrictions and recommendations regarding specific revisions of SAP HANA database for use in SAP S/4HANA

[SAP Note 2339267](#) – SAP HANA client version versus SAP HANA server version



SAP S/4HANA

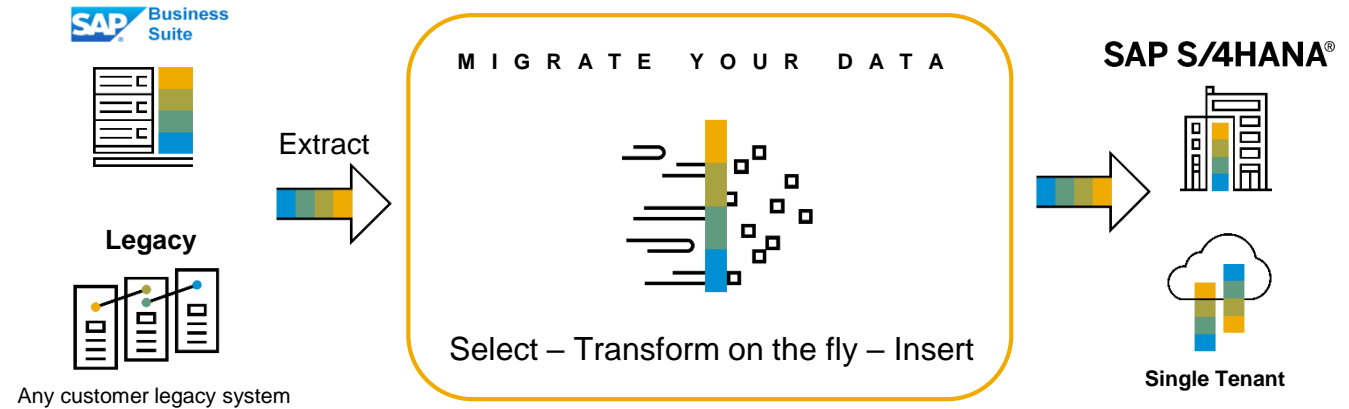
Landscape Transformation

Scenario description

Customers who want to consolidate their landscape or to selectively transform data into an existing SAP S/4HANA system.

Why would you choose this option?

- Value-based migration: selective data transformation allows a phased approach focusing the first SAP S/4HANA migration phase on parts of the business with highest ROI and lowest TCI
- Agility: stay on current business processes but move gradually to SAP S/4HANA innovations → Move to SAP S/4HANA at your own pace
- TCO reduction: system and landscape consolidation with harmonized/simplified processes and unified master data lead to lower cost of operations



Technical migration on table level using pre-configured LT transformation solutions

Consolidation	System Merge of multiple source systems into one SAP S/4HANA system or transfer of clients into existing SAP S/4HANA system (build-up multiple client system)
Selective Data Transformation	Migration of business units/single entities such as company code Re-platforming scenarios, e.g. PP/DS

Real-time reposting

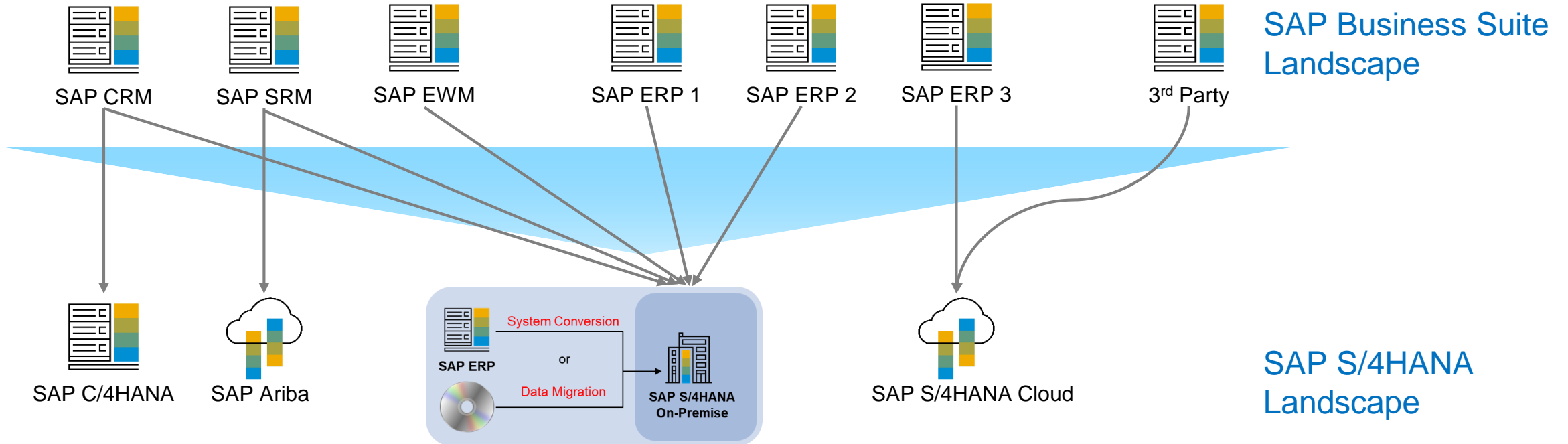
Implementation of central finance *	Real-time reposting of financial transactions into Central Finance instance, e.g. to enable centralized reporting using SAP S/4HANA (synchronization of systems / side-car scenario)
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* SAP S/4HANA for central finance foundation (Central Finance)

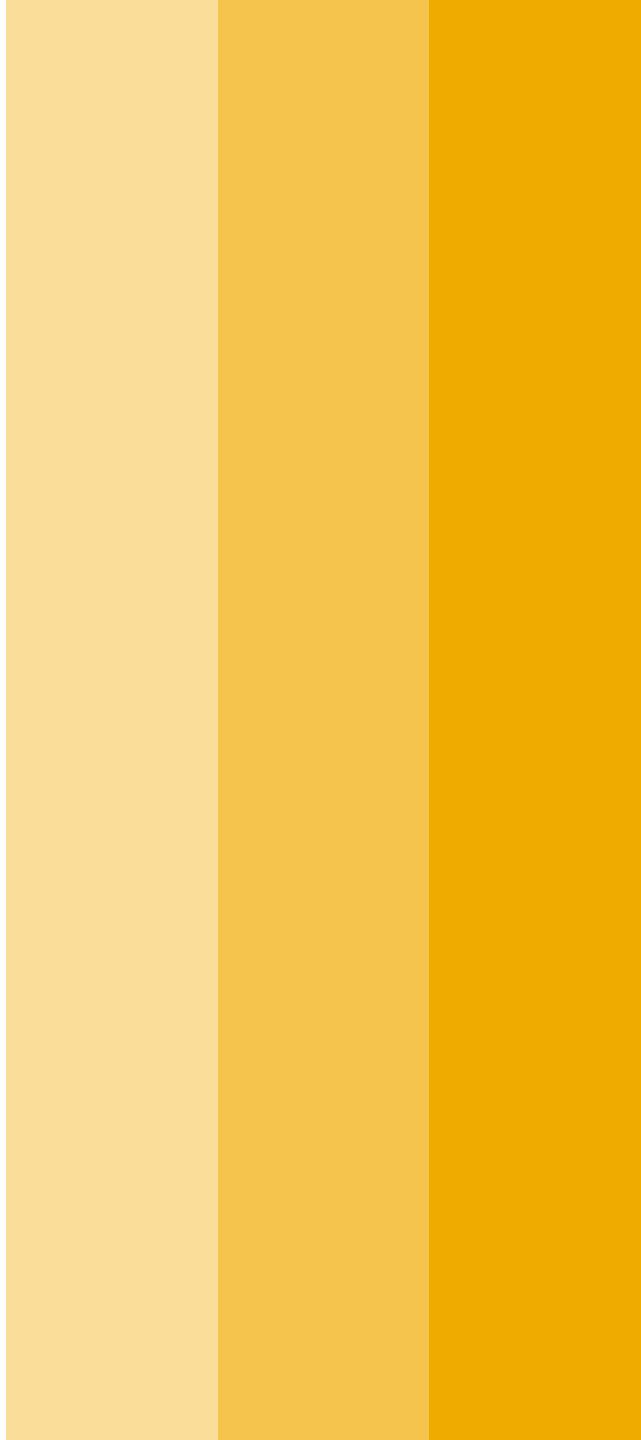
This is the current state of planning and may be changed by SAP at any time without notice.

SAP S/4HANA

Landscape Transformation – Landscape point of view

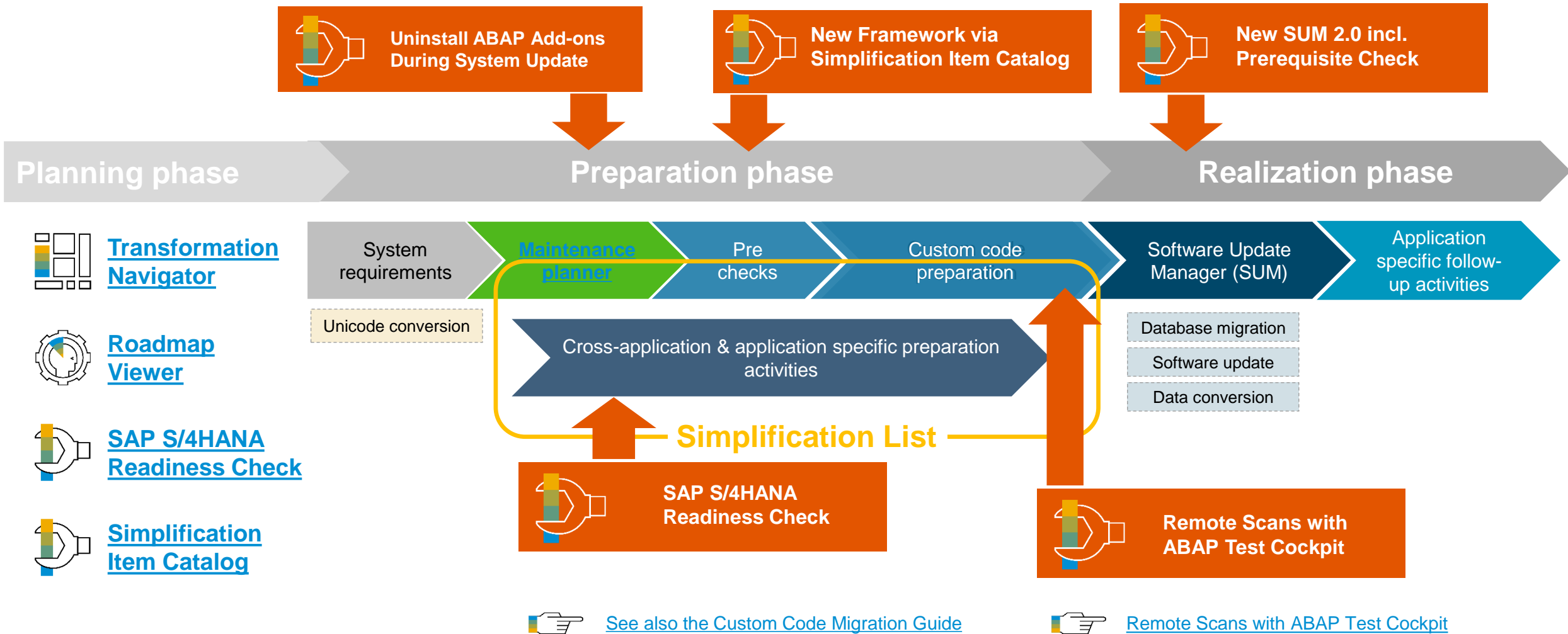


System Conversion



SAP S/4HANA

Important tools supporting your transition to SAP S/4HANA



SAP Readiness Check

Preparing Systems

How much **HANA** do I need?

Are my **add-ons** compatible with SAP S/4HANA?

What **SAP Fiori apps** are available?

What **business functions** are affected?

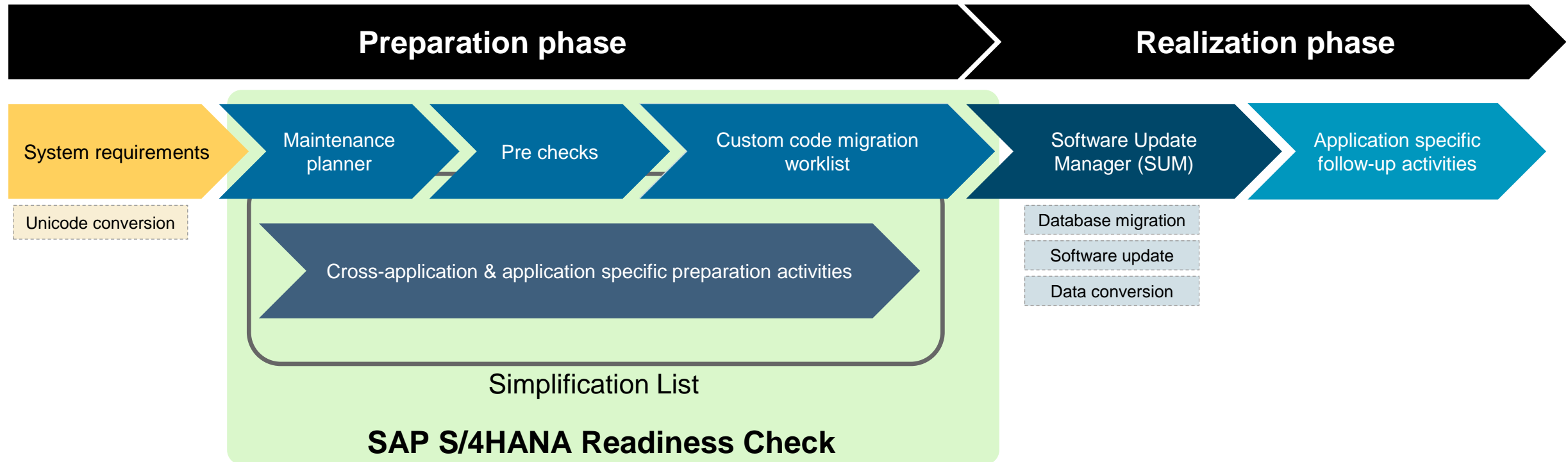
What **transactions** are affected?

Will my **custom code** work with SAP S/4HANA and if not, what do I do?



SAP S/4HANA System Conversion

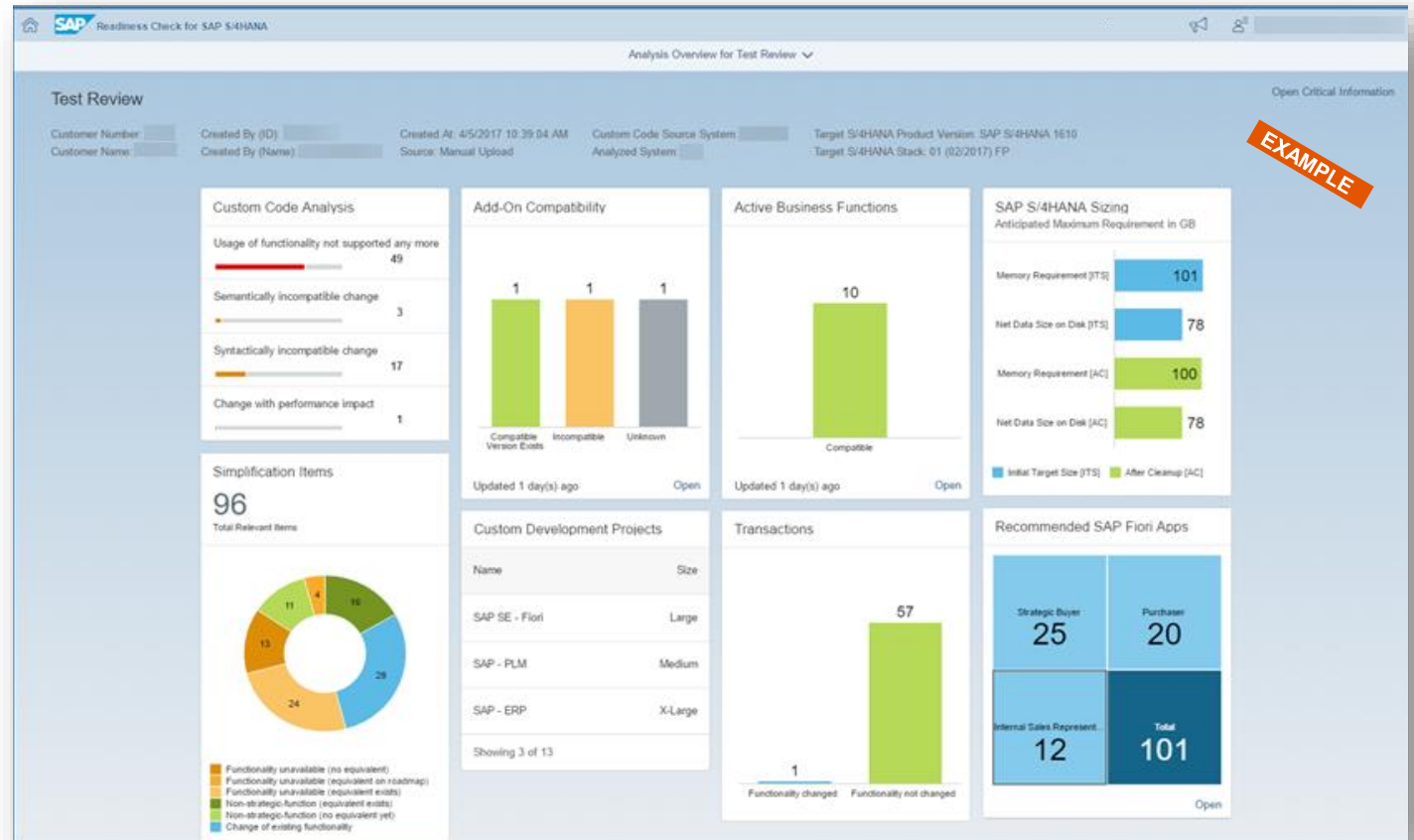
Overview technical process steps



SAP Readiness Check for SAP S/4HANA

Available for all customers included in maintenance

- Customers can initiate their SAP ERP system analysis themselves, getting an overview on the most important aspects and potential requirements of an SAP S/4HANA system conversion (e.g. Simplifications, Custom Code, Business Functions, Add-ons and Transactions).
- A new cloud solution based on SAP Solution Manager is available for all customers included in maintenance as of May 29th 2017.
- Minimum source release is SAP ERP 6.0 EHP 0, any database.
- Supports all SAP S/4HANA releases as target.
- Using the Readiness Check is optional but highly recommended.



[SAP Help Portal: SAP Readiness Check](#) and SAP note [2290622](#)

SAP Readiness Check for SAP S/4HANA

Add-Ons & Business Functions

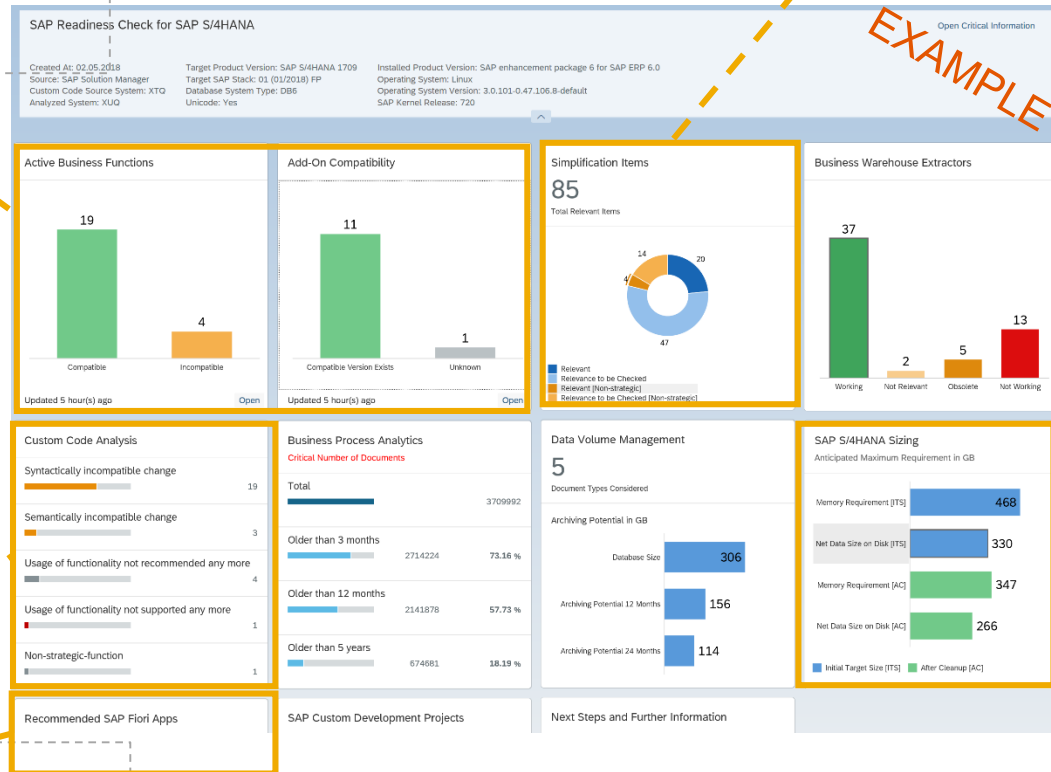
- SAP Add-Ons and Business Functions as well as 3rd party Add-Ons have to be checked for their compatibility with SAP S/4HANA
- SAP software is listed and rated
- 3rd party software is listed only

Simplification items

- Simplification Items represent application or architecture changes in comparison to ERP
- About 560 Simplification Items exist for SAP S/4HANA 1809
- They are grouped by business priority (e.g. Core Finance) and industry, respectively

Custom Code & Custom Dev

- Custom Code analysis vs. SAP S/4HANA compliance, based on SAP simplification database
- SAP Readiness Check provides BOM of affected objects as well as SAP Custom Development Projects (CDP's)
- An in-depth custom code management activities to follow during project execution



EXAMPLE

S/4HANA Sizing

- To prepare for SAP S/4HANA, a system sizing is the baseline for further discussions regarding the future target size
- SAP Readiness Check summarizes the technical sizing result so that customers can further engage internally, with SAP or with partners to discuss the future target system size

Recommended Fiori Apps

- Fiori apps recommended based on the transaction usage history in the evaluated system

SAP Readiness Check for SAP S/4HANA

Approach

1. Prepare source system

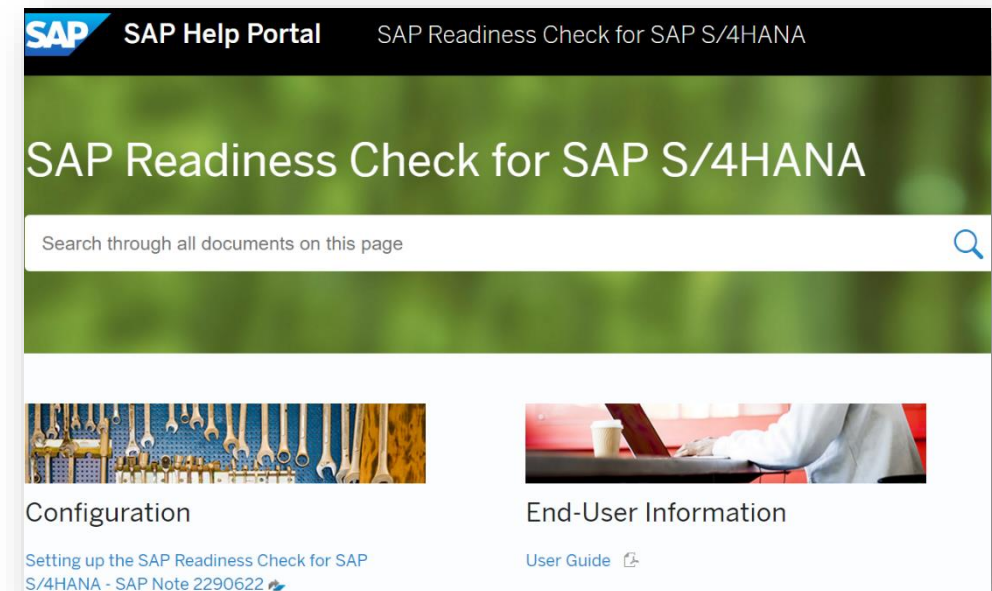
- Minimum release: SAP ERP 6.x EhP0 on any database
- Help portal: https://help.sap.com/viewer/p/SAP_READINESS_CHECK
- SAP Readiness Check tool preparation note: [SAP Note 2290622](#)

2. Execute program SAP Readiness Check

- Via your local SAP Solution Manager system (recommended)
- Via our direct cloud upload

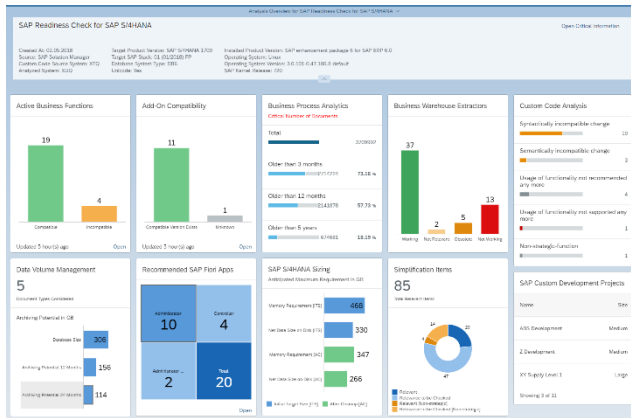
3. Explore results to start Conversion project

- Recommendations dashboard per system, sent via email as url link
- Engage [SAP Digital Business Services](#) or your preferred implementation partner



What's next | SAP Readiness Check 2.0 for SAP S/4HANA

SAP LABS PREVIEW



Which of these are effort drivers?

Are there showstoppers and how to mitigate them?



What are recommended next steps?

Where to set the focus first?

So far, so good...

- Functional impact analysis
- Sizing & Data Volume Management
- Software pre-requisites
- Indicative custom code impact

Planned for 2019...

- PM view on effort drivers and showstopper mitigation
- Deep system analysis for key areas (e.g. CVI)
- Guidance through the jungle of data
- Action plans
- New design
- ...and more!

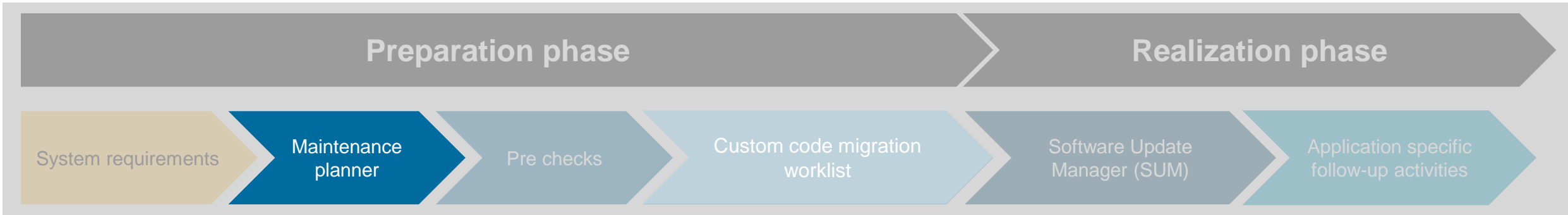
SAP Readiness Check for SAP S/4HANA versus Simplification Item Checks

	Type	Requires SAP Solution Manager	User Interface	Types of checks included	Called by Software Update Manager (SUM)	Mandatory	Granularity	Use cases	Usable with
SAP Readiness Check for SAP S/4HANA	Customer self service provided by SAP Digital Business Services (included as of standard support)	Yes	Cloud based web interface	<ul style="list-style-type: none"> • Simplification Item Relevance • Custom Code • Recommended Fiori Apps • Add-on Compatibility • SAP Custom Development Projects • SAP S/4HANA Sizing • Business Functions 	No	No	High Level	Conversion to SAP S/4HANA	SAP S/4HANA, on-premise edition 1511 or higher
Simplification Item Checks	ABAP Report	No	SAPGUI	<ul style="list-style-type: none"> • Simplification Item Relevance • Check System Consistency before the conversion or upgrade 	Yes	Yes	Detailed	Conversion to SAP S/4HANA Upgrade to a higher SAP S/4HANA release	SAP S/4HANA 1709 or higher

Maintenance planner

SAP S/4HANA – System Conversion

Maintenance Planner



- Solution hosted in SAP Support Portal at: <http://apps.support.sap.com/sap/support/mp>
- Simplifies landscape maintenance process to update, upgrade and install systems with ease and efficiency
- Entry via *Plan for SAP S/4HANA* entry tile
 - Offered to ease transition to new product line
 - Automatically integrates all building blocks (such as SAP Fiori)
- Define changes (based on your landscape data in customer profile)
- Select files (like you did in *Maintenance Optimizer*)
- Push all required tools, archives and `stack.xml` to your download basket



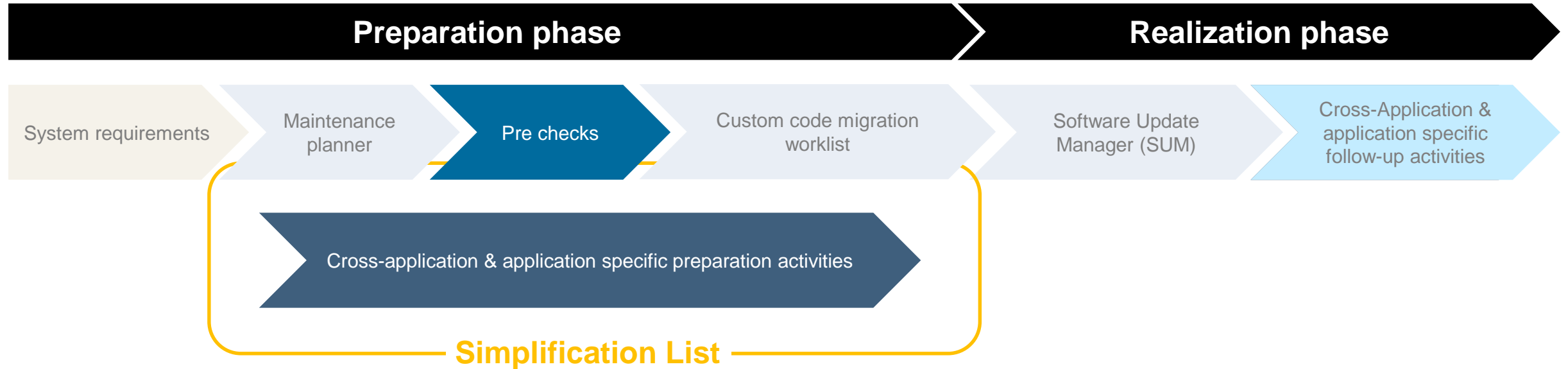
More information:
<http://help.sap.com/maintenanceplanner>
<http://scn.sap.com/docs/DOC-65243>

Simplification Item Catalog

Simplification Item Checks

SAP S/4HANA System Conversion

Simplification Item Catalog



The **Simplification List** is a collection of **Simplification Items**. Within a Simplification Item it is described what is the difference of a functionality between SAP Business Suite and SAP S/4HANA.

- Currently the Simplification List provides this information per each dedicated SAP S/4HANA on-premise release, and
- will be provided as part of the SAP S/4HANA documentation.
- A Simplification Item does have a simplification category and provides information about the potential impact for the customer.
- Based on the simplification item custom code check analysis can be executed.
- Will be used by the SAP Readiness Check

Simplification Item Catalog

SAP Simplification Item Catalog

Knowledge Base Enter search term

Simplification Item Catalog

To help customers to better prepare for the transition to SAP S/4HANA and SAP BW/4HANA, the simplification item catalog provides customers with a description of all relevant changes that might have an impact when converting from SAP ERP to SAP S/4HANA or SAP BW to SAP BW/4HANA. Within each topic, which is referred to as a "simplification item", corresponding SAP Notes and mitigation possibilities are documented.

Search Simplification Item by title, ID, or business impact note View All

Simplification Items Grouped by Product Version

Product Version	Number of Items
SAP S/4HANA 1809	547 Items
SAP S/4HANA 1709	527 Items
SAP S/4HANA 1610	466 Items
SAP BW/4HANA 1.0	85 Items

- In order to help customers to better prepare for the transition to SAP S/4HANA, the Simplification Item Catalog provides customers with a description of all relevant changes that might have an impact when converting from SAP ERP to SAP S/4HANA

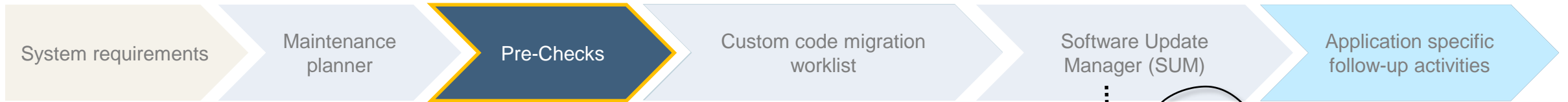
- Within each topic, which is referred to as a "Simplification Item", corresponding SAP Notes and mitigation possibilities are documented.
- In parallel the Simplification List for SAP S/4HANA 1809 will still be available as PDF document in the SAP Help Portal.

Search Simplification List
Search Simplification List by SAP S/4HANA Release, Topic or related SAP notes.

 [Follow this link to Simplification Item Catalog](#)

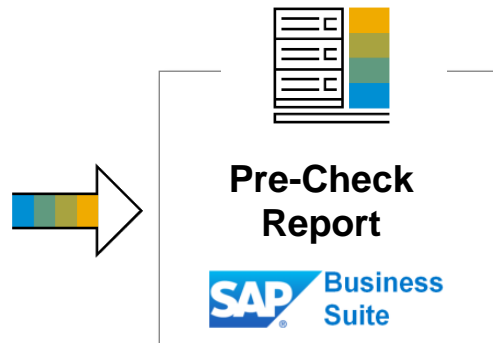
SAP S/4HANA System Conversion

Simplification List and Pre-Checks



- Pre-checks are shipped as SAP Notes to customers that plan to convert to SAP S/4HANA.
- Pre-checks are executed on the (SAP Business Suite) start system (preparation phase) to determine relevant **Simplification Items**.
- Pre-Checks are executed again as step in the Software Update Manager (SUM). In case dedicated Simplification Items require mandatory preparation steps the conversion procedure can stop to ensure a consistent system conversion.

Pre-Check
 The pre-check framework will be delivered via one SAP Note and all coded pre-check classes will be delivered with one TCI Note (Transport-Based Correction Instructions)



Customer-specific Simplification List

S-Item Title	Area	Relevancy	Business Impact Note
COST ELEMENTS	FIN - Controlling	✓	2270419
Currencies in Universal Journal	FIN - General	✓	2344012
Business Partner Approach	Master Data	✓	2265093
...	...	✓	...

Tools

SAP Transformation Navigator

SAP Transformation Navigator

SAP Transformation Navigator

Clear Guidance to Live Business

Create Product Map

Open Product Map

Get started on your digital transformation journey

We'll help you choose the right SAP products and solutions for your digital transformation journey.



Create Your
Product Map



Build Your
Business Case



Plan Your
Journey

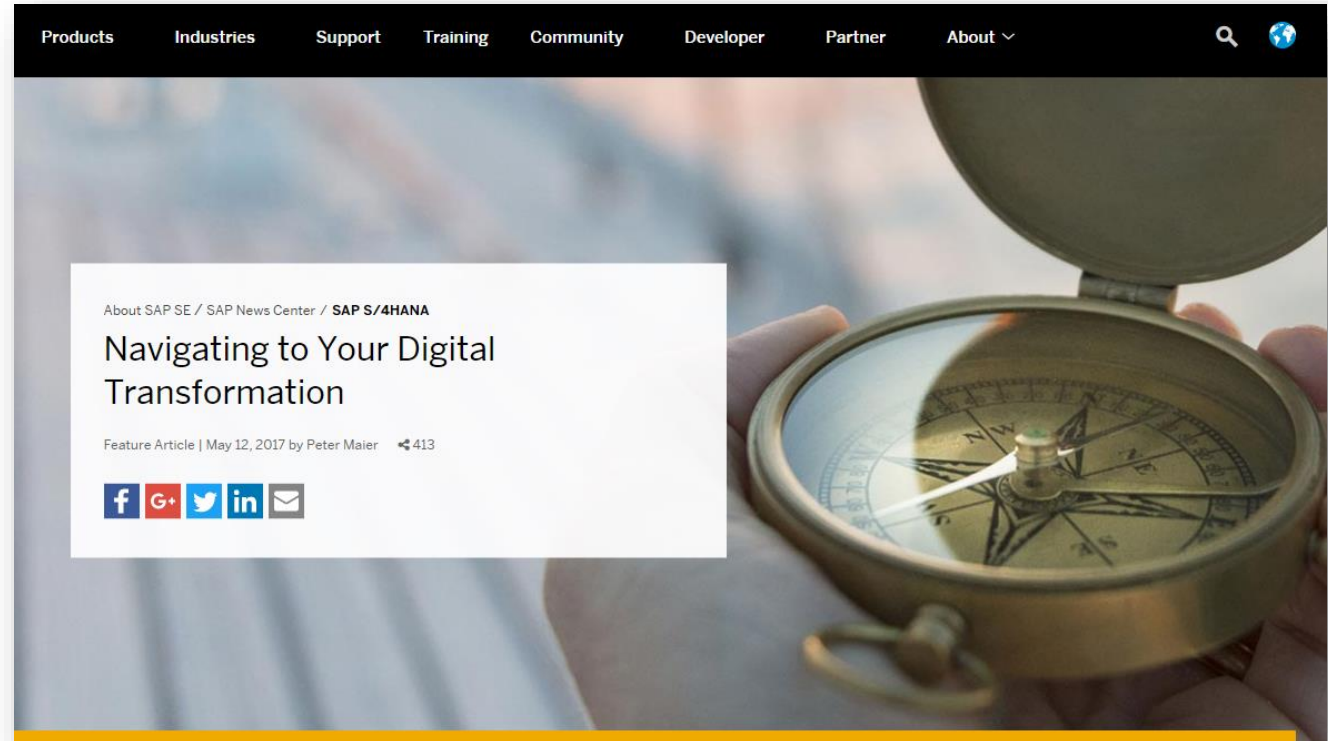


[Follow this link to SAP Transformation Navigator](#)

Navigating to Your Digital Transformation

SAP Transformation Navigator is a self-service tool to give our customers in all industries and across all lines of business clear guidance to the SAP S/4HANA-centric world.

SAP Transformation Navigator looks at your current product map in the context of your business and IT strategies to come up with clear recommendations for your future Product Map. For changes in your product map we provide information about integration, SAP transformation services, and licenses.



SAP Transformation Navigator

Detailed scope

Which products to use?
Which solution to
use in which use-case?

- Product recommendation for all currently used products
- Pre-load of solution profile from SAP Solution Manager + ability to add products
- Capability based addition of product recommendations
- Recommendation sensitive to deployment strategy (e.g. Cloud vs. on-premise) and current scope of use (e.g. ERP modules/solution capabilities)
- Suitable for landscape transformation, business transformation and greenfield approach
- 3y roadmaps for on premise, rolling 4 quarter roadmaps for cloud products and solutions

Cost of Migration?

- Transition type (e.g. upgrade, conversion, process transformation) transparent
- Overview of necessary transitions and available services

Integration?

- Integration technology guidance paper
- Integration guides

Value of innovation?

- All products have capability based value drivers
- Top value drivers have aspiration ranges
- Realization Tracking KPIs mapped

Cost of new solution?

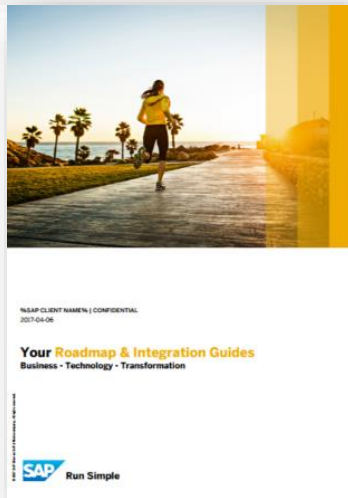
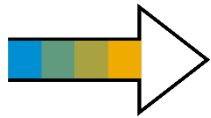
- Relevant licenses and conversion policies described

SAP Transformation Navigator generates the set of customer guides

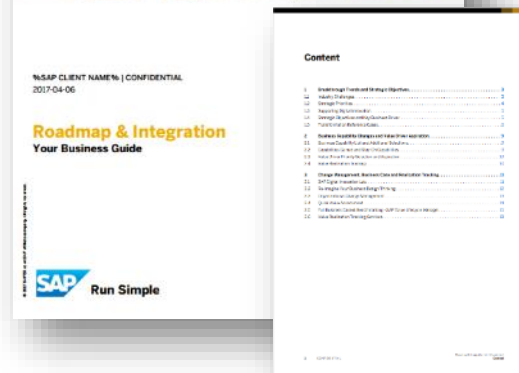
SAP Transformation Navigator (self service tool)



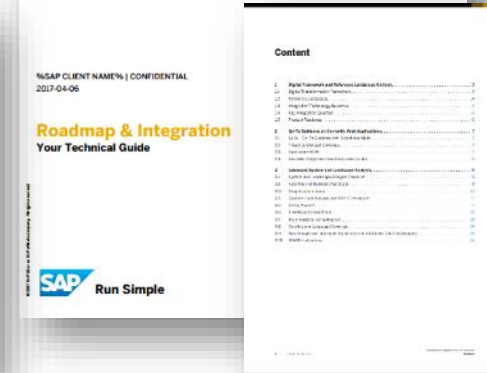
Generates



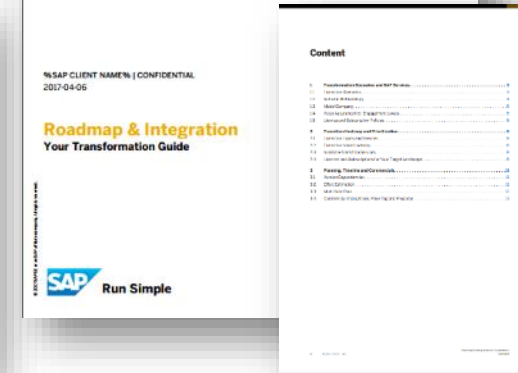
Business Guide Why?



Technical Guide What?

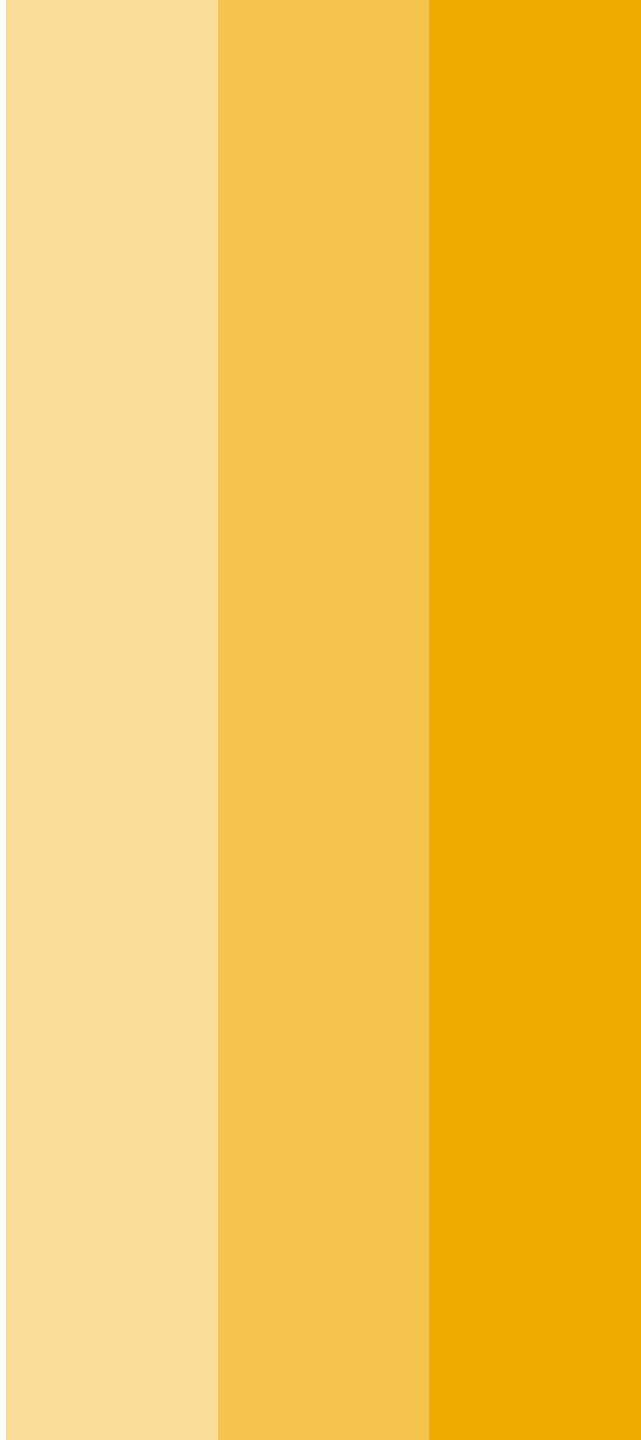


Transformation Guide How?



Tools

Roadmap Viewer



SAP Road Map Viewer

The SAP road map viewer enables customers to easily get access to SAP Activate Methodologies and Solution Manager roadmaps. That means the road map viewer is typically used at the beginning of S/4HANA implementations for discovery and validation purposes providing an “always up-to-date” version of a S/4HANA road map.

The purpose of this road map is to support implementation projects of SAP S/4HANA with a structured documentation to:

- Manage risk proactively
- Make implementation projects predictable
- Create a viable foundation through transparency of all activities and tasks

The SAP road map viewer serves as a starting point for project planning, and must be tailored and maintained continuously as part of the project planning and execution activities. Customers can load the SAP Activate roadmaps from the road map viewer into SAP Solution Manager 7.2 for use as project plan templates.

In case customers need additional help on top of the offered self-service, SAP provides dedicated services supporting the implementation of SAP S/4HANA, the so-called “SAP S/4HANA Value Assurance service packages”.



Transition to SAP S/4HANA

Transition to SAP S/4HANA

Description Roadmap Structure

You are now at the entrance of the road map "Transition to SAP S/4HANA".

Please note:

- Click **More** for a road map summary.
- Select a **phase** for documentation of all activities and tasks within that phase.
- Select a **work stream** for documentation of all activities and tasks within that work stream.
- Select a **service** to learn what activities are supported by that SAP Value Assurance service.

"Transition to SAP S/4HANA" documents SAP's recommended approach on how to implement SAP S/4HANA on premise. The structure of the road map represents all activities of all implementation scenarios ("System Conversion", "New Implementation", and "Landscape Transformation"), and needs to be tailored to the customer specific case as part of the early project planning activities. You can get an editable version of this picture by clicking the [Download Project Plan link](#).

Project Mgmt.	DISCOVER	PREPARE	EXPLORE	REALIZE	DEPLOY	RUN
Application: Solution Adopt.	Enab. Charter	Enab. Analysis	Org. Change Management (OCM)	Enab. Realization		
Application:	Scoping	Activate Selection	Fit Gap / Delta Design	Configuration	Product Enhancements	

Roadmap Structure

Phases	Workstreams	Services
Discover	Application: Design & Configuration	Planning the Digital Transformation
Prepare	System & Data Migration	Engagement Foundation
Explore	Application: Solution Adoption	Custom Code Management
Realize	Project Management	Platform Execution
Deploy	Custom Code Extensions	Build Design Support

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[Follow this link to Roadmap Viewer](#)

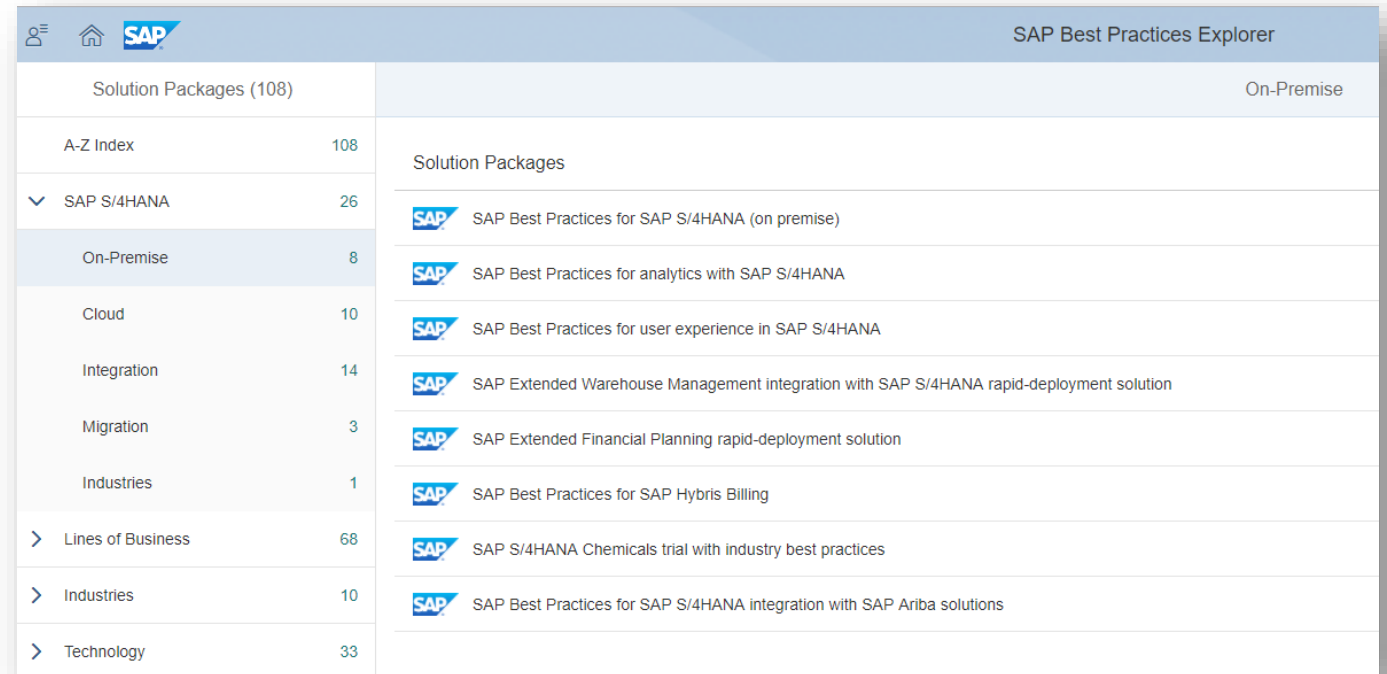
Tools

SAP Best Practice Explorer

SAP Best Practices Explorer

With SAP Best Practices (also known as SAP Rapid Deployment Solutions, SAP RDS) SAP delivers standardized business practices, implementation methods and accelerators for a wide range of SAP software.

The packaged solutions are published in SAP Best Practices Explorer as packages with assets covering solution design, configuration and software and delivery requirements.



The screenshot shows the SAP Best Practices Explorer interface. The top navigation bar includes the SAP logo and the title 'SAP Best Practices Explorer'. Below the navigation bar, there is a table with two columns: 'Solution Packages (108)' and 'On-Premise'. The table lists various solution packages, including 'SAP S/4HANA', 'On-Premise', 'Cloud', 'Integration', 'Migration', 'Industries', 'Lines of Business', and 'Technology'. The 'On-Premise' category is selected, and a list of solution packages is displayed on the right side of the interface.

Solution Packages (108)	On-Premise
A-Z Index	108
▼ SAP S/4HANA	26
On-Premise	8
Cloud	10
Integration	14
Migration	3
Industries	1
> Lines of Business	68
> Industries	10
> Technology	33

Solution Packages

- SAP Best Practices for SAP S/4HANA (on premise)
- SAP Best Practices for analytics with SAP S/4HANA
- SAP Best Practices for user experience in SAP S/4HANA
- SAP Extended Warehouse Management integration with SAP S/4HANA rapid-deployment solution
- SAP Extended Financial Planning rapid-deployment solution
- SAP Best Practices for SAP Hybris Billing
- SAP S/4HANA Chemicals trial with industry best practices
- SAP Best Practices for SAP S/4HANA integration with SAP Ariba solutions



To download content, you need an account for the [User Assistance Content Platform](#)



[Follow this link to SAP Best Practice Explorer](#)

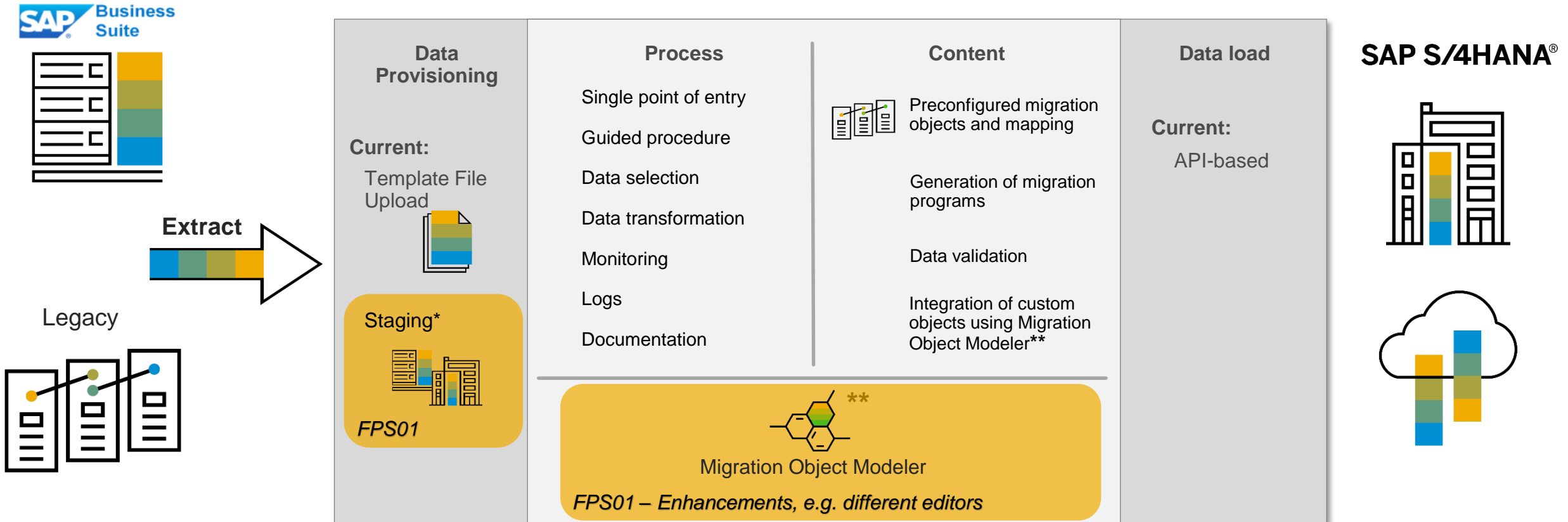
Tools

SAP S/4HANA Migration Cockpit

SAP S/4HANA 1709 FPS01

Migration Cockpit

SAP S/4HANA® Migration Cockpit



*Available for on-premise as of 1709 FPS01

**Available for on-premise as of 1610 FPS02

SAP S/4HANA 1709 FPS01

Key Innovations



Tools

SAP S/4HANA Migration Cockpit

- **Staging area** as alternative source for data migration with bigger data volume.
- **Migration Object Modeler** with usability improvement for additional project view and additional transformation types (e.g. variables, global data)
- **Optional:** Enhance Migration Object Modeler with search functionality (Object Information System) to allow customer to search in preconfigured content

SAP S/4HANA Migration Cockpit

Context

When implementing your SAP S/4HANA solution, you can migrate your master data and business data from SAP systems and non-SAP systems to SAP S/4HANA. To do this, you use the SAP S/4HANA migration cockpit.

The SAP S/4HANA migration cockpit facilitates the transfer of business data from a source system to SAP S/4HANA. The SAP S/4HANA migration cockpit uses migration objects to identify and transfer the relevant data. A migration object describes how to migrate data for a specific business object to SAP S/4HANA. It contains information about the relevant source and target structures, as well as the relationships between these structures. It also contains mapping information for the relevant fields, as well as any rules used to convert values that are migrated from source fields to target fields. SAP provides predefined migration objects that you can use to transfer your data.

You can access the SAP S/4HANA migration cockpit by using transaction LTMC.

Prerequisites

To transfer data using the SAP S/4HANA migration cockpit, role SAP_CA_DMC_MC_USER is required. To use the SAP S/4HANA migration object modeler (transaction LTM01), role SAP_CA_DMC_MC_DEVELOPER is required.

The corresponding role for each migration object is also required.

Use the business role SAP_BR_ADMINISTRATOR_DATA_REPL (Administrator – Data Replication) to access the **Manage Key Mapping** app in the **Data Replication** app group. You can use this app to check the key mappings that were entered in the Unified Key Mapping Service (UKMS) during the data load. Currently, UKMS supports following migration objects: Customer, Supplier, Material, FI-CA Contract partner, and FI-CA Contract Account.

For additional considerations, see SAP Note [2481235](#) - SAP S/4HANA Migration Cockpit (on-premise) - restrictions and extensibility of pre-delivered migration objects.

A test script is available for the migration process. For information about how to access the test script, see SAP Knowledge Base Article [2577342](#). Note that the test script is only relevant for transferring data to SAP S/4HANA using files.

Options for Transferring Data

There are two options for transferring data to SAP S/4HANA:

- You can use files to specify the relevant data.
You can use Microsoft Excel XML files (provided by SAP) for each migration object that is relevant for the transfer. You download the file for the migration object, specify the relevant data, and then upload the file.
- You can use staging tables to specify the relevant data.
The SAP S/4HANA migration cockpit can automatically create staging tables in a staging system (running SAP HANA) for each migration object that is relevant for your project. You can fill the staging tables with data either manually or by using your preferred tools (for example SAP Agile Data Preparation).



SAP S/4HANA Migration Cockpit: [SAP Help Portal](#)

Key SAP Notes

[2481235](#) - SAP S/4HANA Migration Cockpit - restrictions and extensibility of pre-delivered migration objects

[2537549](#) - Collective note and FAQ for SAP S/4HANA Migration Cockpit

SAP S/4HANA Migration Cockpit – Migration Approaches

SAP LABS PREVIEW



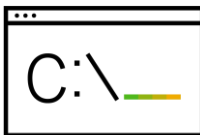
Transfer Data Using Files

- download template file for relevant migration object
- populate file with relevant business data
- upload file to the SAP S/4HANA migration cockpit



Transfer Data Using Staging Tables

- staging tables are created automatically (in a SAP HANA DB schema)
- populate staging tables with business data
- transfer data from staging tables to target SAP S/4HANA system



Transfer Data Directly from SAP Source System (planned with SAP S/4HANA 1809 FPS01)

- access source system database directly (ABAP-based SAP source systems only)
- transfer data from SAP source system to target SAP S/4HANA system
- supports data migration scenarios from other applications, e.g. from SAP Apparel and Footwear (AFS) to SAP S/4HANA Fashion and Vertical Business

SAP S/4HANA Migration Object Modeler

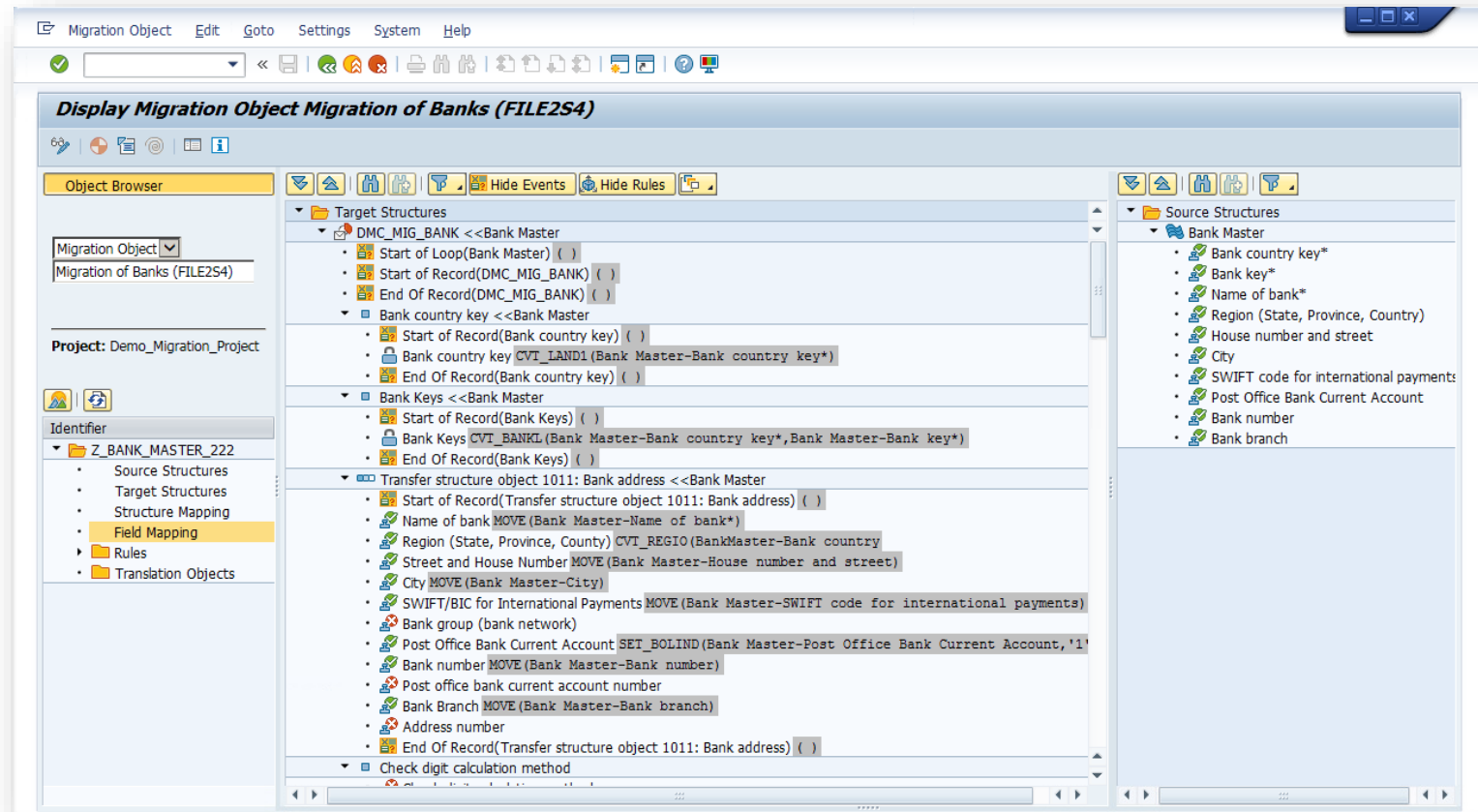
SAP S/4HANA Migration Object Modeler is part of the SAP S/4HANA Migration Cockpit

Design tool to easily integrate custom objects and enhancements

Integration of newly created objects

- Custom objects
- SAP standard objects that are not yet in the scope of the SAP S/4HANA Migration Cockpit

Customer-specific enhancements (e.g. add new fields) to SAP standard objects delivered with the SAP S/4HANA Migration Cockpit.



[Follow this link to SAP Help for the SAP S/4HANA Migration Cockpit](#)

SAP S/4HANA Migration Cockpit

SAP Notes and KBAs



Collection of all SAP Notes and most of the KBAs belonging to **CA-GTF-MIG**

[2538700](#)

[Collective SAP Note and FAQ for SAP S/4HANA Migration Cockpit \(Cloud\)](#)

[2537549](#)

[Collective SAP Note and FAQ for SAP S/4HANA Migration Cockpit \(on premise\)](#)

Pre-filled migration templates w/ sample data and PDF that explains the data

[2470789](#)

[SAP S/4HANA Migration Cockpit \(Cloud\) - Sample data migration templates](#)

Currently only available for SAP S/4HANA Cloud

Central Notes for Migration Cockpit Tool

[2376533](#)

[Migration Cockpit & SLT on S/4 HANA On-Premise Edition 1610](#)

[2475034](#)

[Migration Cockpit & SLT on S/4 HANA On-Premise Edition 1709](#)

Lists all changes in the current, previous, and upcoming next **release**

[2568909](#)

[SAP Release Note for SAP S/4HANA Cloud data migration content](#)

Additional Information

SAP S/4HANA Deployment Strategy

Tool List

Discover



Build Your Business Case

- [SAP Fiori apps reference library](#)
- [Business Scenario Recommendations \(BSR\)](#)
- [Solution Explorer](#)
- [Value Lifecycle Manager \(VLM\)](#)
- [Pathfinder](#)
- [Innovation Discovery Tool](#)
- [SAP Roadmap](#)
- [SAP Best Practice Explorer](#)
- [SAP S/4HANA Trial](#)
- [Feature Scope description](#)

Determine



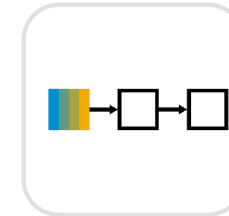
Prepare



Adapt



Migrate



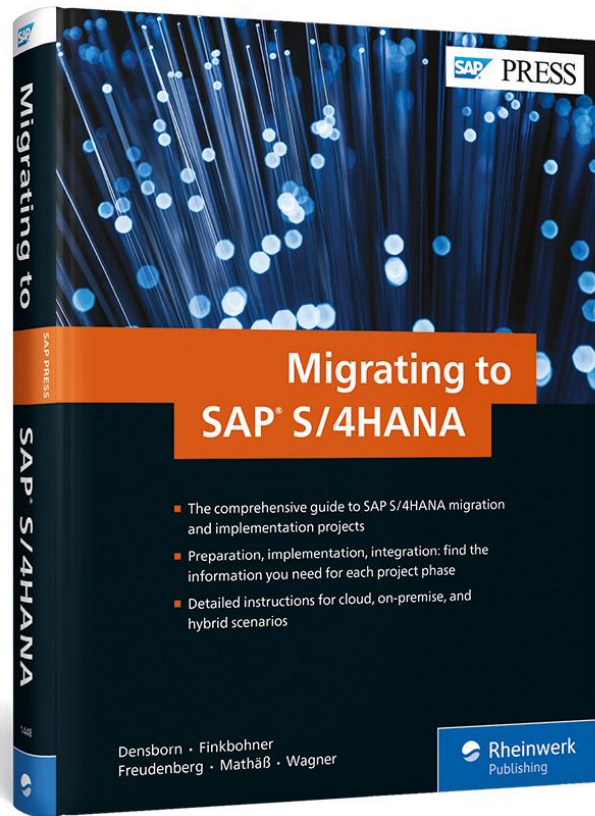
Discover Your Destination

- [SAP Roadmap Viewer](#)
- [SAP Transformation Navigator](#)
- [SAP Readiness Check for SAP S/4HANA](#)
- [Simplification Item Catalog](#)
- [Simplification Item Check](#)
- [Code Inspector / Custom Code Migration Worklist](#)
- [Pre-Checks](#)

Execute Your Move

- [SAP Activate](#)
- [Maintenance Planner](#)
- [Migration Cockpit](#)
- [SAP Data Services with Rapid Data Migration content](#)

Transitioning to SAP S/4HANA? Get Your Guide for the Road ahead!



Migrating to SAP S/4HANA

- www.sap-press.com/4247
- www.sap-press.de/4213 (German)
- Amazon.com: [Link](#) / Amazon.de: [Link](#)

It's time to start planning your SAP S/4HANA transition! In this book you'll learn about the SAP S/4HANA transition scenarios to find your way to move to SAP S/4HANA. Step-by-step instructions will help you prepare, implement, and integrate SAP S/4HANA.

In this book, you'll learn about:

- SAP S/4HANA - The basics
 - The challenges of the digital transformation
 - Cloud, on-premise, and hybrid scenarios
 - SAP Business Suite vs. SAP S/4HANA
- SAP S/4HANA - The Transition Scenarios
 - Step-by-step guide moving to SAP S/4HANA Cloud
 - Step-by-step guide moving to SAP S/4HANA On-Premise
 - SAP S/4HANA Migration Cockpit
 - Integrate SAP S/4HANA in your system landscape
 - SAP Central Finance

Other important documents and resources

Help Portal	Central access point for S/4HANA related information - all releases, all deployment models, release restrictions, documentation, trials, conversion guides...	http://help.sap.com/s4hana
Feature Scope Description	Legally relevant scope documentation; „what's in the core license, what has an extra license“. One document per shipment; covers scope of the technical S4 shipment	http://help.sap.com/s4hana
Simplification List	Technical view: Important changes in S/4HANA: Deprecated functions, replacements, mitigation. Available as pdf (via help.sap.com) or xls (SAP note 2313884)	https://launchpad.support.sap.com/#/notes/0002313884
Solution Explorer	Explore solutions by Industry / LoB / Technology / Suite – business process view; links to Solution Capabilities and license materials	https://solutionexplorer.sap.com/
Business Scenario Recommendations	tailored recommendations based on your current productive system usage (ST03N); identify high-value business scenarios	https://www.s4hana.com/
Fiori Application Library	Overview of Fiori applications by role, industry, ... Upload list of transactions – get Fiori analysis based on your transactions	www.sap.com/fiori-apps-library
Innovation Discovery	Search for new functionality delivered by SAP – also for ERP. Easily evaluate and discuss innovations and features with having both business and technical information at a glance	http://sapsupport.info/support-innovations/innovation-discovery/
Roadmaps	Roadmap information from different perspectives: Product, solution, industry, LoB, technology, ...	http://www.sap.com/roadmaps
S/4HANA Trials	Access to S/4HANA on-premise and cloud trials	http://www.sap.com/s4hana-trial
Experience Transformation videos	Side-by-side comparison of a business process with and without FIORI	https://www.youtube.com/results?search_query=experience+transformation+sap
openSAP course	Find Your Path to SAP S/4HANA – good overview of conversion process and tools	https://open.sap.com/courses/s4h5
S/4HANA FAQ	Comprehensive, from hilevel to details	https://www.sap.com/documents/2016/03/c21c09dd-637c-0010-82c7-eda71af511fa.html
S/4HANA Community	Blogs, discussions, ...	https://www.sap.com/community/topic/s4hana.html
SAP Transformation Navigator	Clear guidance into the S/4HANA world, based on customer licensing and landscape, business value and IT strategy	https://go.support.sap.com/transformationnavigator/#/welcome
Readiness Check	Fiori tool delivering overview of potential S4 landscape, based on customer-specific installation data („first check“)	https://blogs.sap.com/2017/04/27/start-sap-s4hana-planning-with-readiness-check/ https://help.sap.com/viewer/p/SAP_READINESS_CHECK
Migration Cockpit	SAP S/4HANA Migration Cockpit	https://blogs.sap.com/2017/07/05/starter-blog-for-sap-s4hana-migration-cockpit/

NEW

Useful links: application specific preparation

OpenSAP Course: [OpenSAP course “Your Path to SAP S/4HANA”](#)

SAP S/4HANA product related Training: [SAP S/4HANA Overview and Business Processes](#)

[Discover SAP S/4HANA](#)

Gives an introduction to the next-generation business suite SAP S/4HANA

[SAP S/4HANA Trials](#)

Experience SAP S/4HANA with trials for the cloud and on-premise editions

Detailed SAP S/4HANA Roadmaps: [SAP product & solution roadmaps](#)

[Feature Scope Description \(PDF\)](#)

Provides an overview on the available features

SAP Help Portal: <http://help.sap.com/s4hana>:

Tips & Tricks:

[CVI cookbook](#)

BI Extractors: SAP note [2500202](#) now provides full transparency for customers on availability of BI extractors in SAP S/4HANA.

SD Foreign Trade: Most of the former SD Foreign Trade scope is meanwhile available directly in SAP S/4HANA. Therefore customers currently using SD Foreign Trade can in most cases avoid the effort of migrating to SAP GTS.

[SAP Community Blog: the top simplificationlist items](#)

[SAP Readiness Check for SAP S/4HANA](#)

[SAP S/4HANA System Conversion – At a glance](#)

[Maintenance Planner](#) (SAP Help Portal) oder <http://help.sap.com/maintenanceplanner>

- [SCN BLOG: Maintenance Planner](#)

- [SCN BLOG: Maintenance Planner – Release Highlights](#)

[Simplification Item Catalog](#)

[Pre-checks in System Conversion](#)

[SAP S/4HANA Simplification Item Check – How to do it right‘](#)

[ABAP Test Cockpit – an Introduction to SAP’s new ABAP Quality Assurance Tool](#) ,

- [Remote Code Analysis in ATC – One central check system for multiple systems on various releases](#)

- [Remote Code Analysis in ATC – Technical Setup step by step](#)

- [Remote Code Analysis in ATC – Working with Baseline to suppress findings in old legacy code](#)

- [Remote Code Analysis in ATC for Developers](#)

- [Remote Code Analysis in ATC – Working with Exemptions](#)

- [Remote Code Analysis in ATC – Scanning customer extensions](#)

- [Remote Code Analysis in ATC – Working efficiently with ATC Result List](#)

- [Remote Code Analysis in ATC – FAQ](#)

ABAP Testing and Analysis Community: [Link](#)

ABAP Call Monitor (SCMON): [Link](#)

Usage Procedure Logging (UPL): [Link](#)

Best Practices Custom Code Lifecycle Management (CCLM): [Link](#)

ABAP custom code migration and recommendations for SAP HANA:

- SAP Note: [1912445](#)

- SAP Community: [Link](#)

Further information see

- SAP Community Blog on [Custom Code Adaptation process](#)

- SAP Note: [2241080](#)

- SAP Note: [2190420](#)

Thank you.

Christian Vogler
SAP S/4HANA Product Management & Co-Innovation

SAP SE | Dietmar-Hopp-Allee 16 | 69190 Walldorf | Germany

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