



Successfully Implementing SAP S/4HANA – Part 4

Transition Road Maps for Upgrade of SAP S/4HANA and embedded products

Dr. Christoph Nake, SAP
Dr. Astrid Tschense, SAP
July, 2019
PUBLIC

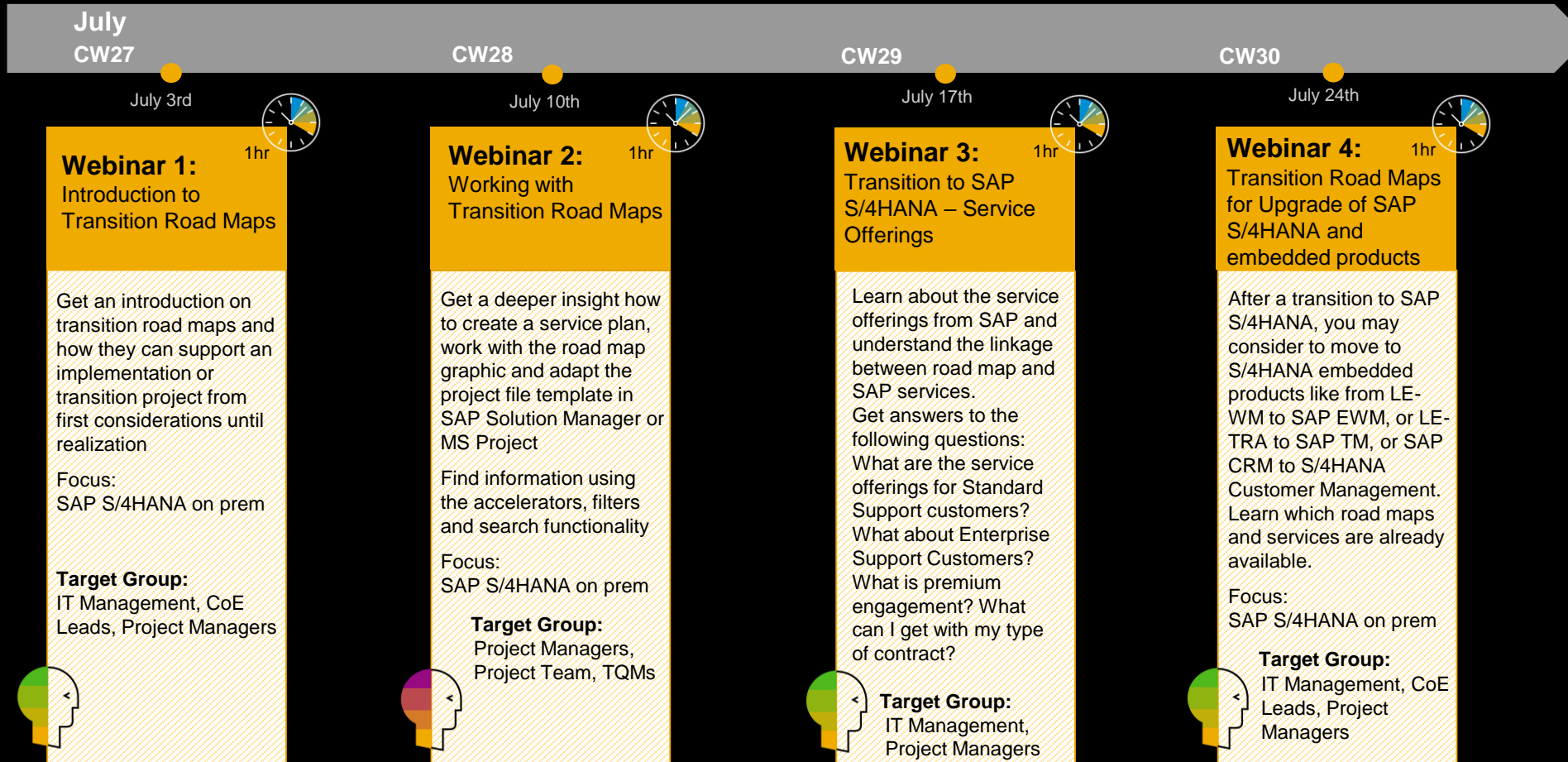
Disclaimer

The information in this presentation is confidential and proprietary to SAP and may not be disclosed without the permission of SAP. Except for your obligation to protect confidential information, this presentation is not subject to your license agreement or any other service or subscription agreement with SAP. SAP has no obligation to pursue any course of business outlined in this presentation or any related document, or to develop or release any functionality mentioned therein.

This presentation, or any related document and SAP's strategy and possible future developments, products and or platforms directions and functionality are all subject to change and may be changed by SAP at any time for any reason without notice. The information in this presentation is not a commitment, promise or legal obligation to deliver any material, code or functionality. This presentation is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. This presentation is for informational purposes and may not be incorporated into a contract. SAP assumes no responsibility for errors or omissions in this presentation, except if such damages were caused by SAP's intentional or gross negligence.

All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

Webinar Series





Transition Road Map for SAP S/4HANA Upgrade and embedded Products

Agenda

- Upgrade of SAP S/4HANA – Road Map and Services
- Product Integration in SAP S/4HANA – Example: SAP EWM embedded in SAP S/4HANA

Available Transition Road Maps (excerpt)

	Road Map	Scenarios	embedded products
 On prem	Transition to SAP S/4HANA	<ul style="list-style-type: none"> • New implementation • System Conversion • Selective Data Transition 	
	SAP S/4HANA Upgrade and Product Integration	<ul style="list-style-type: none"> • Upgrade • New implementation of embedded product • Transition to embedded product 	<ul style="list-style-type: none"> • SAP EWM • SAP TM • SAP S4CM
	Transition to SAP BW/4HANA	<ul style="list-style-type: none"> • New implementation • System Conversion (in-place/shell/remote) • New implementation of embedded product • Transition to embedded product 	<ul style="list-style-type: none"> • SAP BPC 11.0
	SAP Activate Methodology for Business Suite and On-Premise- Agile and Waterfall	<ul style="list-style-type: none"> • methodology 	
 Cloud	SAP Activate Methodology for New Cloud Implementations (Public Cloud-General)	<ul style="list-style-type: none"> • methodology 	
	SAP Activate Methodology for SAP S/4HANA Cloud	<ul style="list-style-type: none"> • transition 	
	SAP Activate Methodology for SAP S/4HANA Cloud (single tenant edition)	<ul style="list-style-type: none"> • transition 	
	SAP Activate Methodology for Success Factors	<ul style="list-style-type: none"> • transition 	
	Implementation of SAP Analytics Cloud	<ul style="list-style-type: none"> • transition 	
	...		

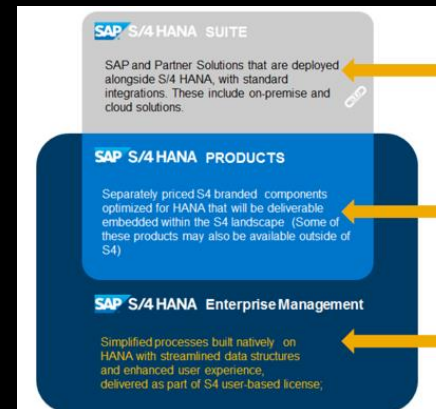
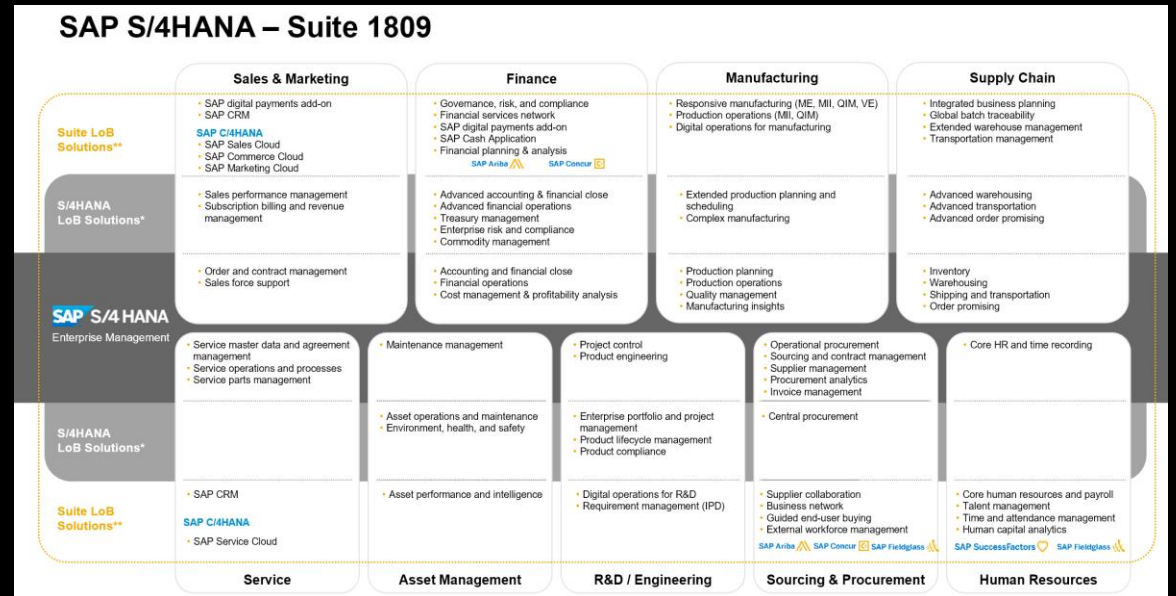
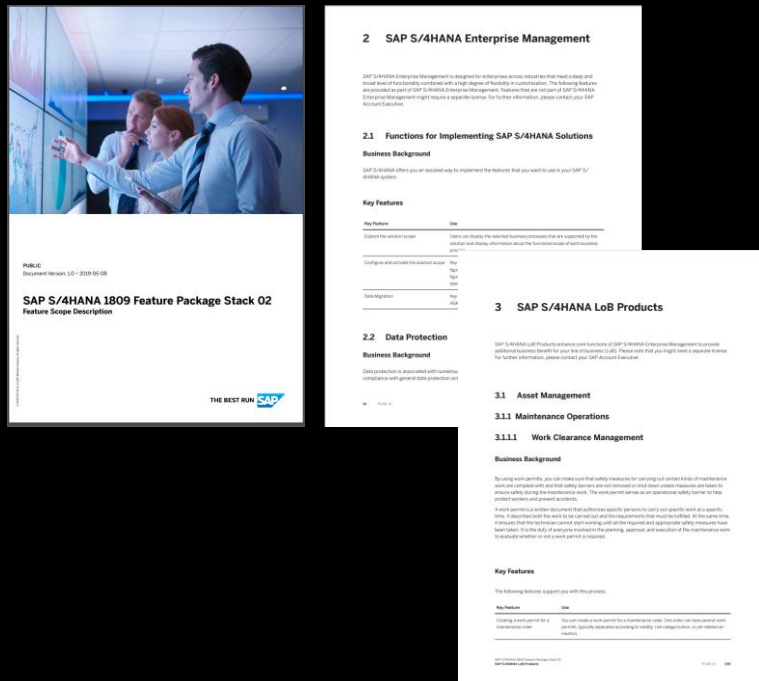
Upgrade of SAP S/4HANA

Run a pure technical upgrade, or implement new features or embedded products?

SAP S/4HANA is currently available on release **1809 FPS02**

Check the [help.sap.com landing page for SAP S/4HANA](https://help.sap.com/landing-page-for-SAP-S/4HANA)

For every release/FPS, a [Feature Scope Description](#) is available, explaining which features are provided up to this release of SAP S/4HANA



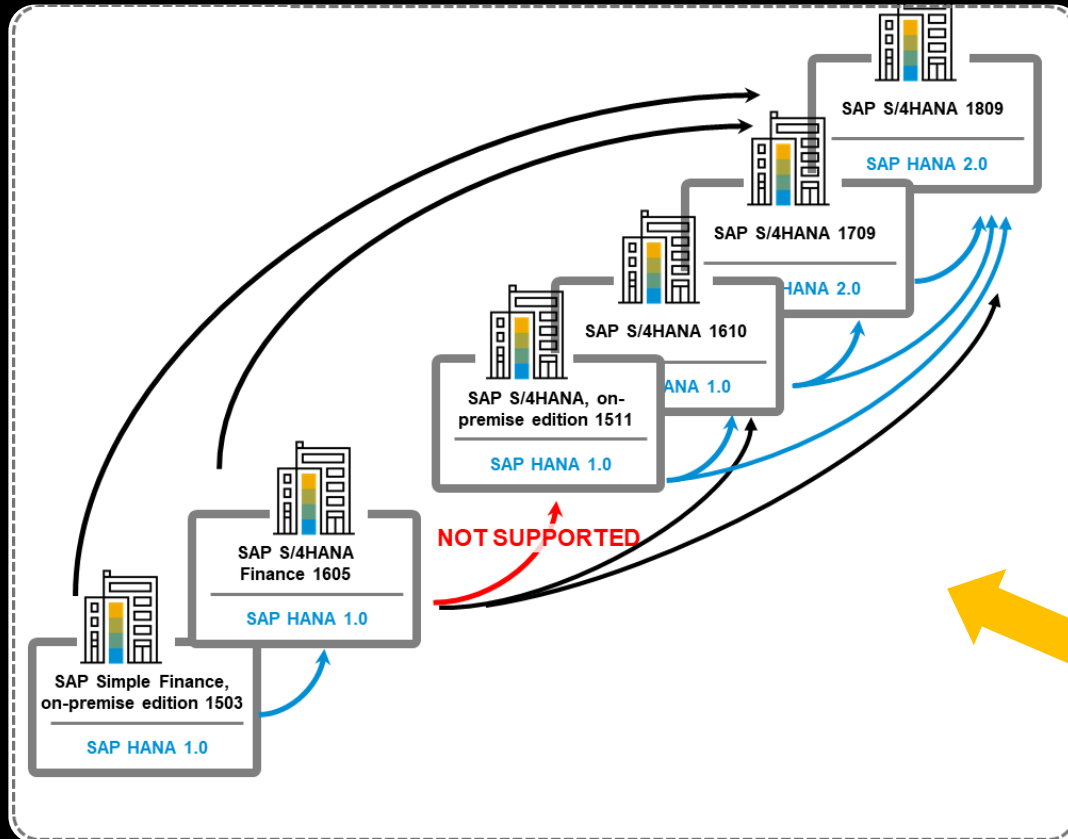
SAP and Partner Solutions (on Premise and Cloud) with integration to SAP S/4HANA

SAP S/4HANA LoB Products embedded in SAP S/4HANA, add. license required

Core processes in SAP S/4HANA

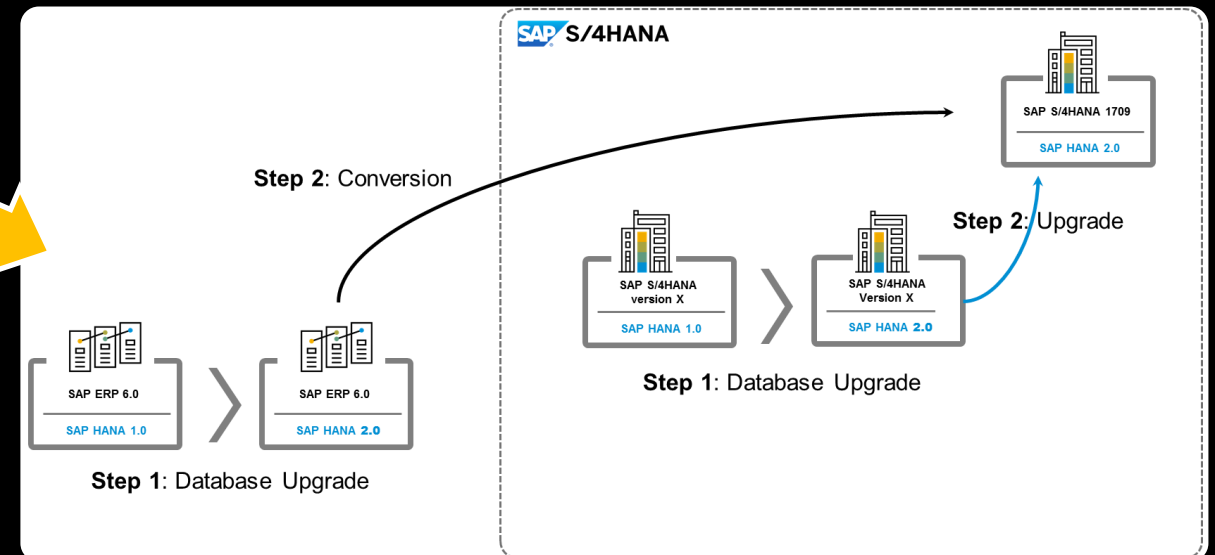
Upgrading SAP S/4HANA

Transition Paths Overview

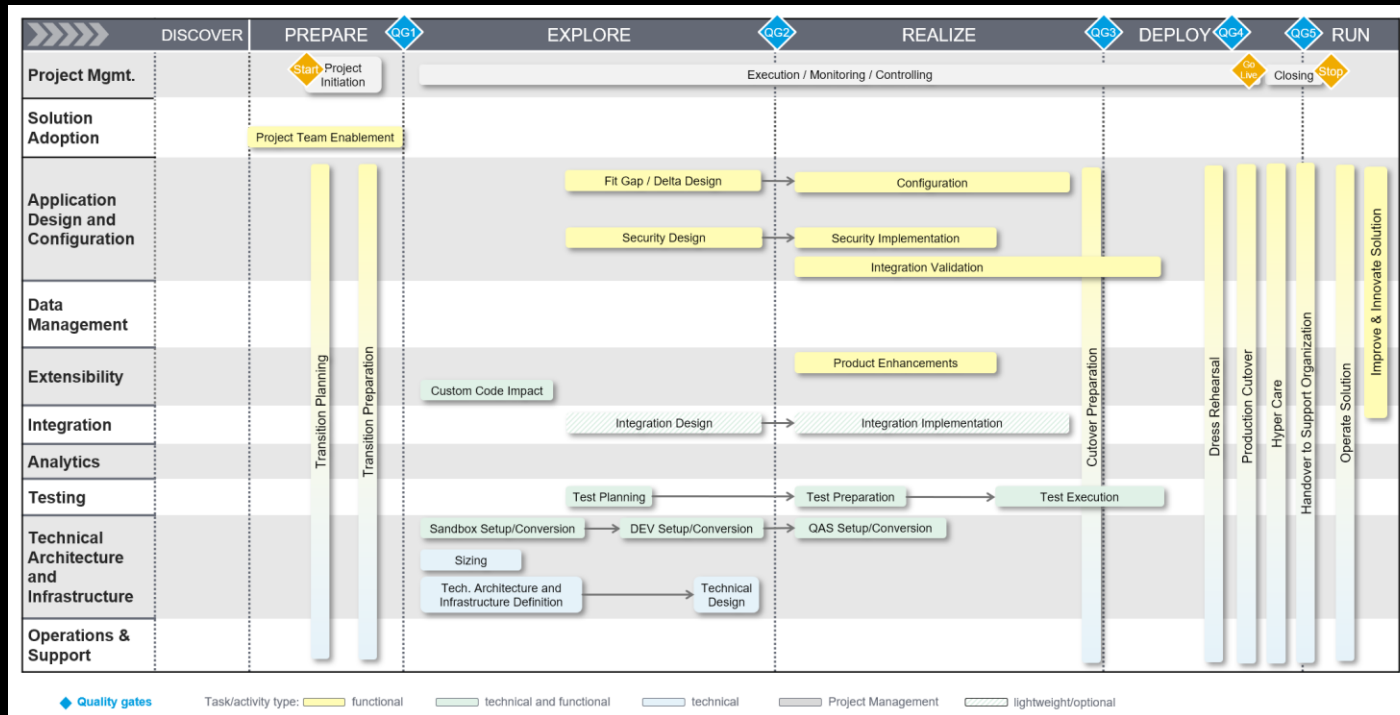


- System conversion from SAP S/4HANA Finance to SAP S/4HANA
- Upgrade within the SAP S/4HANA product family

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



Upgrading SAP S/4HANA - Road Map Structure Picture



For a **pure technical upgrade**, only a sub-set of the S/4HANA implementation road map activities are relevant. The activation of new features may require additional activities!

- Adapt the structure slide to your project requirements
- Consider:
 - Which activities are required for the planned scenario?
 - Which activities are missing for the activation of new features? Check against the picture from the "Transition to SAP S/4HANA" road map
 - Adapt activity sequence, if required

The road map structure picture ppt is available for download in the Road Map Viewer ➡ „Download Project Plan“

Roadmap Viewer: Tasks and Tools

1. Discover

Strategic Planning for Solutions with Integration Capabilities in SAP S/4HANA

✓ Application Value and Scoping

Discover the value of the new functionality in SAP S/4HANA for your company

Identify the impact of the upgrade of SAP S/4HANA on your existing business processes

Check the Upgrade Readiness of SAP S/4HANA

Perform a Business Scenario & Solution Mapping

Define the Implementation Strategy for Upgrade

Create a Strategic Road Map & Value Case

> Trial System Provisioning for the Upgrade

[SAP Transformation Navigator](#)

[SAP Innovation Discovery Finder](#)

[S/4HANA – What's New Viewer](#)

SAP Innovation Discovery

Industry Line of Business Technology

Production Planning and Detailed Scheduling (SAP S/4HANA)

You use the Production Planning and Detailed Scheduling (PP/DS) feature:

- To create procurement proposals for in-house production or external procurement to cover product requirements
- To optimize and plan the resource schedule and the order dates/times in detail

You can take the resource and component availability into account here. Above all, PP/DS is used to plan critical products, such as products with long replenishment lead times or products that are produced on bottleneck resources. You can use PP/DS to create executable production plans and:

- Reduce lead times
- Increase on-time delivery performance
- Increase the throughput of products and reduce the stock costs, through better coordination of resources, production, and procurement

[Presentation: Production Planning and Detailed Scheduling \(SAP S/4HANA\)](#)
More information about Production Planning and Detailed Scheduling (SAP S/4HANA)

> Create Optimal Orders for Shipment (SAP S/4HANA)

> Monitor Capacity Utilization (SAP S/4HANA)

Technical View

Product Feature	Software Product Version	Support Package Stack	Is Feature Package	Improvement Note	Business Function	Software Component Version	Support Package
Production Planning and Detailed Scheduling (SAP S/4HANA)	SAP S/4HANA 1610					S4CORE 101	

SAP What's New Viewer - SAP S/4HANA

SAP S/4HANA - What's New Viewer
Get a complete overview of the new, changed and deleted features and functions in the most recent version of SAP S/4HANA.

Search

Supply Chain Logistics and Order Fulfillment Type 9 all selected!

168 entries

Line of Business	Solution Area	Solution Capability	Title	Short Description	Type	Scope Item	Application Component	Available As Of	Available In (i)
Supply Chain	Logistics and Order Fulfillment	Extended Warehouse Management (SAP S/4HANA)	Quality Inspections in Decentralized EWM Based On SAP S/4HANA	With this feature, you can use decentralized Extended Warehouse Management (EWM) to process quality inspections using the Quality Inspection Engine. See More	New	n/a	SCM-EWM-QM	SAP S/4HANA 1809 FPS02	Available in all countries/regions
Supply Chain	Logistics and Order Fulfillment	Extended Warehouse Management (SAP S/4HANA)	Connect EWM Based On SAP S/4HANA to an SAP ERP System	With this feature you can use the EWM functions in SAP S/4HANA to operate decentralized warehouse management operations, and send information to a central SAP ERP system. See More	New	n/a	SCM-EWM	SAP S/4HANA 1809 FPS02	Available in all countries/regions
Supply Chain	Logistics and Order Fulfillment		Integration of Geographical Services	Transportation Management (TM) offers a standard integration to SAP Spatial Services for geocoding, single and matrix routing, as well as distance and duration determination.	New	n/a	TM	SAP S/4HANA 1809 FPS02	Available in all countries/regions

Roadmap Viewer: Tasks and Tools

1. Discover

Strategic Planning for Solutions with Integration Capabilities in SAP S/4HANA

Application Value and Scoping

Discover the value of the new functionality in SAP S/4HANA for your company

Identify the impact of the upgrade of SAP S/4HANA on your existing business processes

Check the Upgrade Readiness of SAP S/4HANA

Perform a Business Scenario & Solution Mapping

Define the Implementation Strategy for Upgrade

Create a Strategic Road Map & Value Case

Trial System Provisioning for the Upgrade

[Simplification Item Catalog](#)

[SAP Note 2399707 - Simplification Item Check](#)

The [Simplification Item Catalog](#) provides a description of all relevant changes from a source product/release to a target product/release

The Simplification Items Check can be used as of target SAP S/4HANA 1709 and needs to be run on the source system (SAP Notes [2399707](#) and [2502552](#))

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

The Simplification Item Check consists of a report /SDF/RC_START_CHECK and a related check framework which you shall run

- on your SAP ERP system as preparation for a system conversion to SAP S/4HANA.
- on your SAP S/4HANA system as preparation for a release upgrade to a higher SAP S/4HANA release.

Though the Simplification Item Check Package or Feature Package update

The Simplification Item Check serves

- Relevance check:** Determine in which system you are running to assess the functional and technical impact of the system conversion on your system.
- Consistency check:** During the conversion process your system will be migrated to the new data structures and new processes. The conversion routines rely on

ID	Component	Category	Change of existing functionality	Relevance	Consistency	Exemption	Note	Summary
LO-MD-BP		Change of existing functionality		Yellow Triangle	Green Circle		2502552	Check performed, item is probably relevant. Check business impact note.
FI-GL		Change of existing functionality		Yellow Triangle	Green Circle		2502552	Check performed, item is probably relevant. Check business impact note.
LO-APPL-LO-APPL		Change of existing functionality		Yellow Triangle	Green Circle		2502552	Check performed, item is probably relevant. Check business impact note.
LO-MD-BP		Change of existing functionality		Yellow Triangle	Green Circle		2502552	Check performed, item is probably relevant. Check business impact note.
PPH-DR-GP		Change of existing functionality		Yellow Triangle	Green Circle		2502552	Check performed, item is probably relevant. Check business impact note.
LO-APPL-LO-APPL		Change of existing functionality		Yellow Triangle	Green Circle		2502552	Check performed, item is probably relevant. Check business impact note.
LO-APPL-LO-APPL		Change of existing functionality		Yellow Triangle	Green Circle		2502552	Check performed, item is probably relevant. Check business impact note.
LO-APPL-LO-APPL		Change of existing functionality		Yellow Triangle	Green Circle		2502552	Check performed, item is probably relevant. Check business impact note.
LO-APPL-LO-APPL		Change of existing functionality		Yellow Triangle	Green Circle		2502552	Check performed, item is probably relevant. Check business impact note.
LO-APPL-LO-APPL		Change of existing functionality		Yellow Triangle	Green Circle		2502552	Check performed, item is probably relevant. Check business impact note.

Tasks and Tools

2. Prepare

- Project Initiation
- Establish Project Governance
- Plan Project
- Project Kick-Off and On-Boarding
- Project Team Enablement
- Project Standards, Infrastructure, and Solution

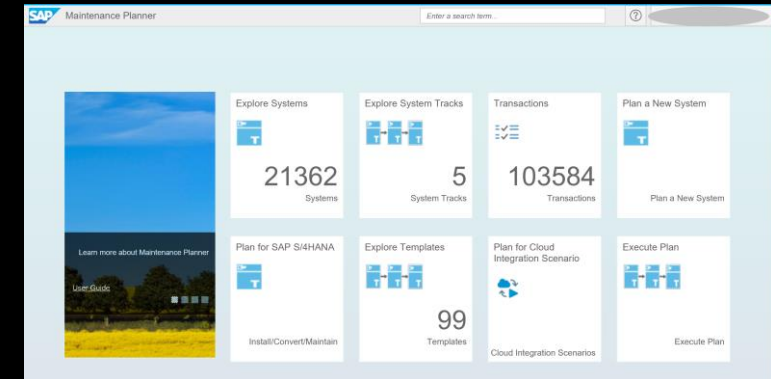
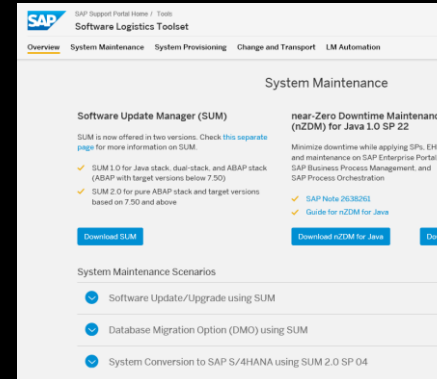
➤ Prototype

▼ Transition Planning

- Check the Upgrade Readiness of SAP S/4HANA
- Scope Definition & Objectives of the Upgrade
- Define Cutover Approach of the Upgrade
- Clarify Custom Code Adaption for the Upgrade
- Clarify Operational Readiness for the Upgrade
- Define Technical Architecture for the Upgrade

▼ Transition Preparation

- Execute on Follow-Ups from Transition Planning for the Upgrade
- Plan and Execute the Upgrade of SAP HANA 1.0 to SAP HANA 2.0



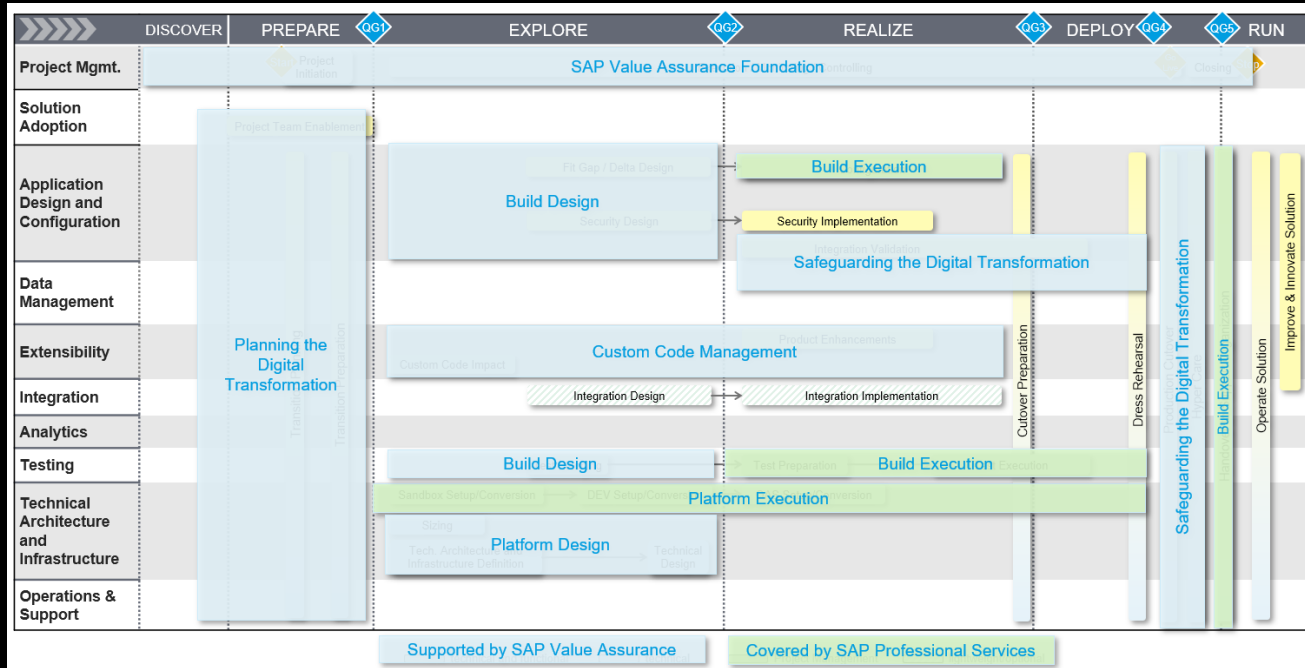
[Software Logistics Toolset Landing Page](#)
[Maintenance Planner](#)

[SAP Note 693168 - Minimized Downtime Service \(MDS\)](#)
[Upgrade Guide for SAP S/4HANA 1809](#)

[ABAP Test Cockpit \(ATC\)](#)
[Custom Code Migration Guide](#)

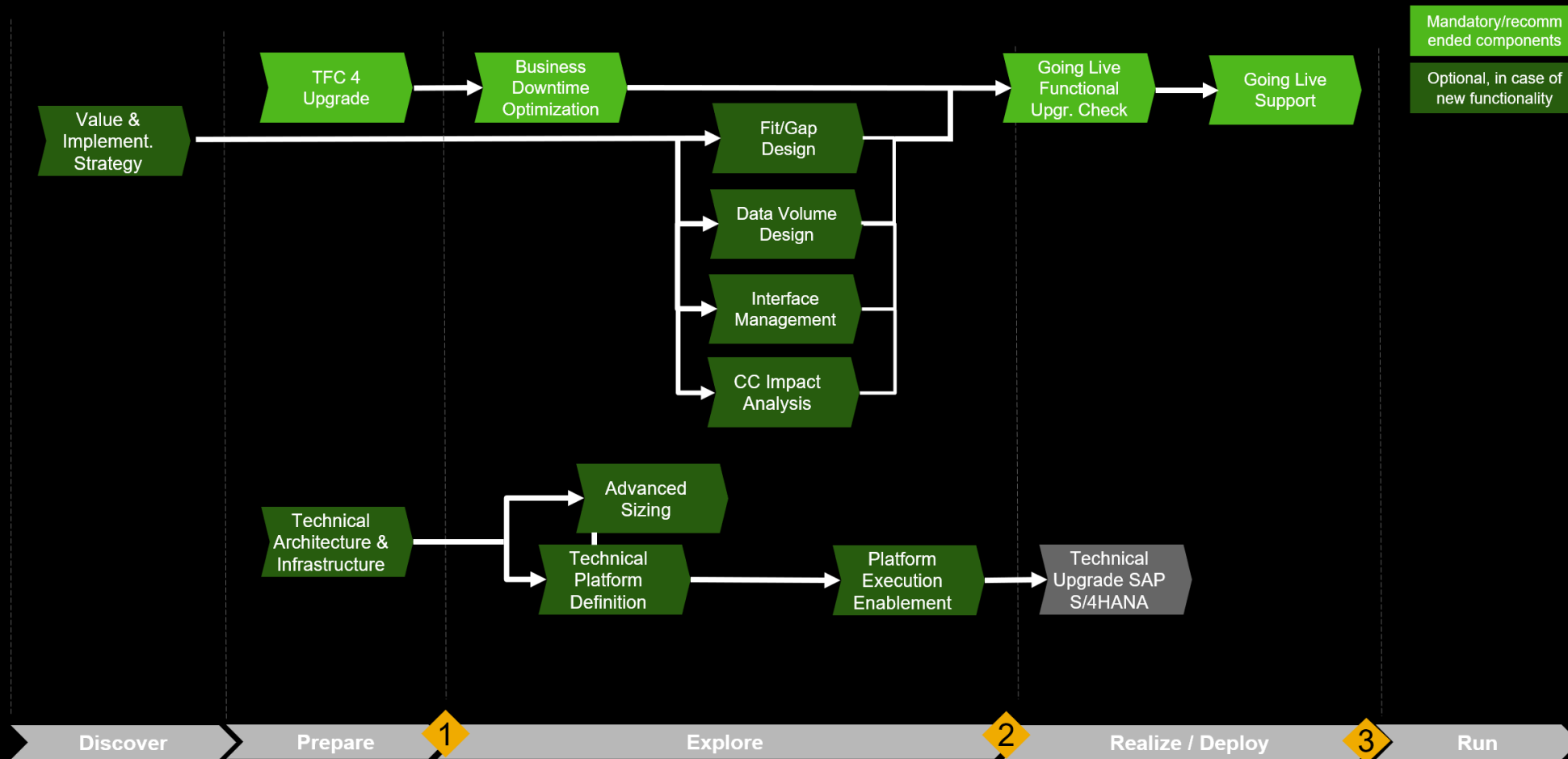
[SAP Note 2469025 – How-To: Upgrading to SAP HANA 2.0](#)

Services for Upgrade of SAP S/4HANA



- Learn how SAP services are mapped to road map activities
Consider:
 - Should SAP support in the planning and design?
 - Is the execution done by customer/partner or by an SAP service?
 - Should the Safeguarding be done by SAP?
 - Transfer the decision on services to a service plan

Upgrade of SAP S/4HANA with enhancements – Service Components



Transition Road Map for SAP S/4HANA Upgrade and embedded Products

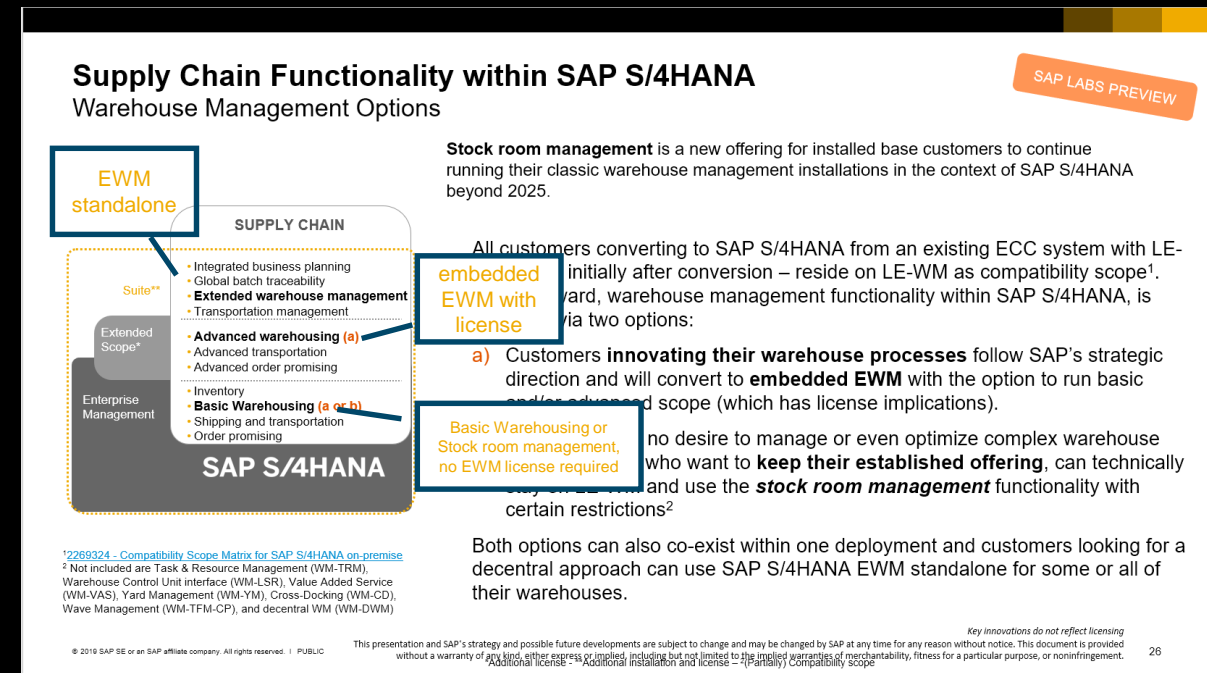
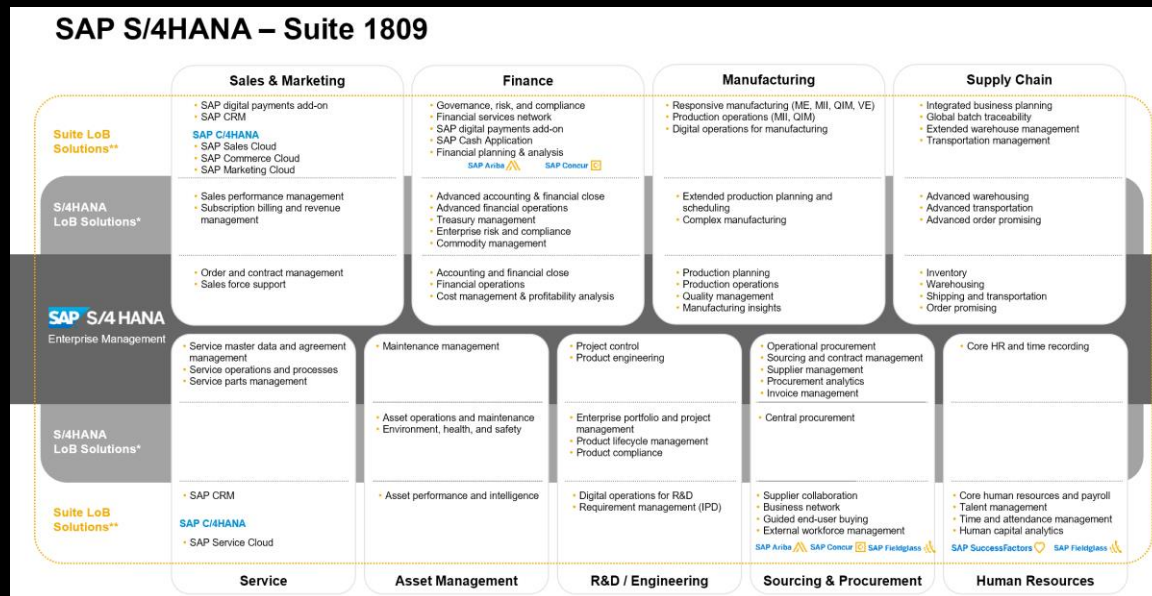
Agenda

- Upgrade of SAP S/4HANA – Road Map and Services
- Product Integration in SAP S/4HANA – Example: SAP EWM embedded in SAP S/4HANA

Product Integration in SAP S/4HANA – Example: SAP EWM

SAP Extended Warehouse Management Product Road Map

SAP S/4HANA Suite 1809 and planned new /changed functionality for SAP EWM in release 1909



Product Integration in SAP S/4HANA – Road Map

Example: SAP Extended Warehouse Management embedded in S/4HANA

The screenshot displays the SAP Methodology Overview page. The left sidebar shows the 'Solution Specific' tab with 'Methodology' selected. The main content area is titled 'Roadmap' and shows the 'Transition to SAP S/4HANA' section. A yellow box highlights the 'SAP S/4HANA Upgrade and Product Integration Roadmap' section. The right sidebar shows the 'Roadmap' section with '1. Discover' and '2. Prepare' tasks listed.

Transition to SAP S/4HANA

Welcome to the Transition to SAP S/4HANA Roadmap . This Roadmap is intended to guide the implementation Tasks in accordance with the SAP Activate methodology and covers all implementation scenarios. In addition, some activities and tasks have been grouped to make reading more convenient. You will also find that you have opened the road map Content tab in the Road Map Viewer, you should filter for your scenario Implementation System Conversion Landscape Transformation To select, open the Content page and scroll down you will be able to find more information on the activities supported by SAP Value Assurance services a

Transition to SAP BW/4HANA

Welcome to the Transition to SAP BW/4HANA Roadmap . This Roadmap is intended to guide the implementation and Tasks in accordance with the SAP Activate methodology and covers all implementation scenarios. In addition, some activities and tasks have been grouped to make reading more convenient. You will also find Packages for SAP S/4HANA (also valid for SAP BW/4HANA). Once you have opened the road map Content relevant to you. The following scenarios are available: New Implementation In-Place System Conversion Content page and scroll down to the More section, in the left structure pane and select the scenario in the

SAP S/4HANA Upgrade and Product Integration Roadmap

Welcome to the SAP S/4HANA Upgrade and Product Integration Roadmap. This Roadmap is intended to guide the implementation of the newest release. (graphic available under "Download Project Plan") Note: If the conversion scenario is covered in the Transition to SAP S/4HANA roadmap. An upgrade of the solution, this roadmap also covers the implementation of additional products which can be integrated with SAP S/4HANA. Implementation of SAP Extended Warehouse Management (SAP EWM) and SAP Transportation Management (SAP TM) is also covered. Download Project Plan "The structure of this road map is release independent. Release selection Once you have opened the road map Content tab in the Roadmap Viewer, you should

1. Discover

- Strategic Planning for Solutions with Integration Capabilities in SAP S/4HANA
 - Create an Innovation Strategy and a high-level Road Map for SAP EWM
- Application Value and Scoping
 - Discover the Value of the new Functionality coming with SAP EWM
 - Identify the Impact of the implementation of SAP EWM on existing Processes
 - Perform a Business Scenario & Solution Mapping
 - Define the Implementation Strategy for SAP EWM
 - Create a Strategic Road Map & Value Case

2. Prepare

- Project Initiation
 - Conduct Handover Meeting(s) from Opportunity Phase
 - Review Order Form with Customer
 - Identify Stakeholders, Stakeholders' Requirements and Expectations and Project/Deliverables
 - Set Stakeholder Expectations for Agile Project
 - Create Project Charter
 - Create Project Management Plan

Demo

[Create an Innovation Strategy and a high-level Road Map for SAP EWM](#) → Advisory Service transition WM to SAP EWM

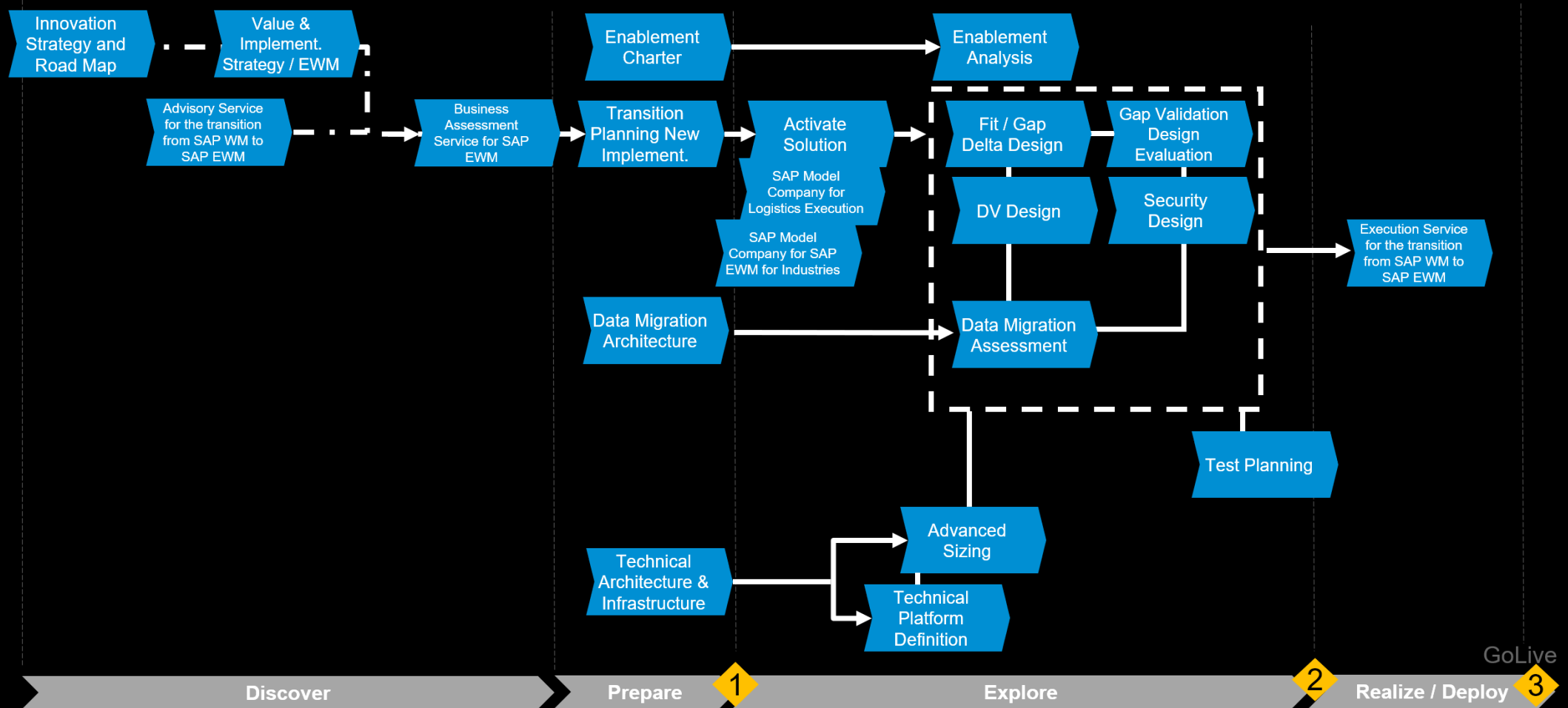
[Identify the Impact of the implementation of SAP EWM on existing processes](#) → Business Assessment Service for SAP EWM

[Define the Implementation Strategy for SAP EWM](#) → Value and Implementation Strategy Workshop (VIS) with special focus on EWM

<https://go.support.sap.com/roadmapviewer> → SAP S/4HANA Upgrade and Product Integration Roadmap
Filter for the Product you want to integrate in SAP S/4HANA (SAP EWM, SAP TM, SAP S4CM, *more to come*)

Product Integration in SAP S/4HANA

SAP EWM embedded in S/4HANA – Service Components



Project File Template for Upgrade and Product Integration

Download the [Project Plan.zip file](#), open the Project Plan for MS Project and add the planned project start date under File>Info>Project Information



Result:

The project end date is calculated automatically and earliest start dates of all tasks and subtasks are set

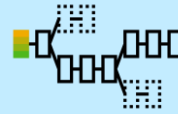
In the Flavors column, open the column header menu and select all checkboxes containing your planned transition scenario



Result:

Only the tasks and subtasks required for your scenario are displayed and all dependencies are re-arranged.

Check which tasks/subtasks are not relevant for your project. Select the line of the respective task/subtask and open the context menu. Choose „Inactivate Task“.



Result:

The selected tasks/subtasks are inactivated and the dependencies are re-arranged.
Note: This inactivation can be reverted, if necessary

Add activities, tasks and planned services.

Adapt the durations of the tasks, where appropriate.



Result:

You align th project plan with the service plan and add reasonable timelines and check the service flow

Assign resources to all subtasks

All tasks/subtasks are explained with the roadmap texts in the notes section (column 1)



Result:

You can check the availability of the required resources, resource usage and assignment conflicts

Task Mode	Task Name	Duration	Start	Finish	Predecessors	FLAVORS	Workstream	Services	Add New	Mar '19	Apr '19	May '19
1		259 days	Thu 14.03.19	Tue 10.03.20								
2	Discover	48 days	Thu 14.03.19	Mon 20.05.19								
3	Strategic Planning for Solutions with Integration Capabilities in SAP S/4HANA	20 days	Thu 14.03.19	Wed 10.04.19			Upgrade with Functional Enhancement,EWM	Technical Architecture & Project Management				
4	Create an Innovation Strategy and a high-level Road Map for SAP EWM	20 days	Thu 14.03.19	Wed 10.04.19			EWM					
5	Application Value and Scoping	23 days	Thu 11.04.19	Mon 13.05.19			Upgrade with Functional Enhancement,EWM	Application: Des				
6	Discover the value of the new functionality in SAP S/4HANA for your company	5 days	Thu 11.04.19	Wed 17.04.19	4		Upgrade with Functional Enhancement,EWM	Application: VIS				

Summary

- The Upgrade of SAP S/4HANA is described in the Road Map „SAP S/4HANA Upgrade and Product Integration“
- The transition to SAP S/4HANA-integrated products is currently described for:
SAP EWM, SAP TM, SAP S4CM (tbc.)

Thank you.

Contact information:

Dr. Christoph Nake

Chief Support Engineer

christoph.nake@sap.com

Dr. Astrid Tschense

Expert Support Engineer

astrid.tschense@sap.com

Follow us



www.sap.com/contactsap

© 2018 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platforms, directions, and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, and they should not be relied upon in making purchasing decisions.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies.

See www.sap.com/copyright for additional trademark information and notices.