



Guide Your SAP S/4HANA Project to Success

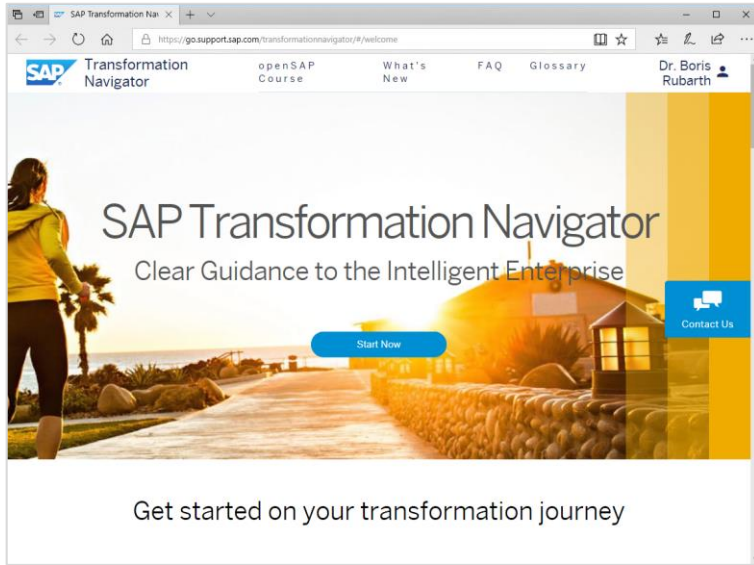
Unit 6: Moving to SAP S/4HANA – Technical Considerations and Guidance

“Which tools are available for planning an SAP S/4HANA system conversion?”



Moving to SAP S/4HANA – Technical Considerations and Guidance

SAP Transformation Navigator and Roadmap Viewer



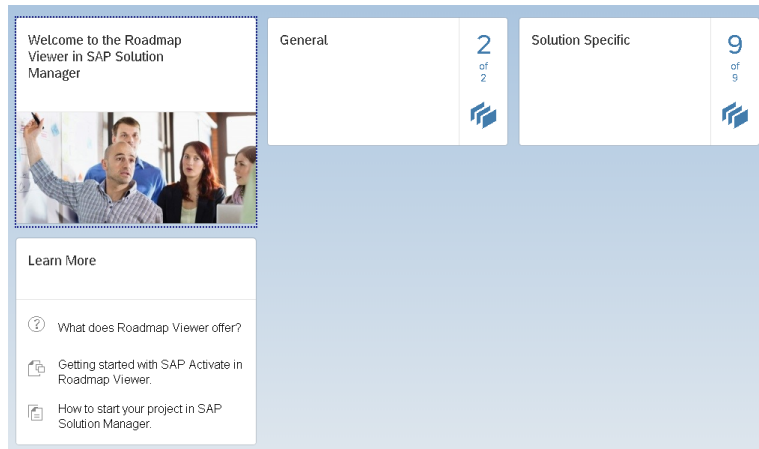
SAP Transformation Navigator

- A guide to transform the complete landscape
- Allows customer-specific product map creation



SAP Transformation Navigator:

<https://go.support.sap.com/transformationnavigator/#/welcome>



Roadmap Viewer

- A comprehensive document and service collection
- For all transition scenarios
- Offers a project plan template



Roadmap Viewer: <https://go.support.sap.com/roadmapviewer/#>

Moving to SAP S/4HANA – Technical Considerations and Guidance

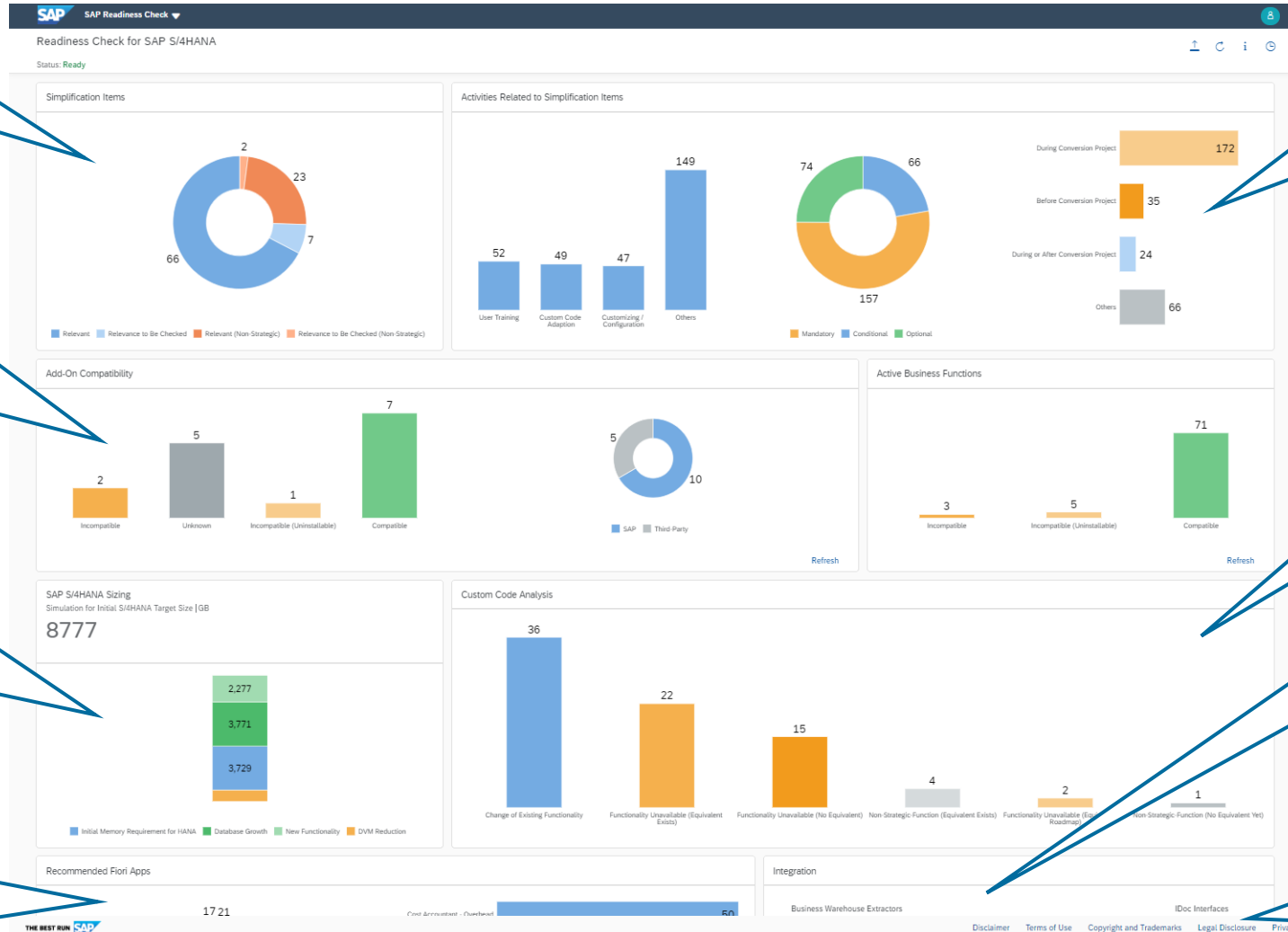
SAP Readiness Check 2.0 for SAP S/4HANA

Relevant simplification items based on your current usage in SAP ERP

Your currently installed add-ons and business functions checked for compatibility with SAP S/4HANA

Estimated memory and disk size before and after cleanup, including archiving potential

Recommended SAP Fiori apps based on your current usage



Action items resulting from your relevant simplification items

Your custom code analyzed with respect to SAP S/4HANA compatibility

Shows whether your BW extractors and IDocs are still working under SAP S/4HANA

Business process improvement potential

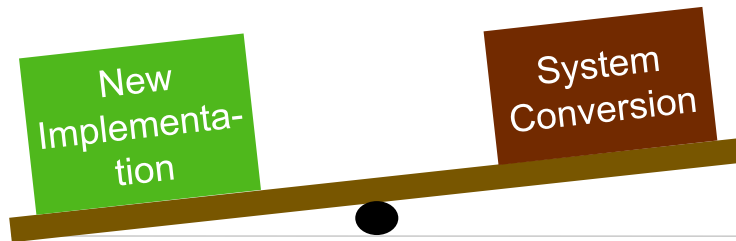
“Which path should we take to move to SAP S/4HANA, system conversion or new implementation?”



Decide on deployment approaches (new implementation vs system conversion)

NEW IMPLEMENTATION

- New install / deploy new practices
 - Data migration (harder for old data)
 - Full innovation from day one
- ➔ Essential / Extended / AnyPremise



Recommended when:

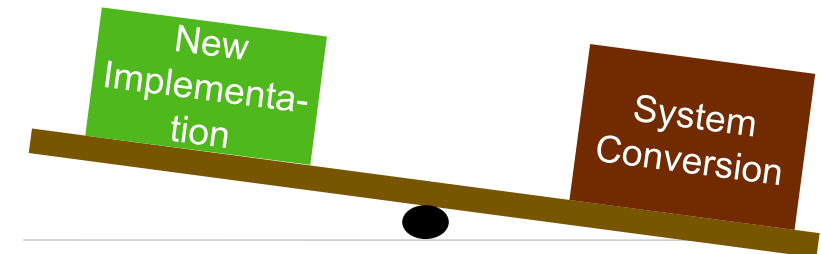
- ✓ Not happy with existing installation (no reuse)
- ✓ New processes / business models (model company)

Considerations:

- ✗ Requires business process redesign
- ✗ Might take longer to roll out to all users (disruptive)
- ✗ Need parallel systems during implementation

SYSTEM CONVERSION

- Copy complete system + data
 - Reuse of existing implementation
 - Add innovation later (LoB / SAP Fiori / ML)
- ➔ On-premise or HEC only



Recommended when:

- ✓ Mostly happy with existing SAP landscape
- ✓ Rapid rollout without business involvement

Considerations:

- ✗ Low initial business value
- ✗ SAP S/4HANA simplification list/custom code remediation
- ✗ Downtime during conversion

Trade Offs



“Are there activities we can start today to prepare for our journey to SAP S/4HANA?”



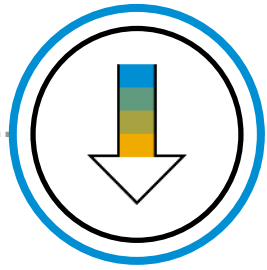
Moving to SAP S/4HANA – Technical Considerations and Guidance

Companions for your SAP S/4HANA journey



Data Volume Management

Potential for significant data footprint reduction to help control database size



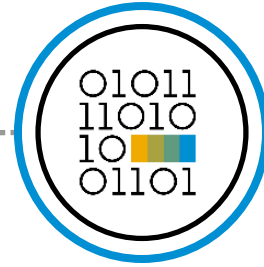
Maintenance Planner

Enables efficient planning of all changes in your SAP system landscape



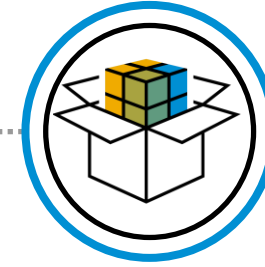
Custom Code

Automated custom code adaptation, easy removal of obsolete code



Simplification Check

Tool to determine relevance and consistency checks in source system

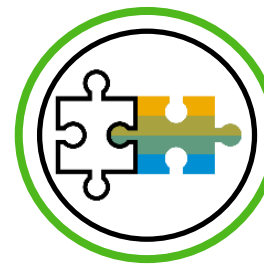


Upgrade Dependency Analyzer

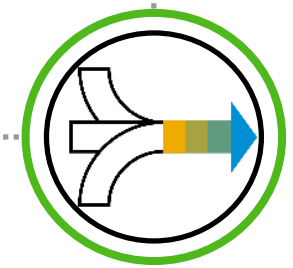
Determines known upgrade dependencies between SAP systems

 Focus on Conversions

 Focus on New Implementations



Reduced integration efforts
with 10K+ new interfaces



Improved Data Migration
More ready-to-use business objects and object modeling capabilities

“What is the recommended deployment option for SAP Fiori in an SAP S/4HANA landscape?”



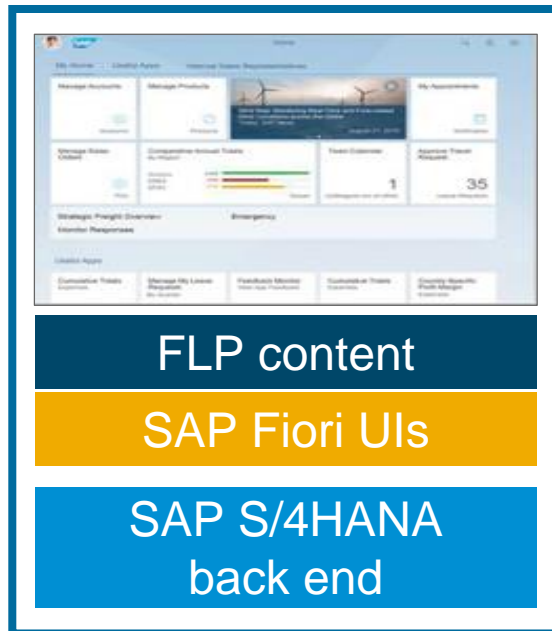
SAP Fiori landscape deployment options



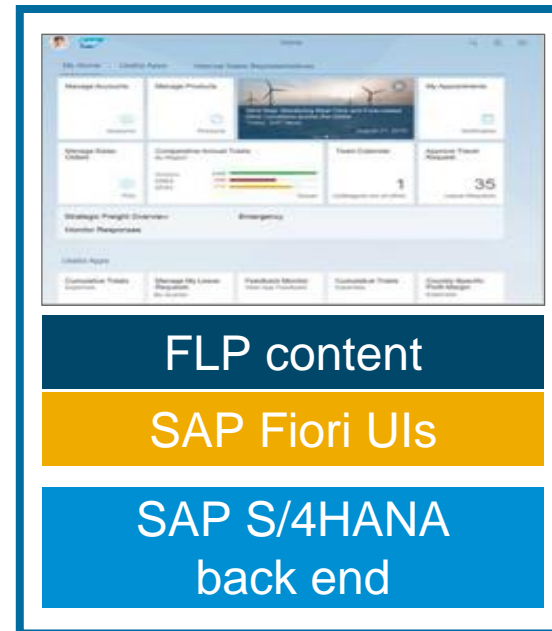
Best Practice: Embedded deployment of SAP Fiori front-end server (FES)

Exceptional alternatives: [SAP Fiori Deployment Options and System Landscape Recommendations](#)

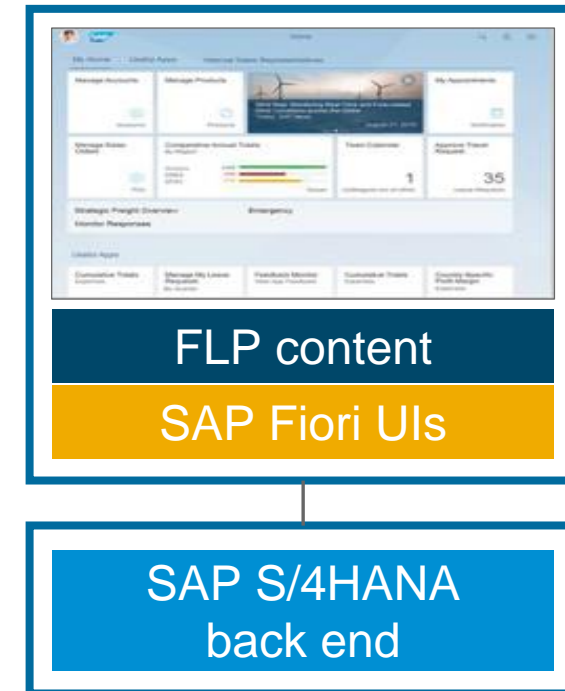
SAP S/4HANA Cloud
Cloud only



SAP Fiori for SAP S/4HANA
Embedded FES



SAP Fiori for SAP S/4HANA
Hub FES

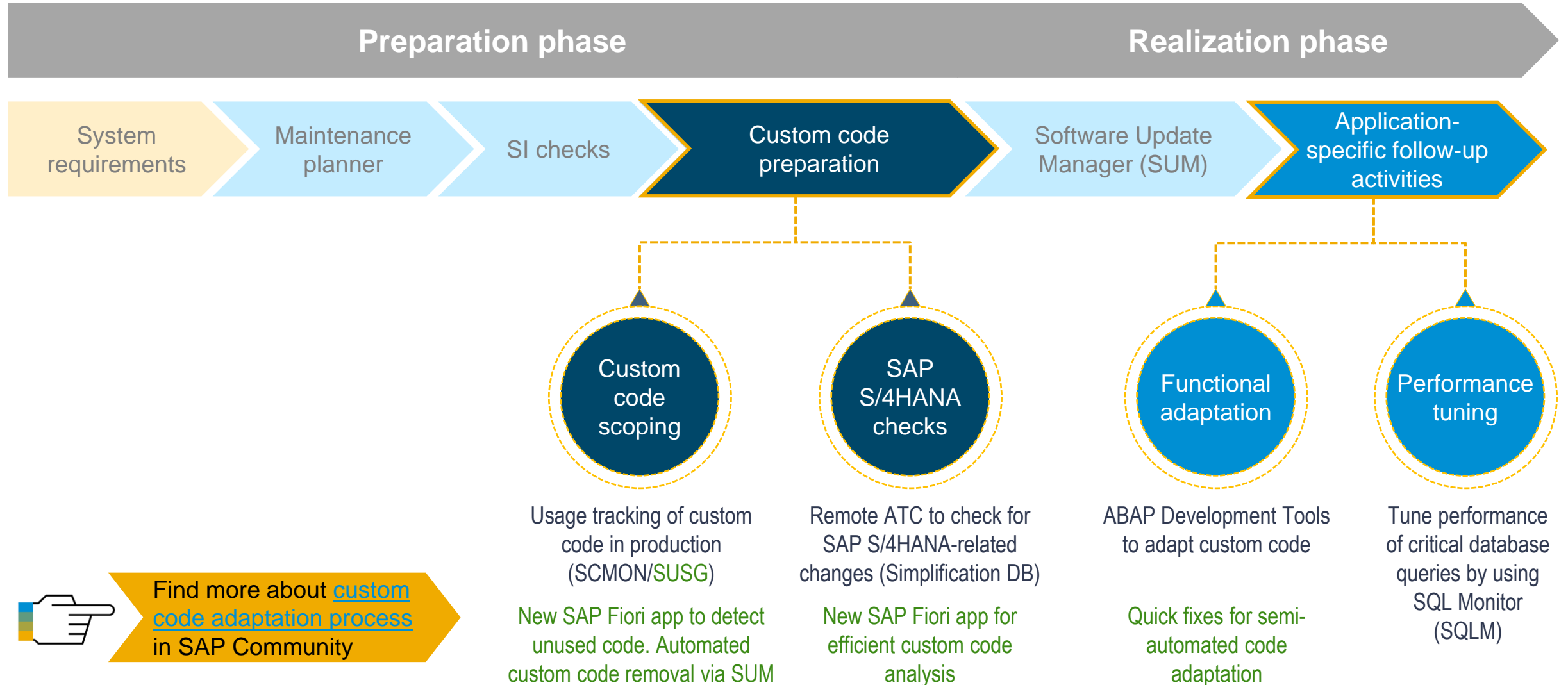


“What activities and steps are required for custom code remediation?”



Moving to SAP S/4HANA – Technical Considerations and Guidance

SAP S/4HANA system conversion: custom code-related process



Find more about [custom code adaptation process](#) in SAP Community

“Which options are available for downtime optimization?”




Moving to SAP S/4HANA – Technical Considerations and Guidance

Approaches for downtime optimization


Approach	Abbreviation	Scenario	Availability*	SAP Note
Downtime-Optimized Conversion		Conversion to SAP S/4HANA	Pilot	2293733
Near-Zero Downtime Technology	NZDT	Several	Service-based	693168
Downtime-Optimized Database Migration Option	downtime-optimized DMO	Migration to SAP HANA database	Generally available	2547309

Downtime Optimized Conversion | with Software Update Manager




< 5TB

Standard Conversion



**6 ... 20TB or
> 1bln Finance records**

New: Downtime-Optimized Conversion



**> 20TB or
combined with Unicode
conversion, DC move etc.**

Near-Zero Downtime Technology

Lab preview

<https://support.sap.com/en/tools/software-logistics-tools/software-update-manager.html#section>

* Current status of planning, may be adapted by SAP without further notice.

“Are there any lessons learned for system conversion projects?”



Moving to SAP S/4HANA – Technical Considerations and Guidance

Lessons learned for SAP S/4HANA system conversions

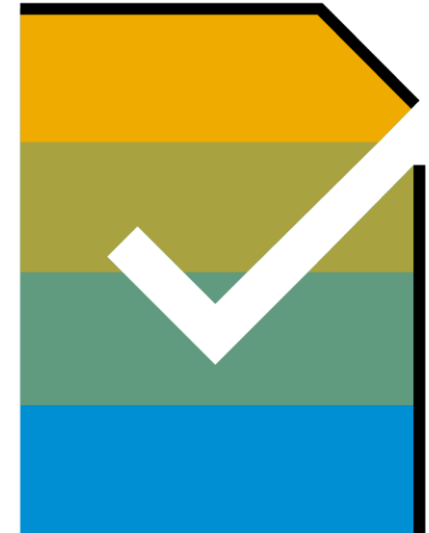
- Become familiar with **simplification items** for target release. Sufficient time for workshops, training (Change Management) has to be included in the project plan
- Plan 2 to 3 **test conversions** on a sandbox/isolated system (refresh/new copy of the system might be necessary) before setting up development system
- Maintain a detailed '**Run Book**' with as many details as possible, all the steps performed, the sequence, the errors and the resolution, and also the time required for each activity. Following these steps exactly for each test conversion requires **discipline**.
- Use the **opportunity to replace custom code** with standard functionality where possible
- Check if (consistent) **archiving** can be done to reduce data volume to be converted



Moving to SAP S/4HANA – Technical Considerations and Guidance

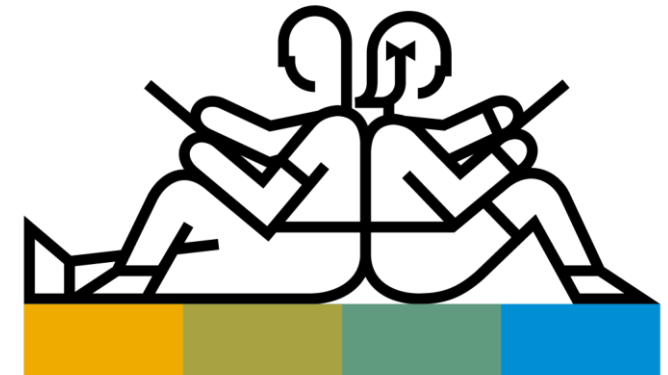
Lessons learned for SAP S/4HANA system conversions

- Check the compatibility of the 3rd-party products as soon as possible and allocate time for **more extensive testing**
- Both **SAP Fiori** and **embedded analytics** should be considered to leverage the full potential of SAP S/4HANA
- Plan **sufficient time for testing of roles and changes in authorizations**
- Accurate project planning can be done only after the first conversion on a sandbox/copy of production has been finished
- Plan **dress rehearsal** (test conversion of productive system under real-time conditions)



Key takeaways

- Multiple tools are available to help kick-start planning of your SAP S/4HANA journey – **SAP Transformation Navigator, Roadmap Viewer, and SAP Readiness Check**
- Determine the best approach to moving to SAP S/4HANA based on your system requirements – **new implementation vs system conversion**
- Plan **multiple conversion** cycles for your project
- Review current **custom code remediation** requirements and development plan to analyze number of custom code objects and custom code usage, and identify potential reduction and optimization of code
- Review **downtime-optimized** options to meet downtime requirements
- Review **lessons learned** from past system conversion projects



Thank you.

Contact information:

open@sap.com

Follow all of SAP



www.sap.com/contactsap

© 2020 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.