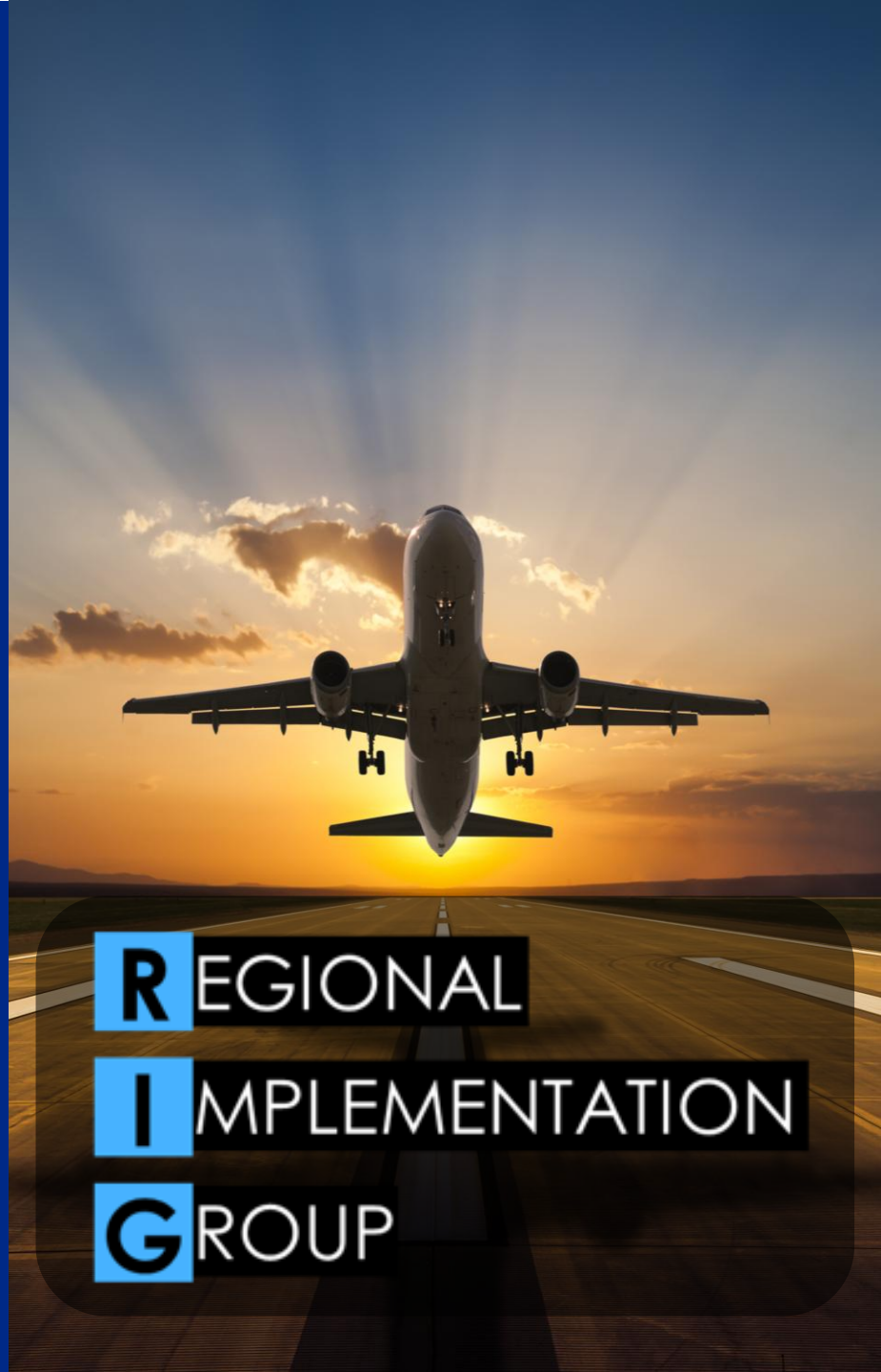
Key Insights about Technology changes and improvements when moving to SAP S/4HANA Cloud Private Edition

Thomas Csapo, Christian Niemann, SAP
October 2026

Public



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SAP S/4HANA Customer Care & Regional Implementation Group (RIG)

Key offerings



SAP S/4HANA Customer Care program

- **During an SAP S/4HANA Private Cloud go-live, upgrade or innovation project**
- Regular remote interaction during the entire go-live project
- More information incl. link to application: Customer Influence & Adoption ; Form Apply here

Early Adopter Care programs

- **During PoC or implementation projects of innovations related to SAP S/4HANA Cloud Private Edition**
- Regular remote interaction
- More information incl. links to application: Universal Parallel Accounting

Key insights sessions

- **Before, during or after a go-live project**
- Key insights sessions on innovation adoption and upgrades (1-2 hrs each)
- To register, please send an email to S4H_Customer_Care@sap.com

Self-service learning assets

- **Before, during or after a go-live project**
- High-quality blogs from hands-on product experts (link to collection of all RIG blogs: Tag: "S4HANA RIG" - SAP Community)
- Hands-on courses in SAP Learning incl. Gain Technical Knowledge on SAP S/4HANA Cloud, Private Edition, SAP S/4HANA UX for Functional and Business Experts

All our offerings are free of charge and complement SAP Services and Support engagements. To apply, email S4H_Customer_Care@sap.com

Agenda



- **Prepare** – Innovation, architecture, UX strategy, Clean Core
- **Explore** – Simplifications, data migration, extensibility, custom code handling
- **Realize** – Security and other basis tasks
- **Deploy** – Preparation of cutover plan
- **Run** – Custom code refactoring and system upgrade

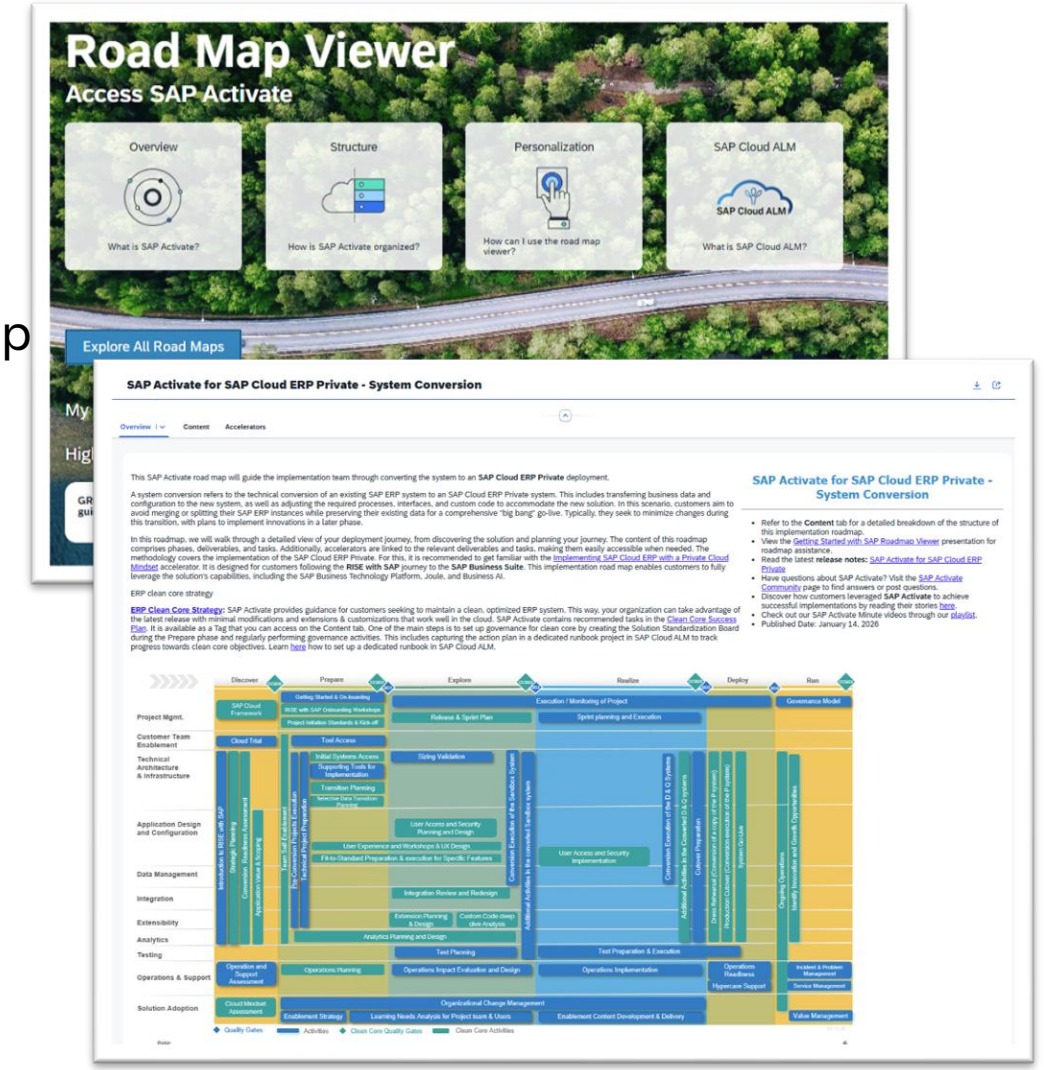
Prepare Phase – Set your Strategy and Plan

"What are the project stages and what should be considered during the initial project preparation?"

SAP Activate Methodology
Roadmap Viewer

Prepare | Explore | Realize | Deploy | Run

- Transition to SAP S/4HANA Roadmaps in the Roadmap Viewer
- Accelerators updated including SAP Best Practices content references
- Update of fit/gap analysis guide – prescriptive, use case pre gap type, SAP Cloud ALM use, links to documentation templates.
- Harmonized Q-Gate process and templates
- Overall methodology text updates based on customer and project feedback
- Separate SAP S/4HANA Cloud Private Edition Roadmaps available: SAP Activate for SAP Cloud ERP Private



Blogs:
- Explore the SAP Activate Methodology using a reimagined Road Map Viewer
- Say Hi to Joule in SAP Activate road map viewer

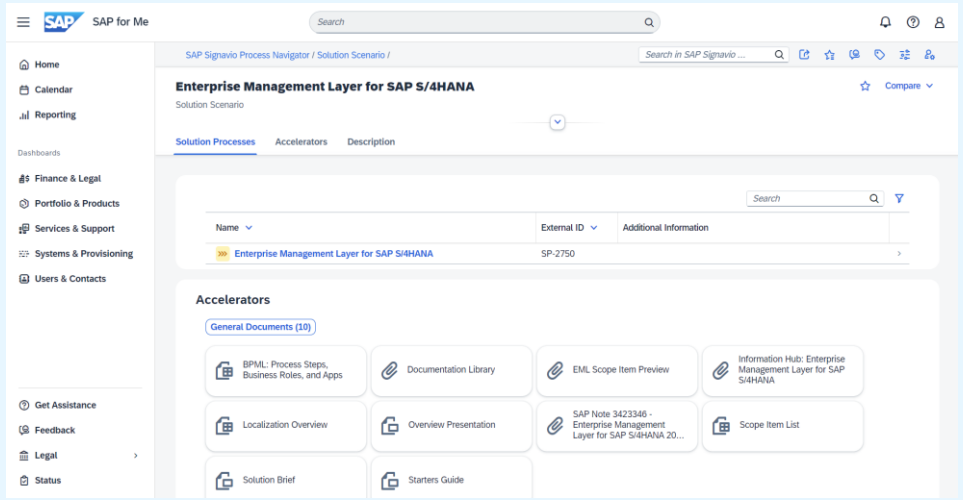
Implementation accelerators

Prepare | Explore | Realize | Deploy | Run

Greenfield only

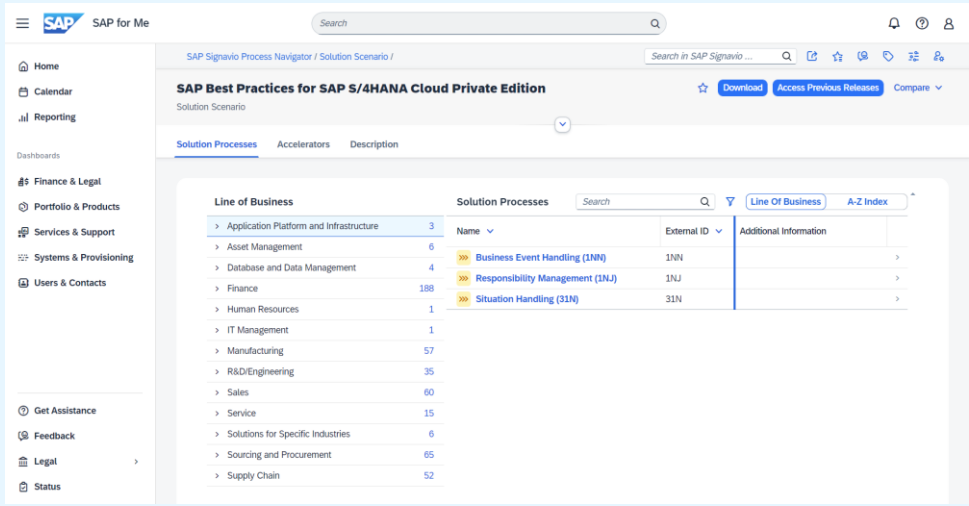
Customers starting their journey with a New Implementation (Greenfield Implementation) have the options to use accelerators from SAP or their SI Partner. The options from SAP are:

Enterprise Management Layer



Link: SAP Signavio Process Navigator

SAP Best Practices



Link: SAP Signavio Process Navigator

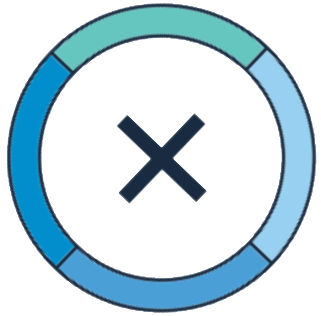
Roles and Responsibilities

SAP Enterprise Cloud Services (ECS) Roles & Responsibilities (R&Rs) are published in accordance with SAP pricing. The official R&R's for customer use and reference is published on **SAP.com**:

SAP Cloud ERP Private Cloud Services Documentation - Roles and Responsibilities

Standard **Services**	All tasks/services that are included as part of the standard Services, covered by the Service Fee and performed by SAP, as applicable to customer.
Optional Services	Optional Services: these tasks/services are not covered in the standard Services, and are not and cannot be covered by the Cloud Application Services ("CAS"). These tasks/services • may be elected by customer, • are subject to additional service fees, • must be specifically contracted for and itemized in the customer's contract (original contract or via a change request), and • can only be performed by SAP
Additional Service	Additional Service: Include one-off tasks/services which are not covered by Standard, Optional and/or Cloud Application Services. These tasks/services • may be elected by customer, • are subject to additional service fees and • can only be performed by SAP
Cloud Application Services ("CAS"). Can be performed by customer.	Cloud Application Services ("CAS"). Can be performed by customer: Include tasks/services that a customer can perform, but the customer may elect to have SAP to deliver. CAS is subject to additional service fees as agreed in a customer's contract.
Excluded Tasks	Excluded Tasks are those tasks/services that can only be performed by the customer and are excluded from Standard Services, Optional Services, Additional Services and/or Cloud Application Services.

Basis Tasks for Customer/Partner



No longer required

No access to client 000 (if somehow needed, only possible via service request for access)

- No access to maintain STMS configuration
- No access to view standard 000 configuration

No operating system access to SAP instances

No SYSTEM access to SAP HANA DB

Backups and restores no longer managed by basis team

SAP installations and upgrades

Installations of SAP and third-party add-ons and plug-ins

SAP application server and database restarts



Still required

SAP_ALL - All available transactions codes are still available

Develop SAP client strategy

Develop change management process and manage transports

SAP security maintenance and support

SAP Fiori activation (on top of initial activation) and support

SAP BTP administration and management

Manage SWF5 switch framework

Applying SAP notes

Performance tuning

SAP Profile maintenance

HANA DB user is created for customer HANA tenant

Clean Core
Definition

What is a clean core?

Clean core is **a set of guiding principles** that support continuous business transformation by helping organizations design **agile, innovative, and efficient ERP systems.**

The principles focus on **building resilient business processes and extensions** supported by seamless integration, efficient operations, and high-quality data.

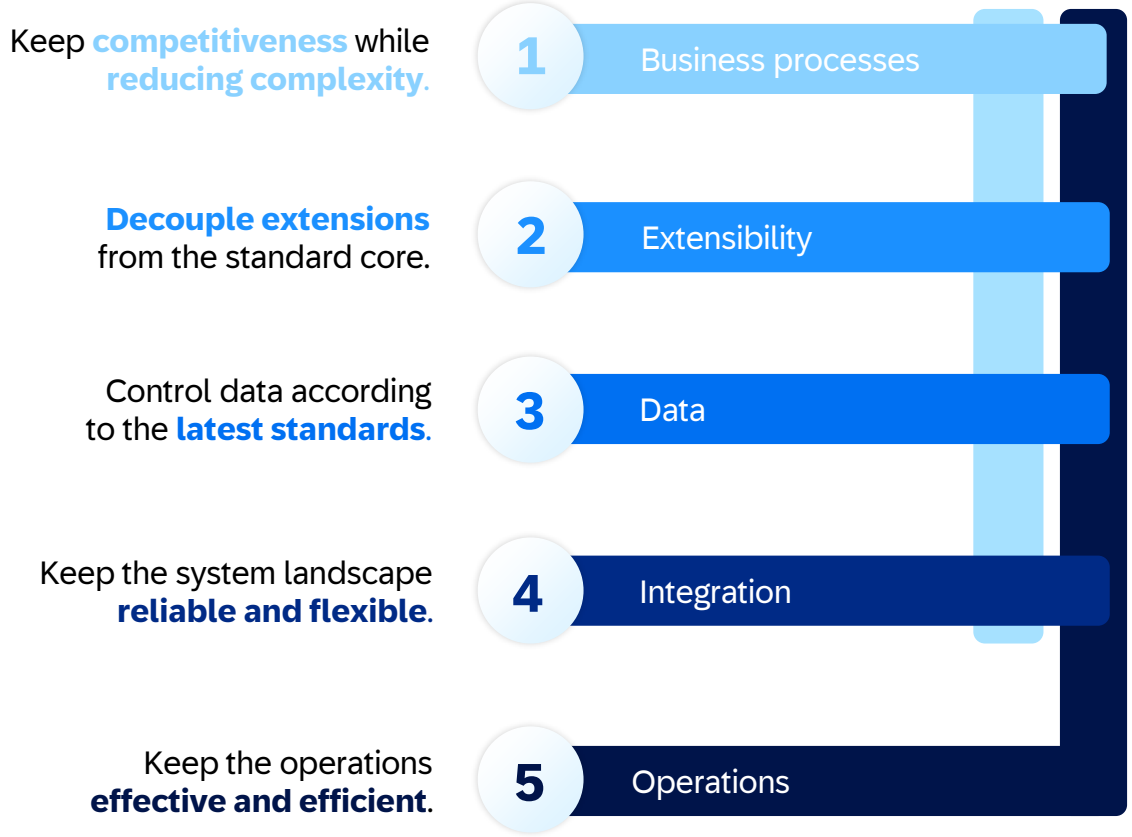
Clean core ensures the **solid foundation** for **Business AI adoption** on the journey to the **Autonomous Enterprise**

Clean Core
The Five Guiding Principles

Five **clean core principles** ensure that business-critical systems remain **agile, cost-efficient, and ready to adopt innovations** that drive growth.

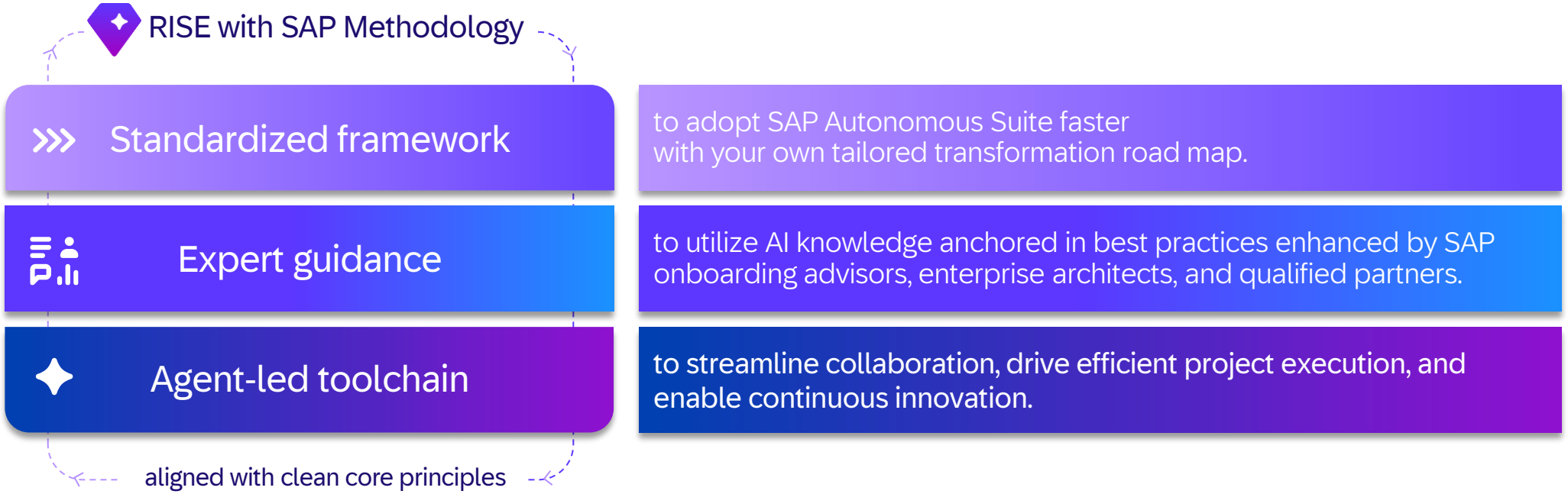
By adopting standard processes, while incorporating stable **extensions and integrations for differentiating processes**, the clean core principles help customers flexibly adapt to changing business requirements and adopt new capabilities.

A **strong governance** is required for each technical dimension of Clean Core.



RISE with SAP Methodology
Key-components

Prepare | Explore | Realize | Deploy | Run

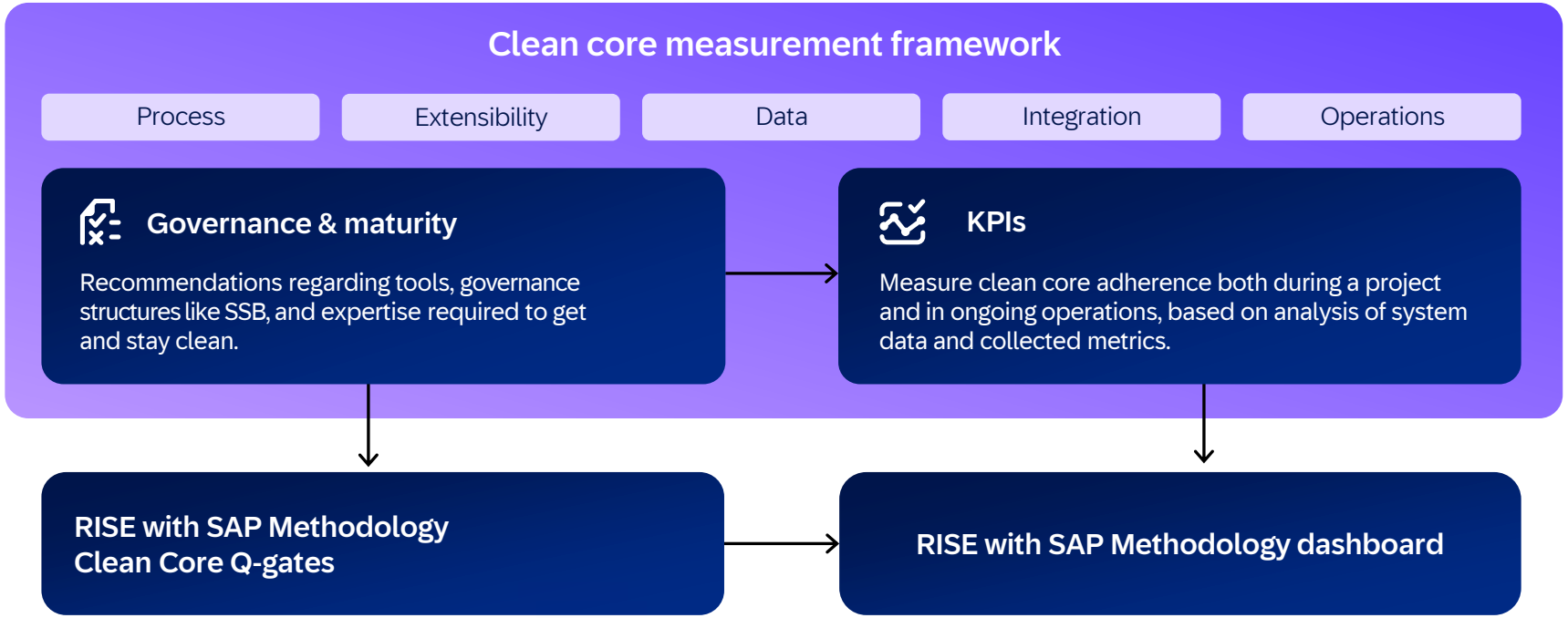


How to measure Clean Core

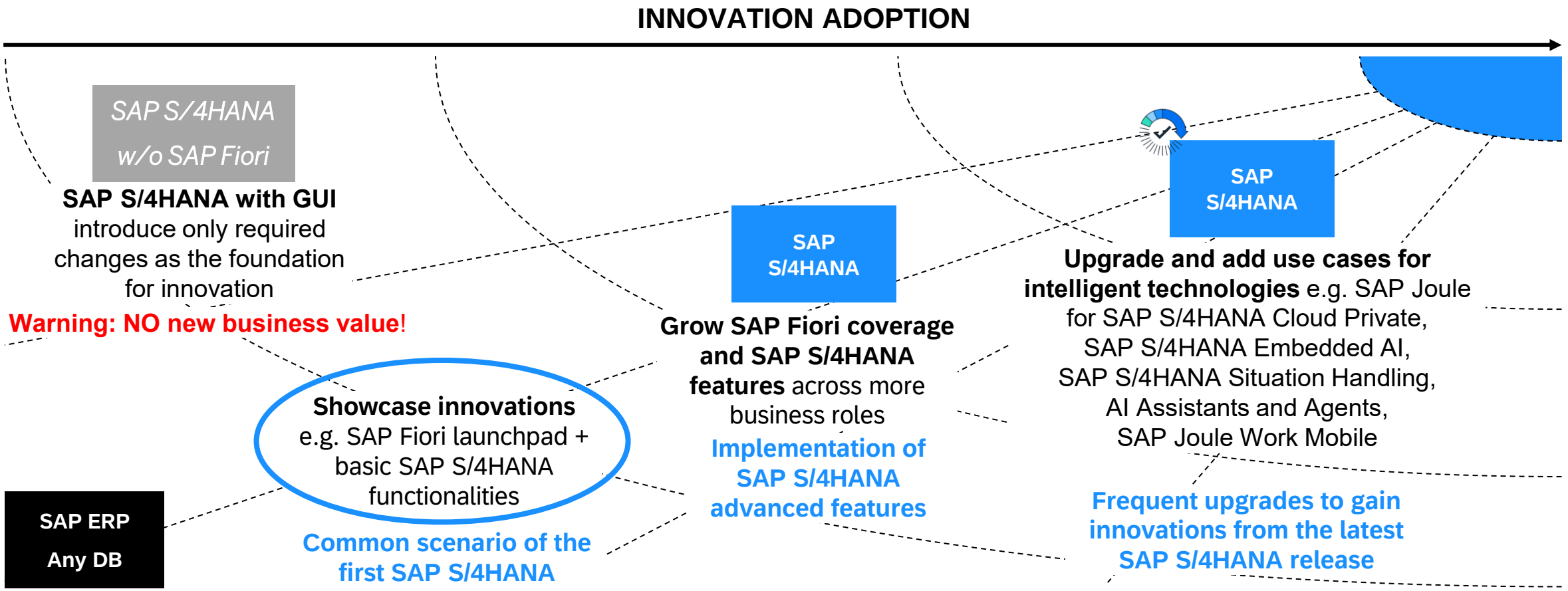
Assess, track progress, and improve

Prepare | Explore | Realize | Deploy | Run

The clean core measurement framework enables customers to successfully advance toward a **clean core** by assessing their **governance and maturity,** defining concrete **actions,** and continuously tracking their success using **clean core KPIs.**



User Experience and SAP Fiori
A Must for Innovation

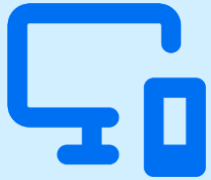


More Information:
Mapping your journey to SAP S/4HANA – A Practical Guide for Senior IT Leadership;
Recommendations for transitioning users from SAP GUI to SAP Fiori

UX, SAP Fiori and Innovation

Prepare | Explore | Realize | Deploy | Run

Innovations SAP S/4HANA Cloud Private Edition brings as available content



More than 3.6K SAP Fiori apps



More than 1.7K embedded analytics



100s of new business processes only in SAP Fiori



More than 400 Search objects



More than 90 notification providers



More than 130 Situation Handling templates



Dozens of Intelligent Scenarios (Machine Learning aka Narrow AI)



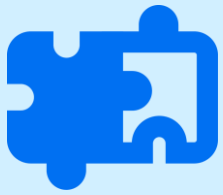
100s of SAP Business AI use cases, including SAP Joule



Dozens of Process Automation Packages & 950 APIs in SAP Business Accelerator Hub



More than 700 task tutorials, tours &/or SAP WalkMe digital adoption platform available



Mix and match with more than 11.5K classic UIs

Joule is available for SAP S/4HANA Cloud solutions.

Project Planning
Overall High-Level Plan

Prepare | Explore | Realize | Deploy | Run

Conversion only

System Conversion to SAP S/4HANA

Cycle 1 – PRD to "Sandbox"

Purpose
- Test upgrade, conversion and migration steps with copy from production
- Create conversion / migration cookbook
- Execute multiple technical iterations to familiarize with process

Note
- Check business process requirements to be performed and perform ABAP code analysis, house-keeping before the migration

Cycle 2 – DEV Conversion

Purpose
- Establish SAP S/4HANA development environment
- Refine cookbook

Note
- Upgrade & conversion Work Packages will differ from production
- Perform mandatory code adaptations and simple code optimizations
- Perform post-conversion Work Packages to adapt business processes

Cycle 3 – QA Conversion

Purpose
- Establish SAP S/4HANA QA environment
- Enhance cookbook
- Testing environment:
  - Integration
  - Functional regression
  - Operational readiness
  - User acceptance
- Business Function Testing of new/adapted processes

Cycle 4 – PRD to "Sandbox"

Purpose
- Mock cutover
- Final dress rehearsal
- Optimize & validate E2E business downtime
- Finalize & validate cookbook
- Finalize & validate cutover plan
- Testing environment:
  - Infrastructure testing
  - Post-cutover operational performance testing

Cycle 5 – PRD Conversion

Purpose
- Establish new PRD environment

Note
- Execute end-to-end business downtime precisely as defined within cutover plan
- Execute technical Work Packages precisely as defined in cookbook
- Plan code optimization projects

DEV: Development System

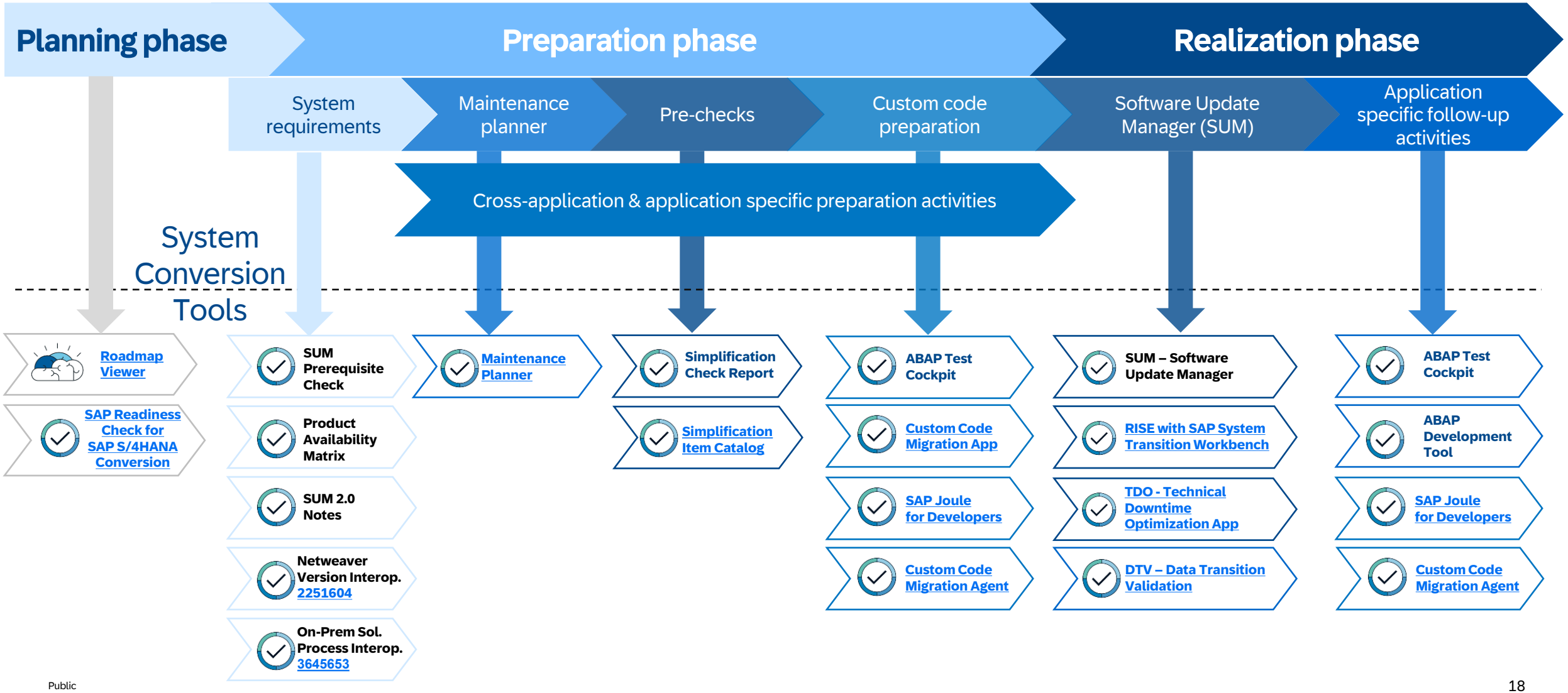
QA: Quality Assurance System

PRD: Productive System

Project Planning
Important Tools / Notes

Prepare | Explore | Realize | Deploy | Run

Conversion only



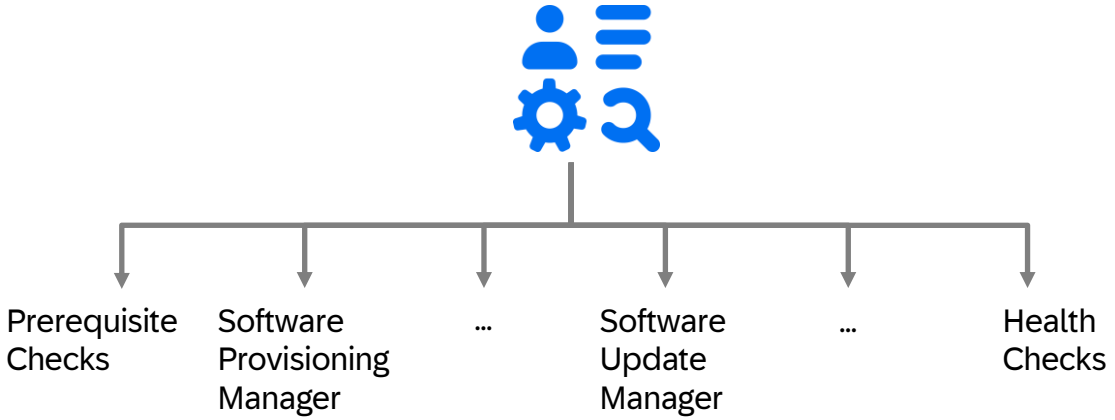
Project Planning

Important Tools - RISE with SAP System Transition Workbench

Prepare | Explore | Realize | Deploy | Run

Conversion only

The **RISE with SAP System Transition Workbench** safeguards your transition projects by providing you with a singular highly automated guided system transition procedure, that combines all the necessary **technical** activities and tooling.



Encapsulating the existing tooling, needed for the selected transition approach

Preparation and prerequisite activities, ensuring the system's readiness

A growing set of health and quality checks reflecting ECS's standard for a smooth handover

Further information:

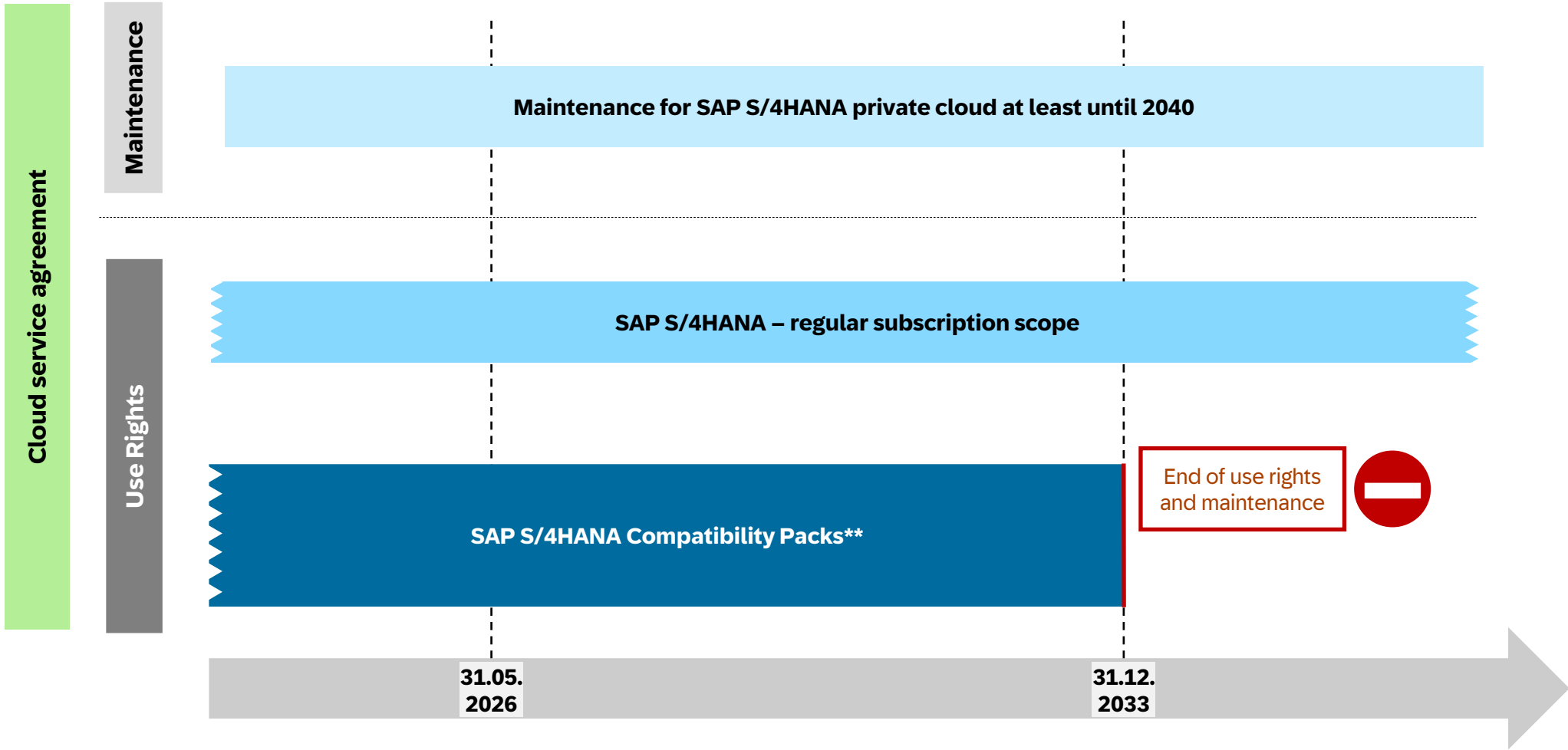
help.sap.com - RISE with SAP system transition workbench

SAP note 3462243 - RISE with SAP System Transition Workbench

Only SAP and certified partners are eligible for usage which have earned at the minimum "Essential Level" designation for the SAP Cloud ERP Private competency as visible in SAP Partner Finder.

Compatibility Scope

SAP Maintenance Commitment and Usage Rights*
SAP S/4HANA operated under a cloud subscription contract



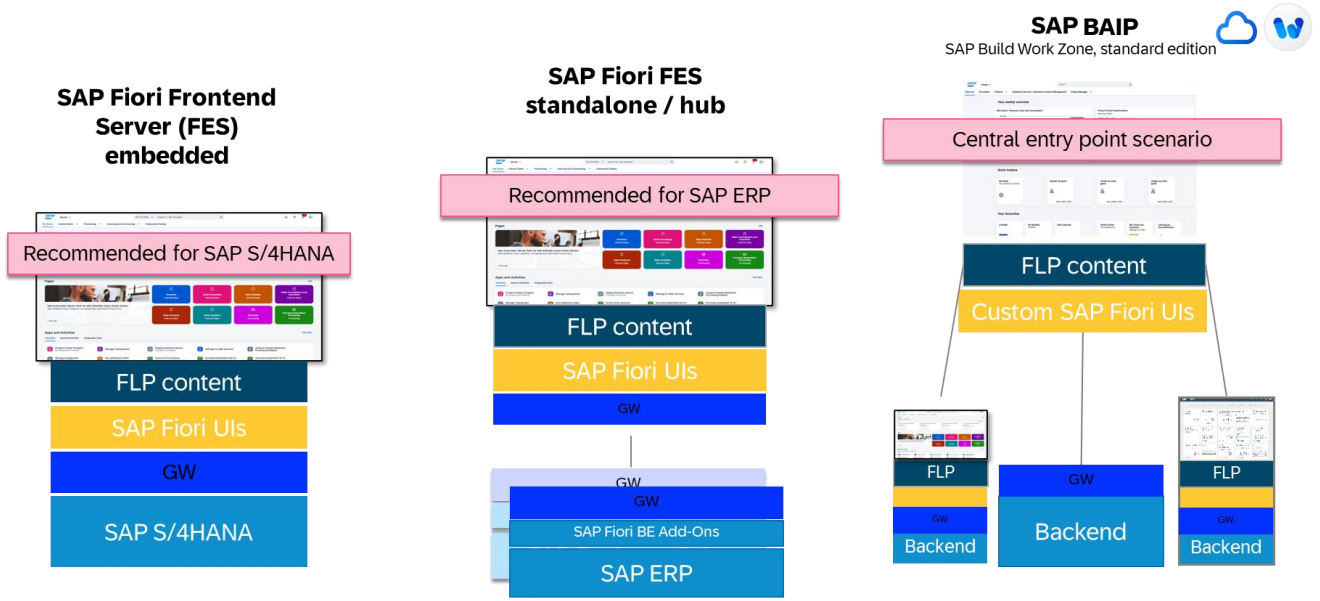
* According to SAP's Release&Maintenance Strategy and the Product Availability Matrix

** As defined in SAP Note 2269324 - Compatibility Scope Matrix for SAP S/4HANA - SAP for Me

Architecture
Deployment Options – SAP Fiori FES

- The general architecture recommendation is to have an embedded SAP Fiori FES deployment
- SAP Fiori Deployment Options and System Landscape Recommendations
  - Not possible to have a central SAP Fiori FES hub deployment to connect to multiple backend systems: SAP Note 2590653
  - Central Launchpad approach on SAP Launchpad Service in SAP Business AI Platform

- For jumpstarting exploration SAP recommends the Rapid Activation of SAP Fiori for selected business roles in development systems
- SAP ECS will enable a sample of apps, but it's crucial as customer that you know how to activate more business roles / apps, see roles and responsibilities
- SAP Fiori deployment options and SAP Fiori front-end server strategy – UPDATE 2025
- Patching SAP Fiori (SAP UI5)



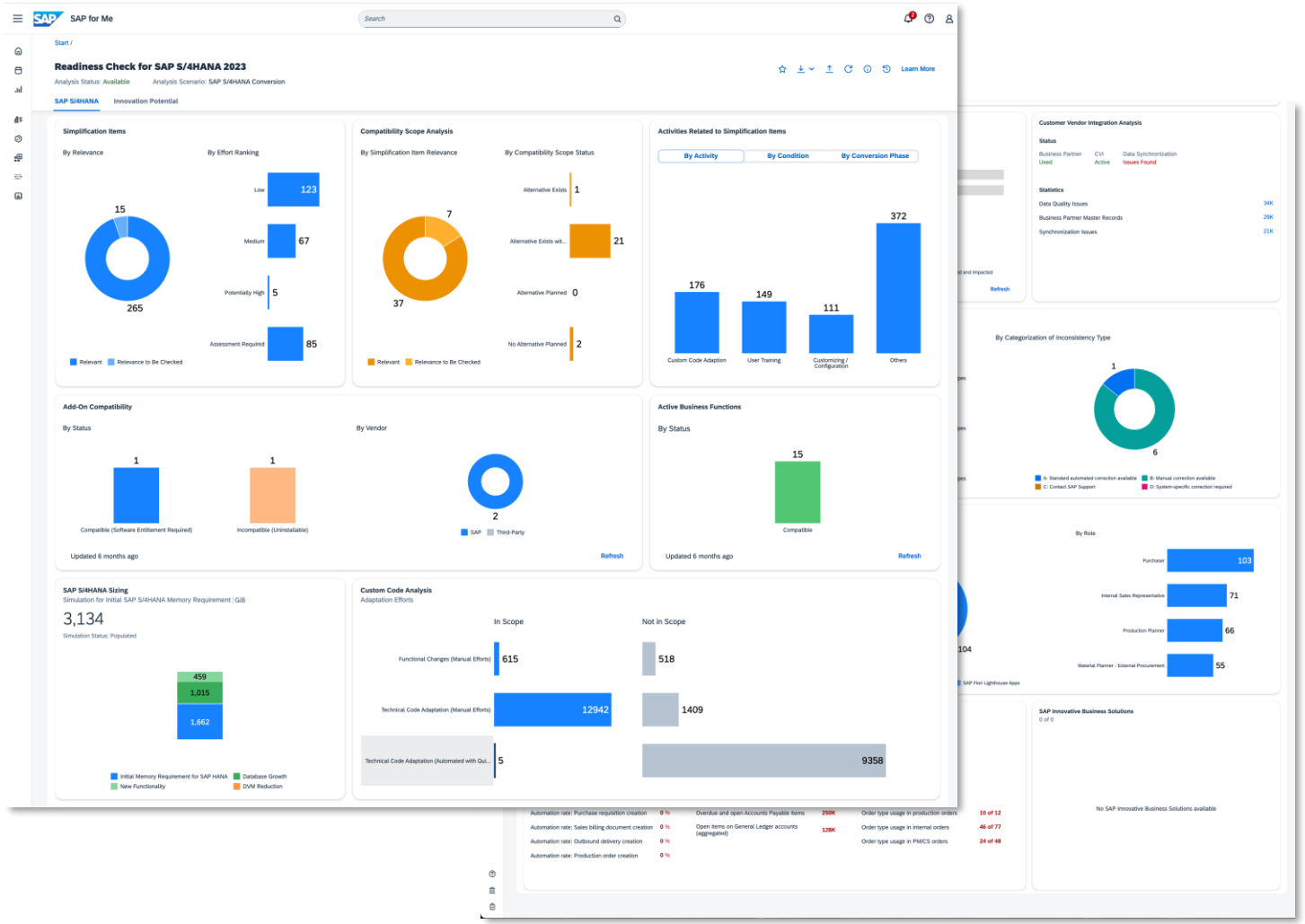
SAP Readiness Check for
SAP S/4HANA Conversion

Prepare | Explore | Realize | Deploy | Run

Conversion only

Available Checks and Analyses

- Simplification Items
- Compatibility Scope Analysis
- Activities Related to Simplification Items
- Add-On Compatibility
- Active Business Functions
- SAP S/4HANA Sizing
- Custom Code Analysis
- Integration
- Customer Vendor Integration Analysis
- Planned Downtime Calculator
- Financial Data Quality
- App Availability
- Recommended SAP Fiori Apps
- SAP Innovative Business Solutions
- Business Process Discovery
- Innovation Potential
- SAP Business AI Capabilities



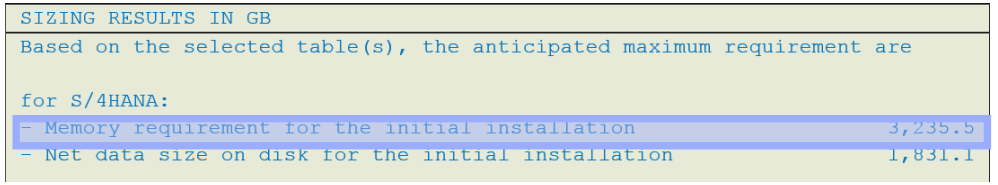
Covering both SAP S/4HANA (on premise) and SAP S/4HANA Cloud Private Edition

Readiness Check SAP Note

Transition Preparation
Archiving Before Sizing

Conversion only

- Archive as much data as possible before S/4HANA sizing and conversion — this directly reduces conversion effort and downtime. Archived data remains accessible via additional tooling.
- In addition, establish a housekeeping strategy for outdated technical table data.
- Use the sizing report in SAP Note 1872170 to identify the largest technical tables, and SAP Note 2388483 for deletion guidance.



SIZING RESULTS IN GB

Based on the selected table(s), the anticipated maximum requirement are

for S/4HANA:

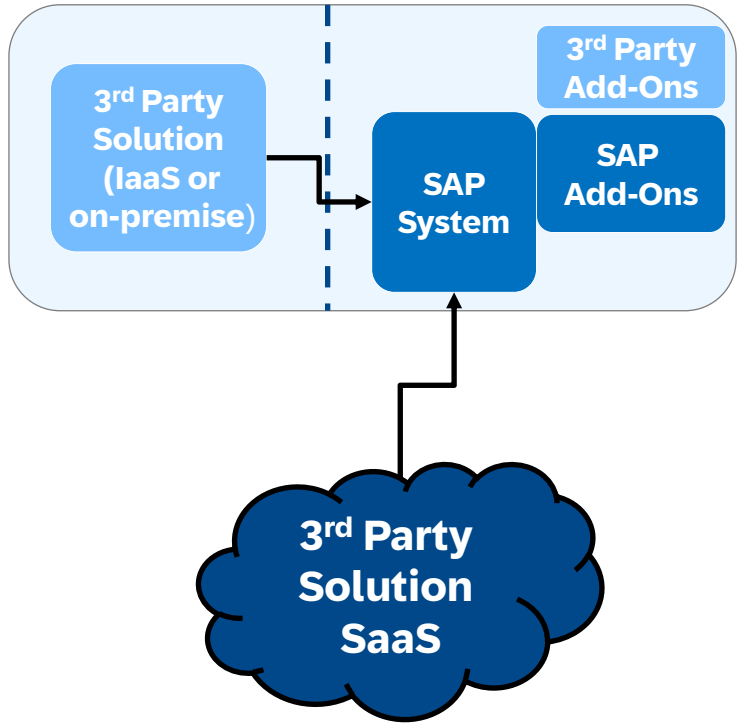
- Memory requirement for the initial installation 3,235.5
- Net data size on disk for the initial installation 1,831.1

LARGEST COLUMN STORE TABLES	ESTIMATED HANA MEMORY SIZE IN GB	ESTIMATED RECORD COUNT
CDPOS	606.4	9,808,466,109
PCL2	168.8	83,102,564
EDID4	91.8	1,800,157,720
FAGLFLEXA	60.5	854,596,490
FAGL_SPLINFO_VAL	48.2	1,394,503,593
PPOIX	46.5	1,198,116,017

LARGEST TABLES	ARCHIVING OBJECT	LAST ARCHIVING RUN
CDPOS	FI_ACCOUNT	20111215
PCL2	PA_CALC	20160824
EDID4	2 OBJECTS	
FAGLFLEXA	FI_DOCUMNT	20180412
FAGL_SPLINFO_VAL	FI_DOCUMNT	20180412
PPOIX	PA_PIDX	

Add-Ons
Preparations and Management

- All Add-Ons require SAP ECS approval before production use — allow up to one month and initiate this early, including for external packages, agents, and libraries.
- 3rd party solutions are the customer's responsibility. Certified solutions are recommended, though not mandatory.
- No third-party software may be installed on any SAP-managed server. Solutions must run on the ABAP stack, without operating system access.
- Engage partners at the earliest opportunity: SAP S/4HANA-compatible versions may not yet exist, and licensing terms might differ from ERP. SAP Beta Programs are an option worth exploring for partners.
- Add-Ons are either co-deployed or run side-by-side. Use SAP Notes 2214409 and 3029231 to confirm compatibility with your target release. For decommissioning, check SAP Notes 2011192 and 2911053.
- See Third-Party Solutions usage in RISE with SAP S/4HANA Cloud Private Edition | SAP Blogs for more details.
- For partner products listed on SAP price list, please check SAP Note 3634480 - SAP S/4HANA Cloud Private Edition 2025 : Compatible versions of SAP Solution extensions

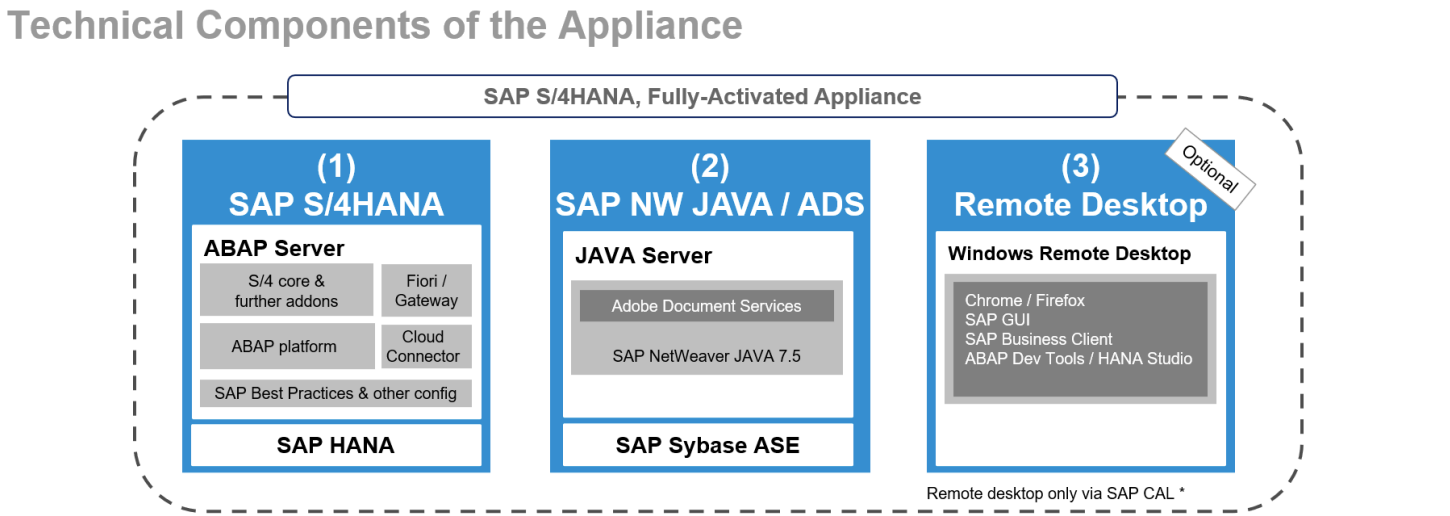


Explore Phase – Analyze Your System

“What should I explore before execution?”

CAL Trial System Usage

- Cloud Appliance Library (CAL): Repository of latest, pre-configured SAP solutions that can be instantly consumed in the cloud.
- Familiarize key users with the new interfaces and Fiori apps
- Use one of the Best practice clients for the Fit/Gap analysis in the subsequent phases
- Technical Components of SAP S/4HANA 2025, Fully-Activated Appliance:



* Note:

- The remote desktop is only available in the SAP Cloud Appliance Library (SAP CAL), and not via download.
- The remote desktop is optional in CAL but is included by default. You can select/deselect this VMs in the Advanced Mode of instance creation. Please consider deploying the remote desktop (even if it slightly increases the hyperscaler costs) since it provides a good way of testing and troubleshooting potential network access issues. Once an instance has been created, this choice cannot be changed anymore for this instance.

Sandbox environment

SAP offers customers multiple options to help fast track self-enablement in the Prepare phase of their implementation.

If customer tenants have not been provisioned, alternatives are available for Fit-to-Standard analysis.

- **OPTION 1**: Starter system for SAP S/4HANA Cloud Private Edition link
- **OPTION 2**: SAP S/4HANA Fully-Activated Appliance link
- **OPTION 3**: Converted Sandbox System (in case of SAP S/4HANA system conversion approach)

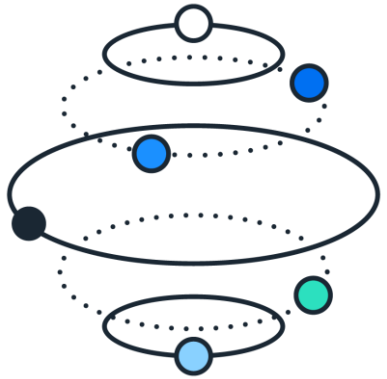
More information on each option including SAP Fiori Rapid Activation can be found here.

Consider each option carefully, planning the provisioning of the systems can be coordinated via your SAP Account Executive.

Define Migration Strategy
General considerations

It is important to determine how data is transferred from the legacy system to the new system as early as possible.

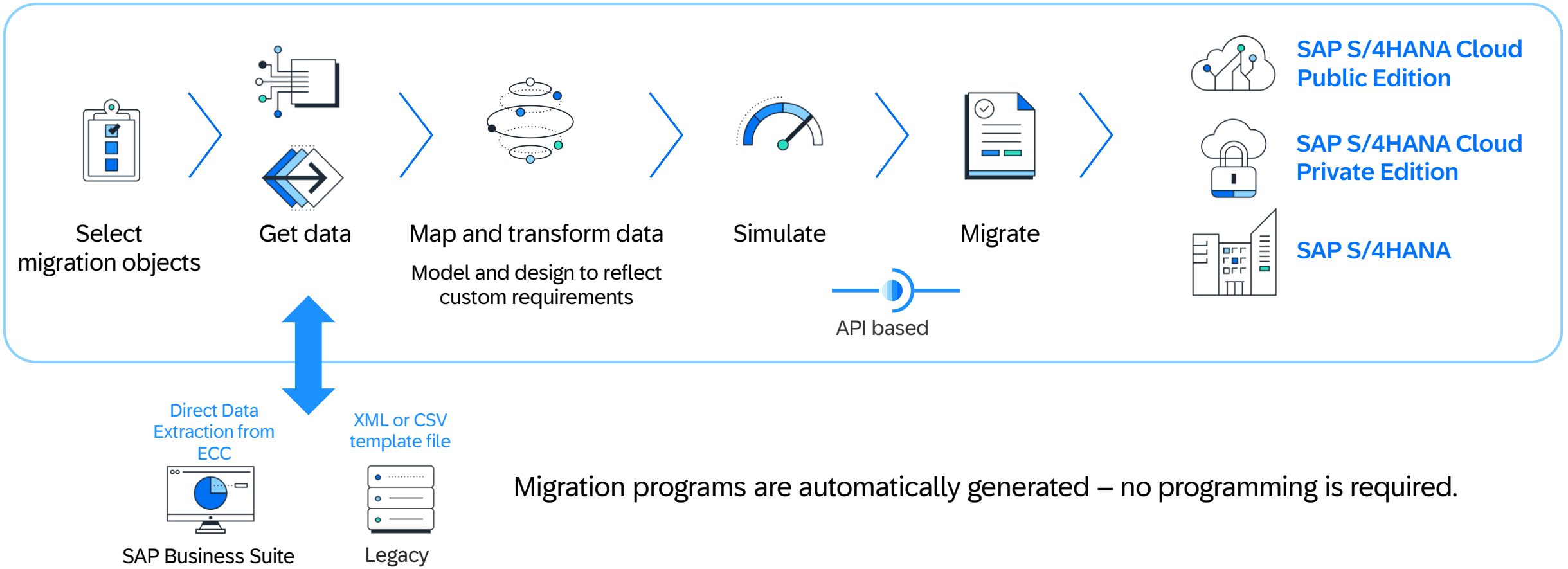
There are many influencing factors that could drive the appropriate approach for a specific system. Some factors to consider include, but are not limited to:



- Amount of business data to be transferred and converted
- Permitted business downtime
- Data changes in scope during migration
- Type of data in scope for migration
- Business data quality of the source system
- Check customizing

Relevant customizing in the target must be available (for example, organizational units, define document type for migration, define accounts for migration, remove account blocks)

Migration Cockpit



Migration programs are automatically generated – no programming is required.

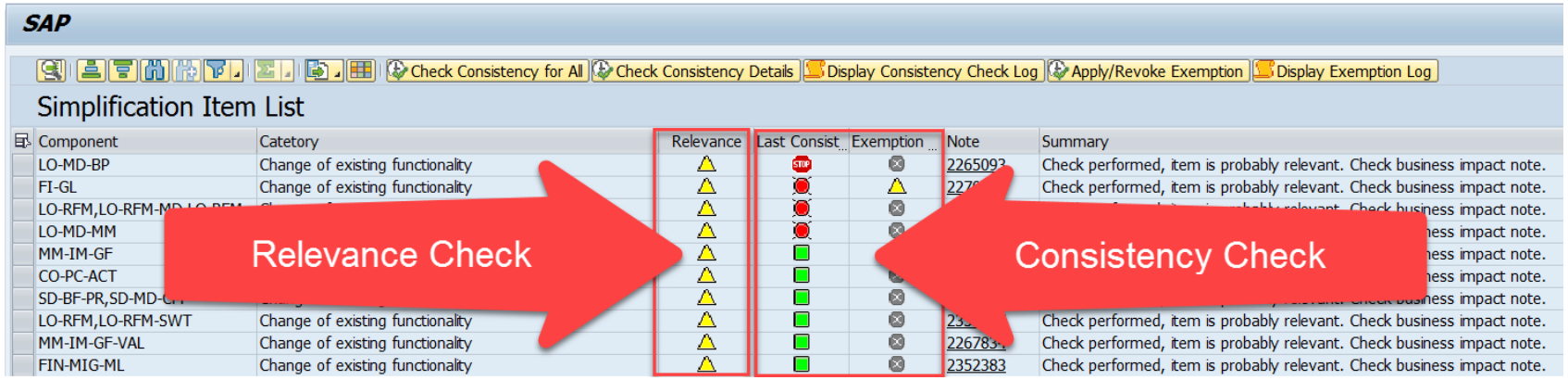
Simplification Item Checks
Overview

Prepare | **Explore** | Realize | Deploy | Run

Conversion only

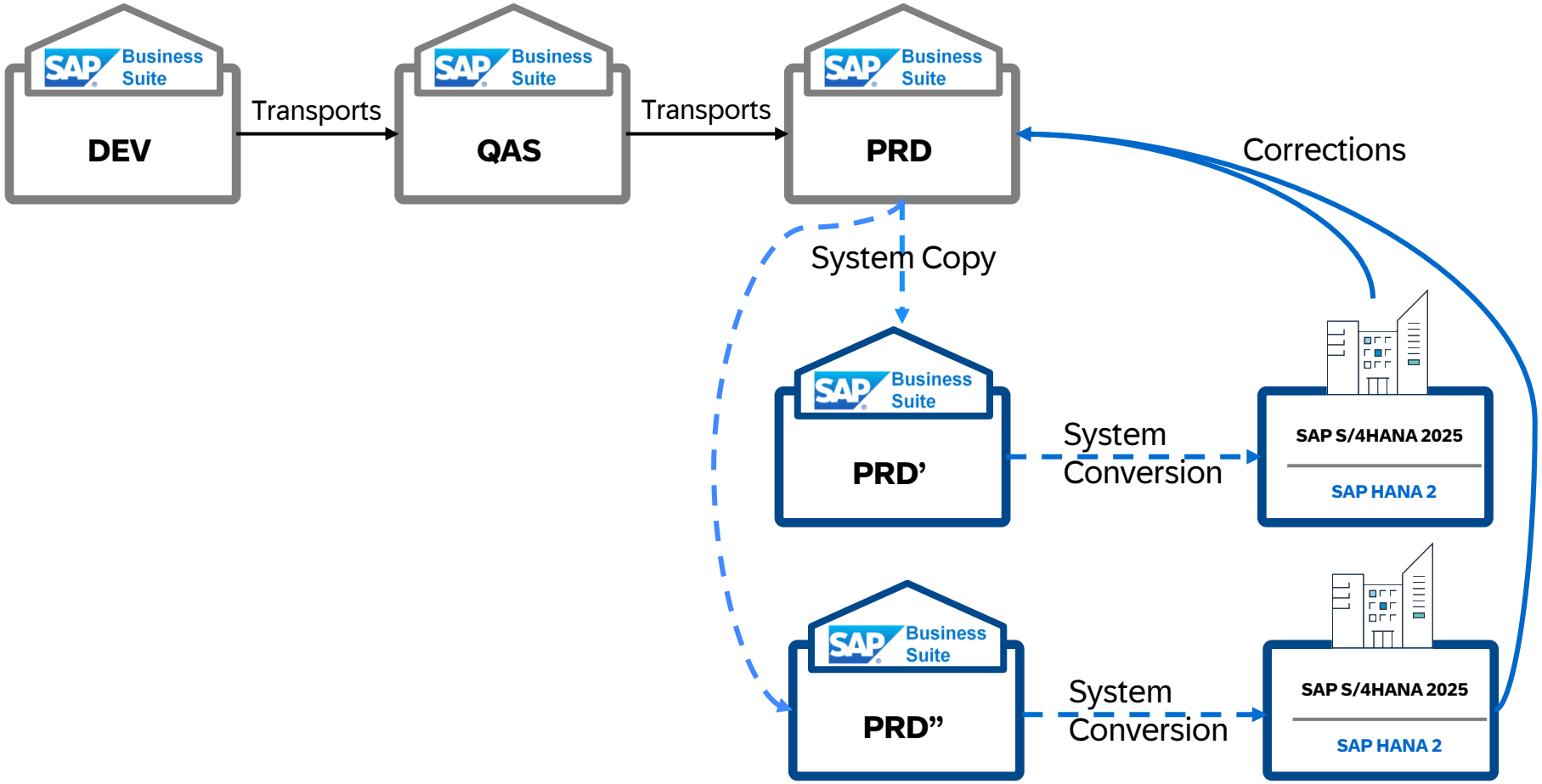
Run manually in advance — SUM will also execute this at least twice during conversion. Unresolved critical issues can cause the conversion to fail. Prerequisites: SAP Notes SAP Note 2399707 and SAP Note 2502552. More details in this blog.

- **Relevance Check** — determines which Simplification Items apply to your system. Review all **Yellow** items.
- **Consistency Check** — validates data consistency and mandatory preparation steps. All **Red** items must be resolved before SUM reaches RUN_S4H_SIF_CHECK_EXEC, or the conversion will fail. Apply exemptions only as a last resort.



Finance Implications
Multiple Sandbox Iterations

Conversion only

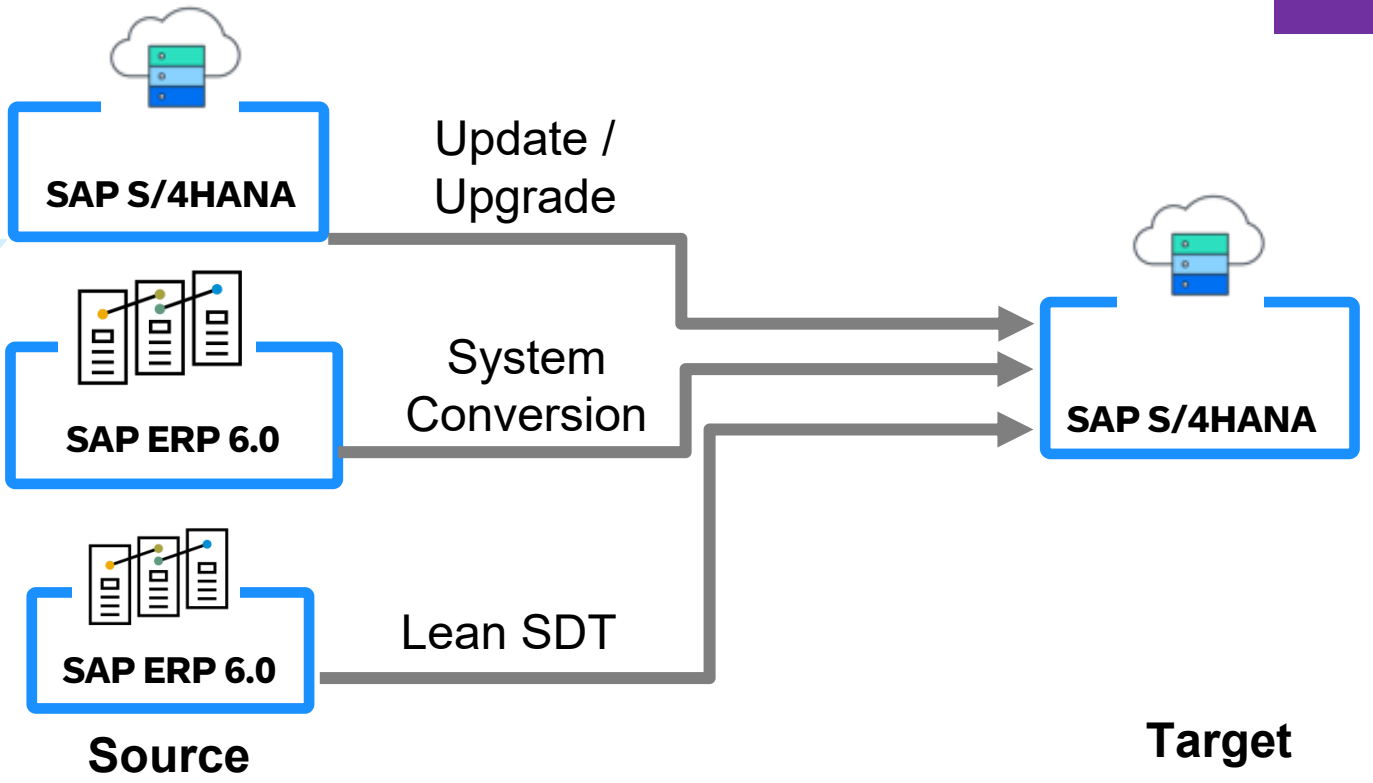


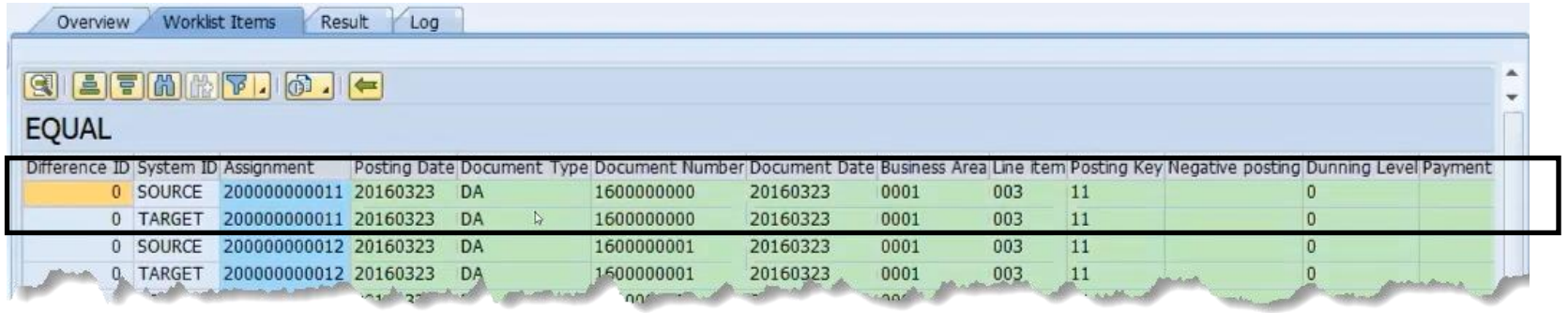
Data Transition Validation (DTV)

Data comparison tool

Conversion and upgrade

SAP's standard tool to check the quality of the migrated data and present the comparison results





Data Transition Validation (DTV)
More Information

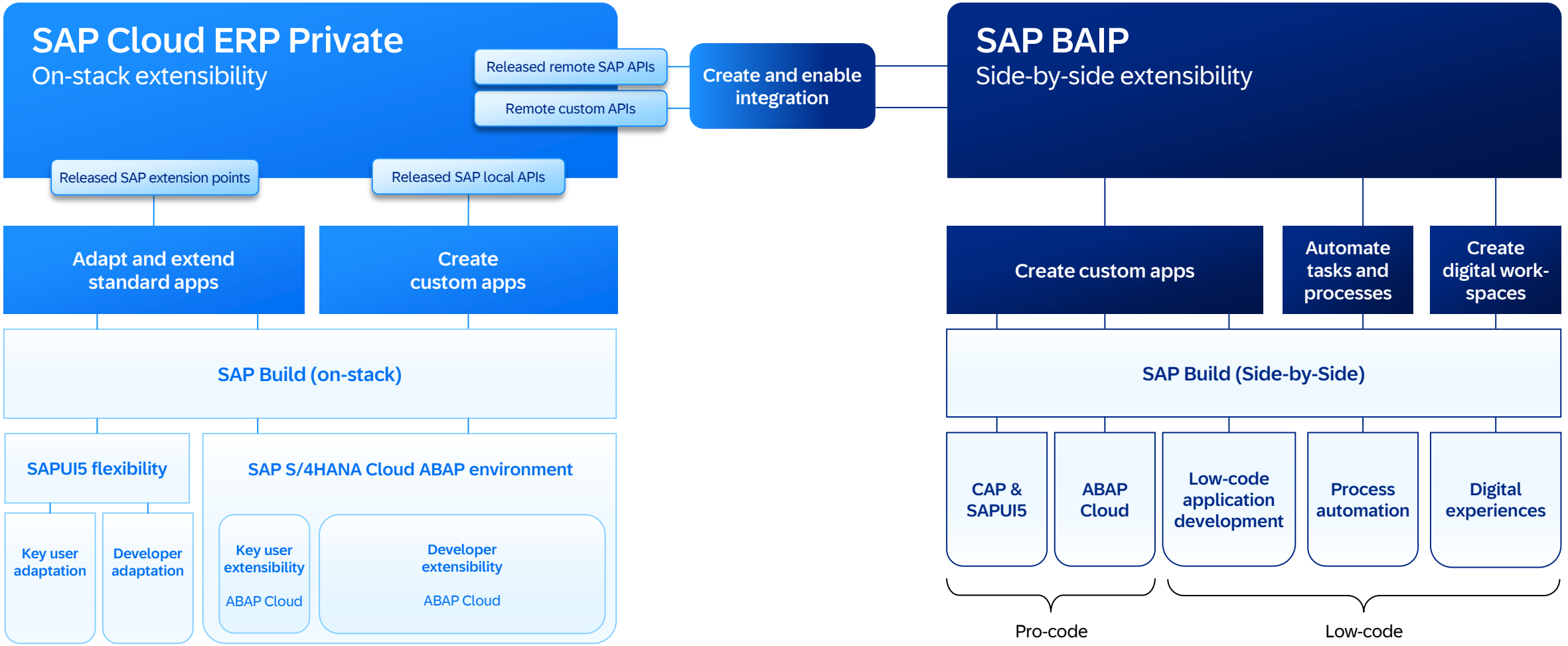


Conversion and upgrade

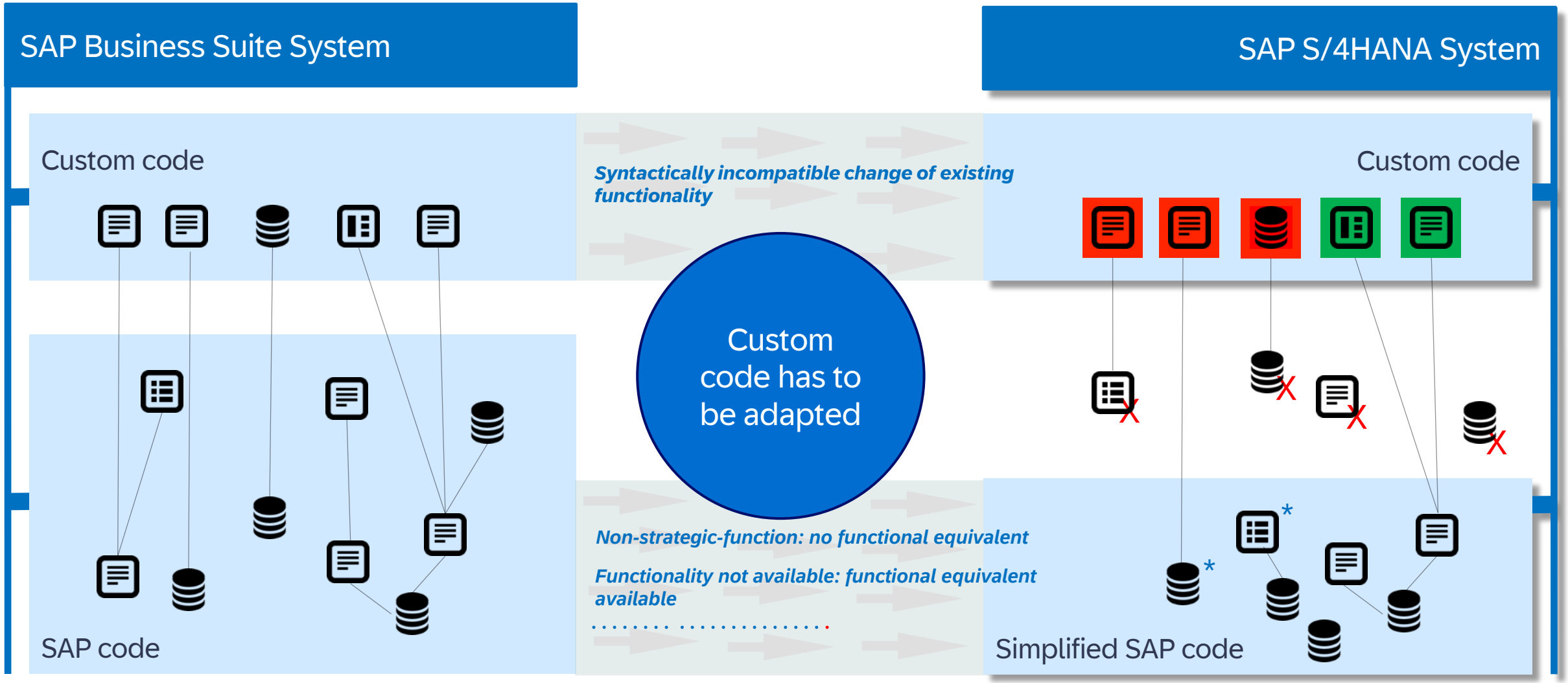
- Data Transition Validation Documentation in SAP Help Portal
  Data Transition Validation | SAP Help Portal
- SAP Community Blogs
  https://blogs.sap.com/2022/01/28/an-introduction-to-the-data-transition-validation-tool/
  Business data validation using DTV tool
  Best practices to follow during DTV implementation - SAP Community
  Business Data Validation of Custom Reports using Data Transition Validation (DTV) tool | SAP Blogs
  What's new in DTV 1.8 - SAP Community
- Central SAP Note
  SAP Note 3117879 DTV Tool – Central Note
- Pre-delivered content (version list and content files)
  SAP Note 3258383 DTV : SAP Pre-delivered Content
- Learning Journey
  Mastering the Data Transition Validation Tool

Extensibility Overview

Simplified view on extensibility options with SAP Build



Custom Code Handling
Adaptation Required



Custom Code Handling

Accelerate with Joule for Developers / Custom Code Migration Agent

Prepare | **Explore** | Realize | Deploy | Run

Conversion only

From SAP S/4HANA 2025, AI assists your developers — not just your business users.

Identify

ATC + Custom Code Migration App + UPL/SCMON for unused code

›

Analyze

Joule explains legacy code. Interprets ATC findings.

›

Adapt

Joule generates code proposals. Developer reviews.

Stay on-stack (ABAP Cloud)

Move to SAP BAIP

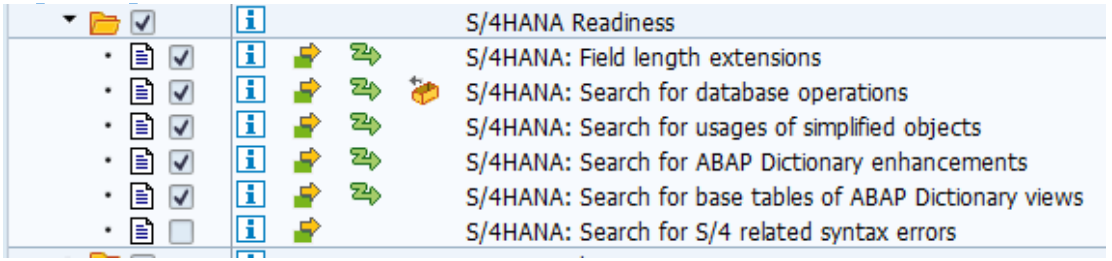
Decommission

ABAP Test Cockpit
SAP S/4HANA Readiness Checks

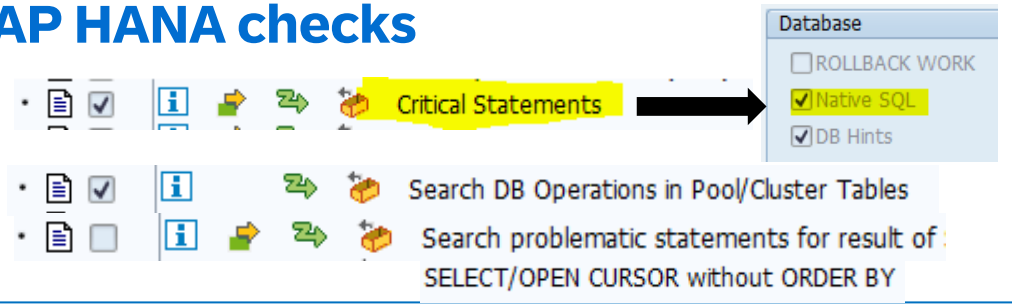
Conversion only

- Simplification use cases
  - Functionality not available anymore
  - Data model changes
  - Data type changes
- SAP HANA use cases
  - Use of DB vendor specifics (native SQL)
  - DB operations on pool/cluster tables
  - SELECT/OPEN CURSOR statements without ORDER BY
- Use check variant S4HANA_READINESS_REMOTE

SAP S/4HANA



SAP HANA checks



S4HANA_READINESS_REMOTE includes **SAP S/4HANA** and **SAP HANA** checks

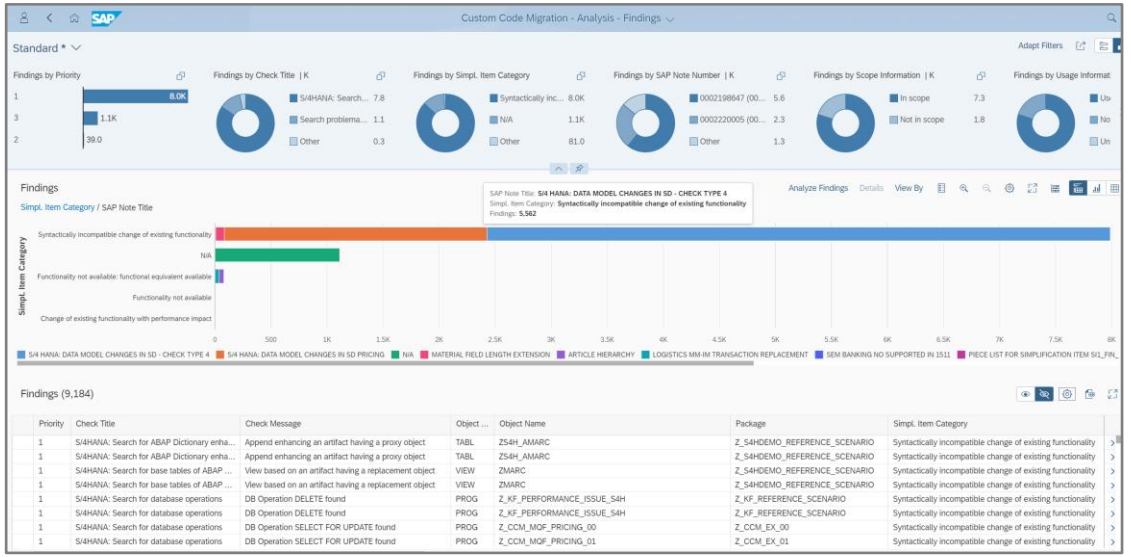
Custom Code Handling
Fiori Custom Code Migration App

Prepare | Explore | Realize | Deploy | Run

Conversion only

- Use predefined filters
  - Findings by SAP Note: In which SAP S/4HANA simplification areas do you get the most findings?
  - Findings by scope: How many findings are in the custom code you take over to SAP S/4HANA?
  - Findings by priority: What are the most important (urgent) findings?
  - Findings by quick-fix availability: Which findings can be fixed automatically?
- Aggregation and filtering of findings
- Focus on used custom code
- Drill down to ATC results
- Navigation to affected custom code
- More details in this blog

Analysis in SAP Fiori Custom Code Migration app



Extensibility
Performance Tuning Analysis in ABAP

- SQL Monitor allows getting performance data for all SQL queries executed in your production system
- What are the most expensive and most frequently executed SQL queries?
- Which SQL query reads/writes millions of records?
- What is the SQL query profile of transaction VA01?
- SQL Monitor allows to link the monitored SQL statement to the driving transaction
- Available for SAP NetWeaver >= 7.00
- SQL Monitor does not harm your business processes (performance overhead <3%)
- Additional tools like transaction STAD can also be very useful for analyzing workload statistics (more details about STAD and other useful tools in this blog)

Request Entry Point	DB statements	DB Max T	DB Min T	DB Dvtn T	Max Rcrds
/IWBEP/SB	6.968	3.541.8...	1,000	303,972	100.000
/IWFND/MAINT_SERVICE	3.114	63.841,...	0,000	44,516	38.344
BOBX	3.348	328.106...	0,003	212,253	15.441
BP	10.143	1.801.4...	0,000	1.359,184	86.749
LTMOM	2.521	38.252,...	0,412	25,140	274.006
MM01	6.082	1.800.0...	0,002	1.060,292	409.950
MWB	6.027	366.905...	0,000	118,044	274.127
OS_APPLICATION	7.674	103.838...	0,000	108,758	89.057
SACC2	982	24.122,...	0,218	26,210	380.232
SCWB	7.389	1.349.7...	0,000	597,504	117.354
SE01	5.168	372.356...	0,003	309,018	497.853
SE09	6.903	3.636.7...	0,000	833,215	360.629
SE11	20.752	3.616.9...	0,000	814,769	4.709.072
SE18	7.803	982.535...	0,005	412,379	42.695
SE19	5.689	256.192...	0,009	185,794	50.344
SE24	15.820	3.623.5...	0,000	819,320	199.983
SE37	12.194	362.198...	0,002	227,158	71.882
SE38	15.332	1.875.3...	0,000	767,321	1.114.076
SE54	10.000	56.620,...	0,002	53,512	97.509
SESSION_MANAGER	2.155	3.644.6...	0,000	2.367,225	42.399
SEU_INT	34.526	3.627.8...	0,000	703,336	9.867.019
SFW5	833	7.674,482	0,178	9,091	3.177
SM30	21.616	387.754...	0,000	212,450	1.977.959
SM34	16.872	89.307,...	0,000	64,274	97.500
SPRO	29.208	377.131...	0,002	184,303	558.727
SU22	3.042	443.424...	0,003	154,133	122.463

Find out more about SQL Monitor guide and best practices in SAP Community

Realize Phase – Perform the actual Conversion or Greenfield Implementation

"What should I not forget during the actual implementation or conversion?"

Security
Authorization Adjustments

Prepare | Explore | Realize | Deploy | Run

Conversion only



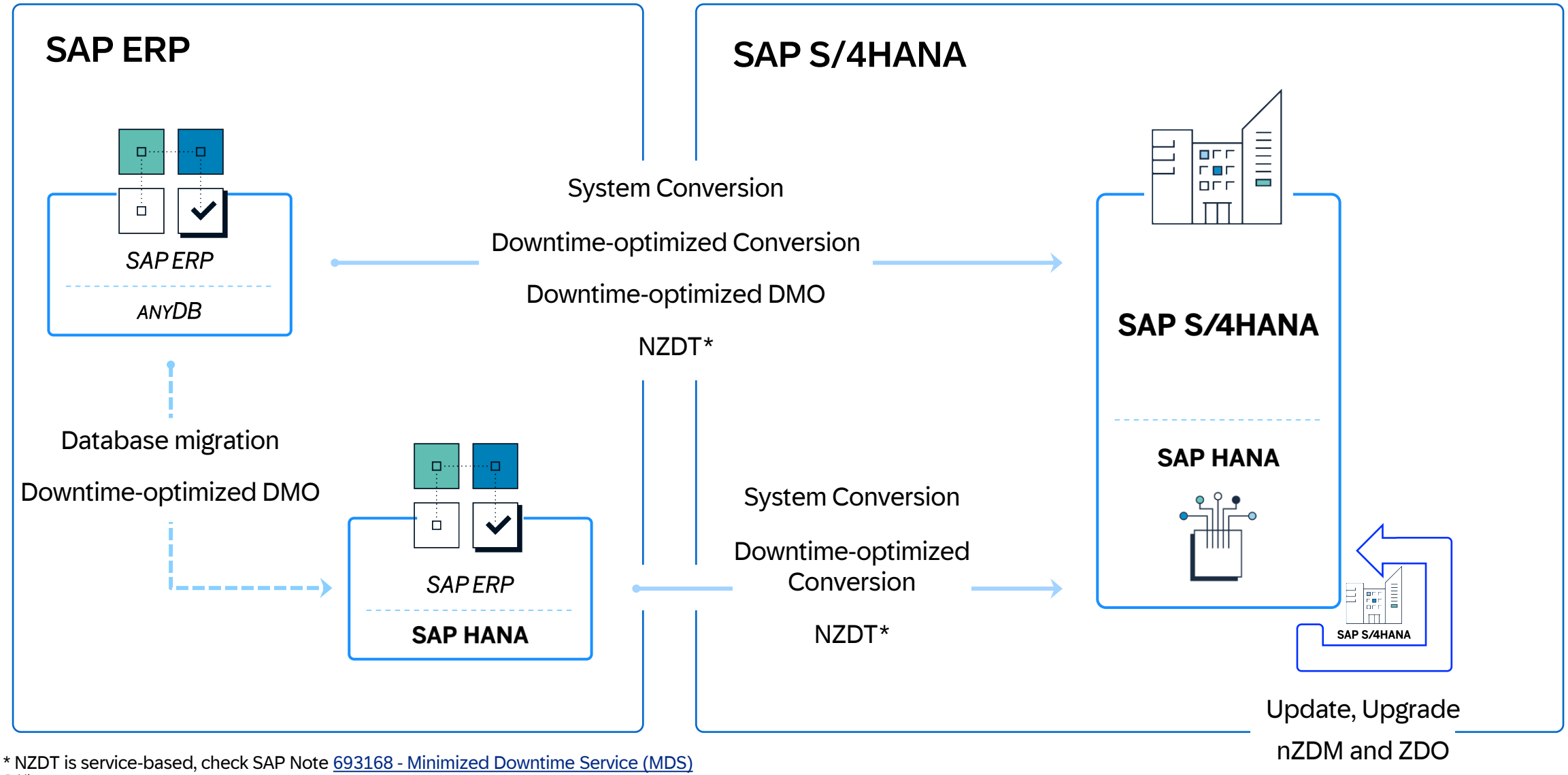
- After the conversion, there are necessary changes related to authorizations:
  - Deprecated transactions
  - New and changed authorization objects
  - Changes in behavior of non-mandatory fields

- Review the status of the authorizations definitions in transaction SU25 in the ERP source system. Repair all inconsistent data.
- Apply correction notes for transaction SU25 according to SAP_BASIS component level listed in SAP Note 440231
- Execute all post-processing settings after the conversion and verify and adjust all roles and assignments
- Additional checks on custom roles may be required due to functional changes such as:
  - Supplier invoice changes in authorization concept, see SAP Note SAP Note 2271189

Downtime Optimization
Possible Approaches

Prepare | Explore | Realize | Deploy | Run

Conversion only



* NZDT is service-based, check SAP Note 693168 - Minimized Downtime Service (MDS)

Downtime Optimization
Determine Conversion Approach

Prepare | Explore | **Realize** | Deploy | Run

Conversion only

Approach	Abbreviation	Scenario	Availability*	SAP Note
Near-Zero Downtime Maintenance	**nZDM**	Update/Upgrades & System Conversion	Unrestricted available	1678565
Downtime-optimized DB Migration Option (DMO)	**Uptime Migration**	DB Migration & System Conversion	Unrestricted available	2547309
Downtime-optimized Conversion		System Conversion to SAP S/4HANA	Available for educated experts (SAP Learning Journey)	Support Portal Page
Near Zero Downtime Technology	**NZDT**	Several	Offered as a chargeable service by SAP	693168

*Tools Overview on Support Portal with Availability and Notes

Downtime Optimization
Technical Downtime Optimization App

Prepare | Explore | **Realize** | Deploy | Run

Conversion only

The Technical Downtime Optimization (TDO) App offers clear and comprehensive insights into the runtimes and optimization potentials of maintenance events like updates, upgrades and system conversions to SAP S/4HANA.
Link to the App: https://tdo.cloud.sap/

Benefits of Technical Downtime Optimization App:

- **Easy-to-consume analytics**
- **Tailored advice and simulations**
- **Cutover plan template**
- **No additional costs**

Capabilities of Technical Downtime Optimization App:

Understand the event

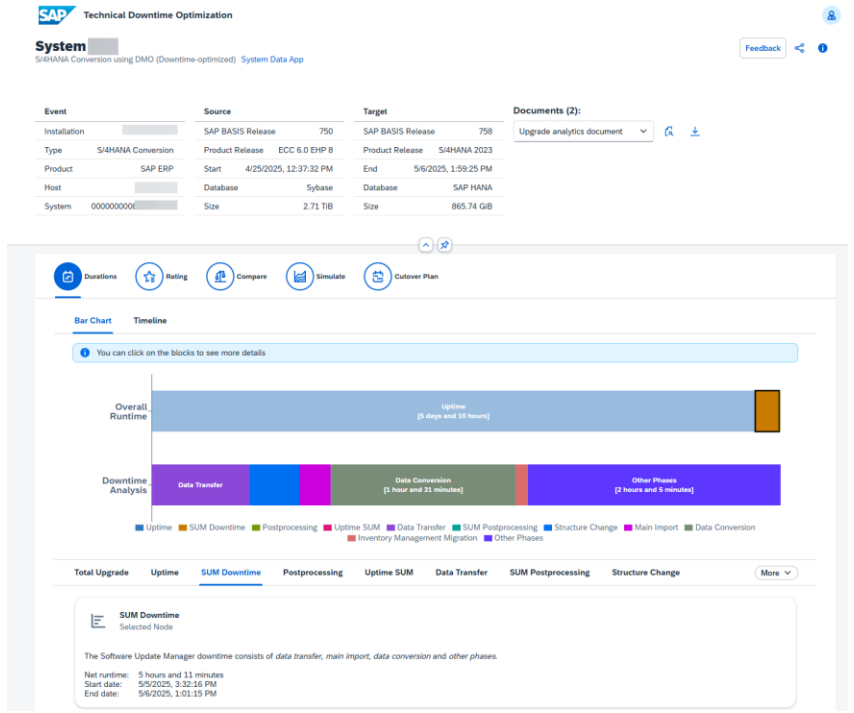
Understand the runtime of the maintenance event based on clear graphical visualization. Get insights with benchmarks of comparable runs.

Explore improvements

Benefit from statistical evaluations and expert knowledge combined with best practices to improve your maintenance event.

Simulate and plan the event

Simulate different means of downtime improvement like data reduction and downtime optimization options of Software Update Manager. Plan the event with an modifiable cutover plan template.



SAP Notes:
2881515 - Introduction to the Technical Downtime Optimization App
3036423 - Frequently Asked Questions about Technical Downtime Optimization App

SAP Community Blog:
Simply analyzing and improving maintenance events with Technical Downtime Optimization App

Enterprise Support
Continuous Quality Checks

Prepare | Explore | **Realize** | Deploy | Run

Three CQC services are available at no extra cost — and they are consistently underused.

FREE

CQC for Transformation Assessment

Run at end of Prepare and end of Realize. Covers technical readiness and project risks.

FREE

CQC for Private Cloud Go-Live

Request ~8 weeks before cutover. Covers software, hardware, database, performance.

FREE

CQC for Security Optimization

Available at any milestone. Reviews security posture and configuration.

Available through ESCE subscription. Request via a support case.

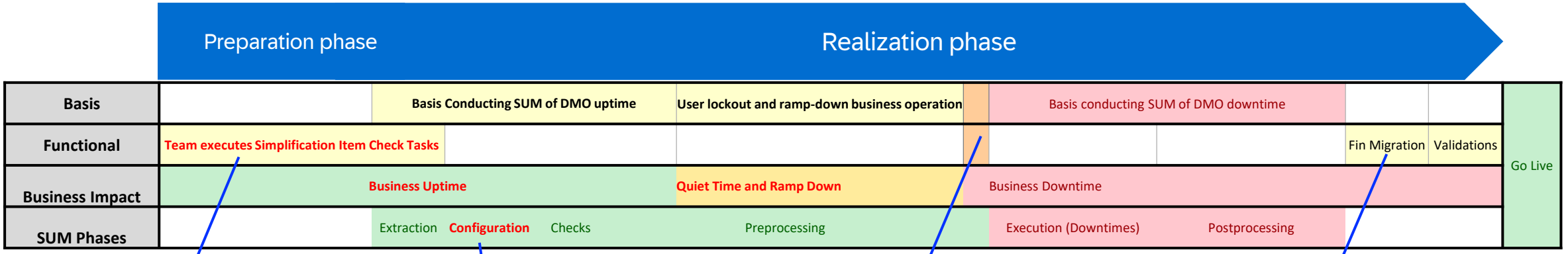
Deploy Phase – Cutover Preparations

"What activities must not be forgotten during cutover?"

Finance Activities
Analysis Before Golive

Prepare | Explore | Realize | **Deploy** | Run

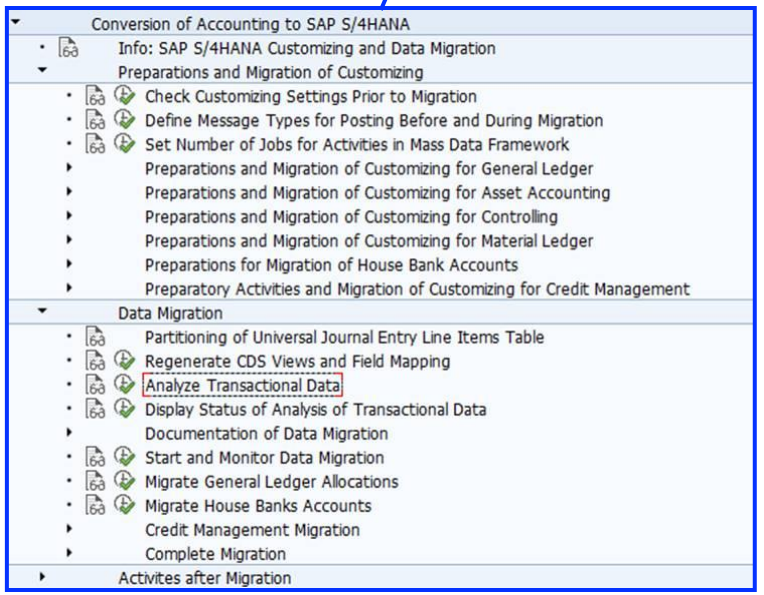
Conversion only



This is where the customer will execute the Simplification Item Checks:
- **/SDF/RC_START_CHECK**
- **RASFIN_MIGR_PRECHECKS**
- FINS_MIG_PRECHECK_CUST_SETTNGS

During the Configuration roadmap step in SUM tool executes the program /SDF/RC_START_CHECK and ensures all errors are resolved before it will continue

CVI Sync
Fin period lock
Run FIN consistency checks of transactional data and totals



Public

Cutover Preparation
Considerations

- SQL Monitor allows getting performance data for all SQL queries executed in your production system
- What are the most expensive and most frequently executed SQL queries?
- The plan should be based on previous migrations that the client has already performed
- Simulate cutover activities to finally document sequences and estimated times
- Verify steps, tasks and times with the business
- Highlights on the technical checklist:
  - Verify the activation of the Embedded Analytics queries and CDS views
  - Verify that the operational team is ready to receive support requests
  - Ensure that security roles (including Fiori) are appropriately assigned and tested.

Performance
Other Resources

- Review SAP Note 2689405 - FAQ: SAP S/4HANA Performance Best Practices - Collective Note - SAP for Me
- Check SAP Note 1969700 - SQL Statement Collection for SAP HANA
- Consider running and analyzing SAP HANA configuration minichecks, see SAP Note 3284834 - SQL Statement Collection: "HANA_Configuration_Minichecks" report for SAP HANA
- Make use of SAP HANA Troubleshooting and Performance Analysis Guide
- Consider utilizing Dynamic Cache for CDS View performance optimization in S/4HANA | SAP Blogs

Run Phase – Run the System and Operations Smoothly

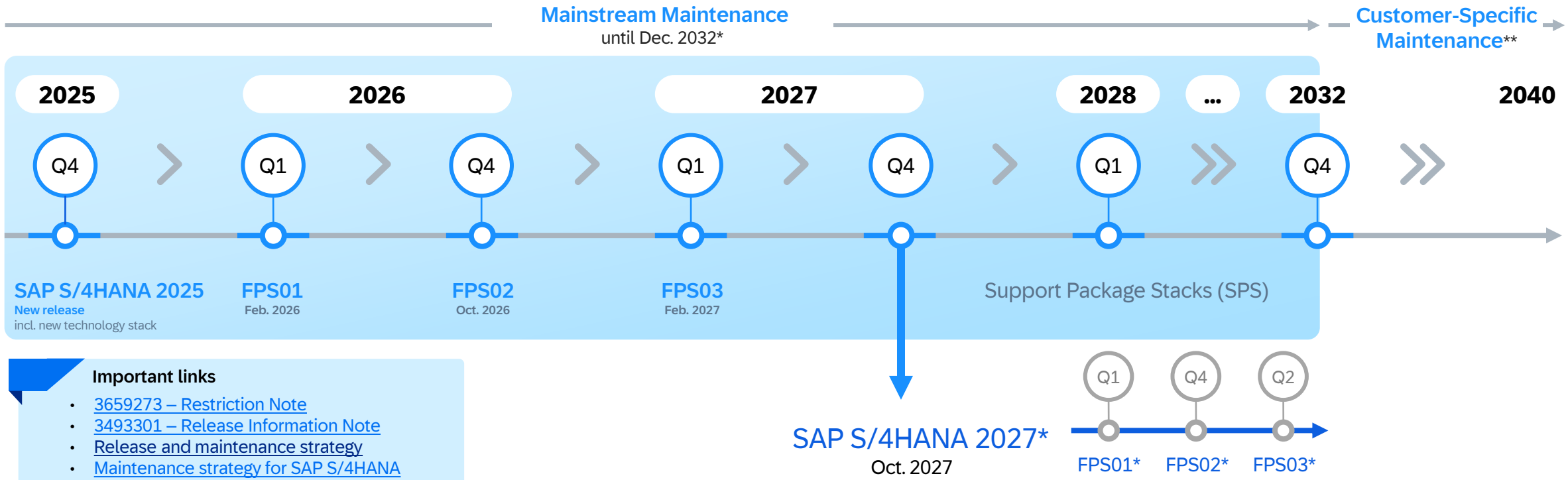
“How can I improve my system and keep it up-to-date?”

Release strategy for
SAP S/4HANA Cloud Private Edition and SAP S/4HANA

Prepare | Explore | Realize | Deploy | Run

Executive Summary

1. SAP S/4HANA 2025 released for SAP S/4HANA Cloud Private Edition and SAP S/4HANA OP on October 8th, 2025
2. 2 years innovation via 3 Feature Package Stacks (FPS)
3. 7 years of mainstream maintenance (until Dec 2032 for SAP S/4HANA 2025)
4. SAP S/4HANA 2027 planned for Oct. 2027
5. SAP will continue to support SAP S/4HANA until 2040**



Important links

- 3659273 – Restriction Note
- 3493301 – Release Information Note
- Release and maintenance strategy
- Maintenance strategy for SAP S/4HANA

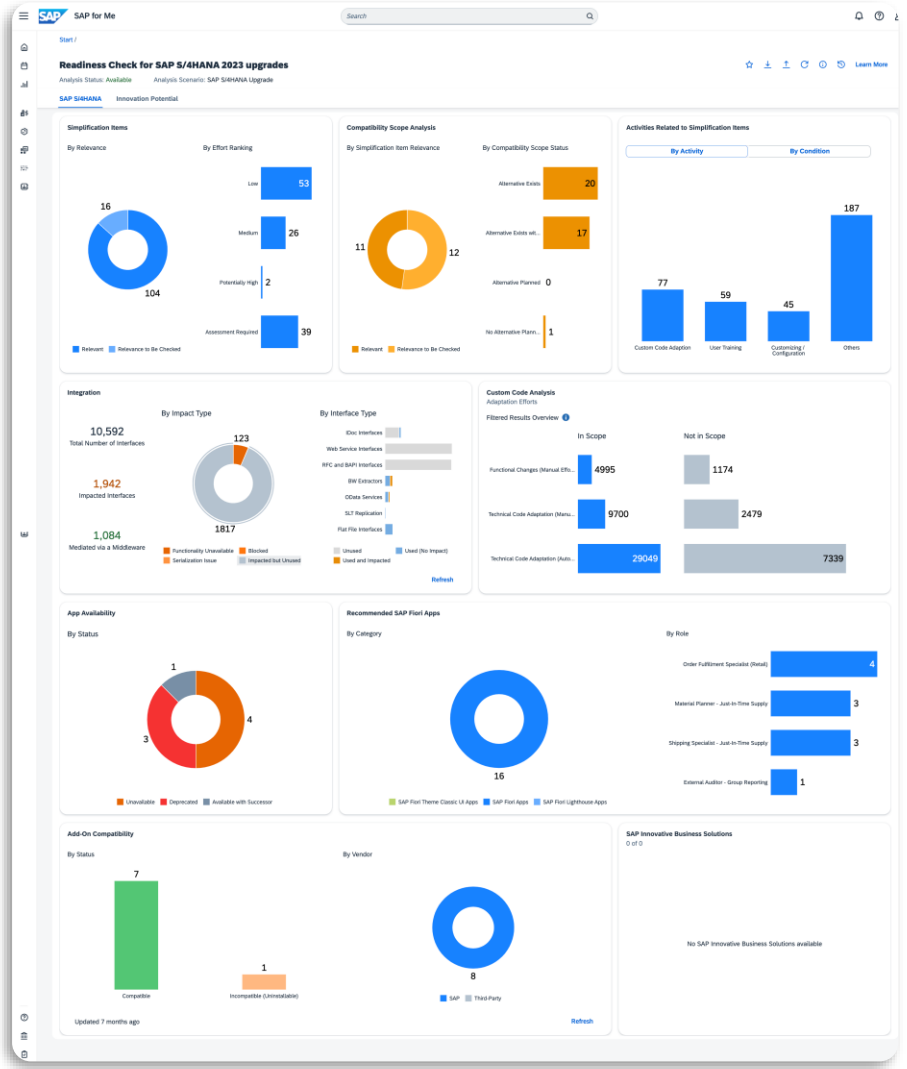
* This is the current state of planning and may be changed by SAP at any time without notice.

** Maintenance commitment is described in SAP Note 2900388.

SAP Readiness Check for
SAP S/4HANA Upgrades

Available Checks and Analyses

- Simplification Items
- Compatibility Scope Analysis
- Activities Related to Simplification Items
- Integration
- Custom Code Analysis
- App Availability
- Recommended SAP Fiori Apps
- SAP Innovative Business Solutions
- Add-On Compatibility
- Innovation Potential



SAP Help Portal: SAP Readiness Check
SAP Note 3059197

Key Takeaways

"What are the most important facts to remember?"

Key Takeaways

1. **Start Early — Assessment & Planning Baseline** Initiate Readiness Checks, Simplification Item analysis, and Add-On planning as early as possible to define your project baseline and prevent late surprises. Note: accurate planning is only possible after the first sandbox conversion.

2. **Clean Core, Custom Code & Extensibility** Adhere to Clean Core principles. Use the ABAP Test Cockpit to review and replace custom code with standard functionality. The extensibility model has evolved — plan for cloud-compatible and UX extension approaches.

3. **Data Migration & System Preparation** Data migration requires dedicated planning and time. Begin cleanup activities (e.g., CVI preparation) in the current ERP system as early as possible.

4. **Analytics, Fiori & Technical Architecture** SAP CDS, embedded analytics, and SAP Fiori (embedded FES recommended) extend the traditional ERP scope and require planning on both the business and technical side from the outset.

5. **Testing Strategy & Conversion Discipline** Plan at least 2–3 sandbox test conversions using a homogeneous production copy. Maintain a detailed run book, start unit and integration testing early, leverage SAP CAL for trial systems, and allocate sufficient time for authorization testing.

6. **Integration, Upgrades & Long-Term Fit** Review all SAP and non-SAP integration dependencies early. Plan for S/4HANA's regular upgrade cadence — staying current is a structural requirement, not a one-time activity.

Additional Information

“How can I learn more?”

Key learning assets from SAP S/4HANA RIG

Link to list of all published assets

Finance

Frequent Error Messages during Asset Accounting data migration to S/4HANA

System Conversion to SAP S/4HANA Cloud Private Edition - How to find finance inconsistencies

Readiness for Universal Parallel Accounting

General approach for Selective Data Transition projects in SAP S/4HANA – a Finance perspective

An Introduction to the Data Transition Validation Tool

Procure to Pay

SAP S/4HANA Procurement – Service Procurement – An Introduction

Considerations adopting SAP Fiori apps and innovations

Flexible Workflow for Sourcing and Procurement in SAP S/4HANA

SAP S/4HANA Procurement – Can I integrate SAP SRM with an SAP S/4HANA system and what do I need to do?

Order to Cash

Changes in Sales & Distribution (SD) in SAP S/4HANA vs ECC

Sales in SAP S/4HANA Cloud, Private Edition 2023

Advanced Intercompany Sales in SAP S/4HANA OP/Private Cloud

Comparison for SAP S/4HANA Basic Credit Management and Advanced Credit Management

Flexible Workflow in SAP S/4HANA Sales Scenarios

Plan to Product

Everything you need to know about MRP Areas in S/4HANA

Time-Dependent Stock Levels in SAP S/4HANA

Overview PP/DS on DSC Edition for S/4HANA with use case MMP & SEQ

SAP Extended Warehouse Management versus SAP S/4HANA Stock Room Management.

Main differences between SAP EWM embedded on SAP S/4HANA and Decentral SAP EWM on S/4HANA

Supply Protection of advanced ATP in SAP S/4HANA

SAP S/4HANA: Financial Planning with Commercial Project Management

HCM

SAP HCM for SAP S/4HANA 2025

Business Partner & CVI

CVI Cookbook

CVI Cockpit – Enabling Movement to SAP S/4HANA through seamless BP Synchronization

FAQ: CVI - Customer Vendor Integration for system conversion to S/4HANA

SAP S/4HANA Business Partner – CVI - Handling of old data which is not archived yet

New Employee Business Partner Data Model in SAP S/4HANA 2020 On-Premise

SAP S/4HANA Business Partner – Convert Employment Vendor to Business Partner for new Employee Model

Architecture & Operations

Upgrading SAP S/4HANA - How, Why, and Best Practices

Prepare your SAP S/4HANA System for an Upgrade

Whitepaper "The Case for Upgrades of SAP S/4HANA Cloud Private Edition"

Blog "SAP S/4HANA Compatibility Packs"

Fiori & UX

SAP Community Topic - SAP Fiori for SAP S/4HANA

SAP Fiori for SAP S/4HANA – Pro-tips for demonstrating SAP Fiori – Organizing your My Home page

SAP Fiori for SAP S/4HANA – Pro-tips for demonstrating SAP Fiori – Navigate with confidence

Simplifying My Home Activation from SAP S/4HANA 2023 FPS02 or higher

SAP Fiori for SAP S/4HANA – Adding a GUI transaction to the launchpad in SAP S/4HANA 2023 or higher

SAP Fiori for SAP S/4HANA – What is Key User Extensibility and Who are your Key Users

Analytics

Analytics in S/4HANA - real shape of embedded analytics and beyond embedded analytics

Analytics on Universal Journal, the heart of SAP S/4HANA

How to analyze query performance for ABAP CDS Views

SAP S/4HANA Data Management and Analytics empowered by SAP HANA Cloud

Further Information

[redacted]

Product Road Maps > Cross Topics > SAP S/4HANA
SAP Fiori Apps Library
SAP S/4HANA Online Help
SAP S/4HANA Best Practices
Maintenance Planner Access
Maintenance Planner User Guide
Roadmap viewer

[redacted]

SAP Learning "Guide Your SAP S/4HANA Project to Success"
SAP Learning "System conversion to SAP S/4HANA“
SAP Learning "Key Technical Topics in a System Conversion to SAP S/4HANA"
SAP Learning "Key Functional Topics in a System Conversion to SAP S/4HANA“
SAP Learning "Gain Experience with Business Partner for SAP S/4HANA Conversion“
SAP Learning "Gain Experience with a System Conversion to SAP S/4HANA“
SAP Learning "Gain Technical Knowledge on SAP S/4HANA Cloud Private Edition"
SAP S/4HANA Overview and Business Processes Learning Journey

Further information

[redacted]

SAP S/4HANA 2025 Release Information Note
SAP S/4HANA 2025 Feature Package Stack 02: Additional Release Information
SAP S/4HANA 2025 Restriction Note
SAP S/4HANA Compatible Add-ons

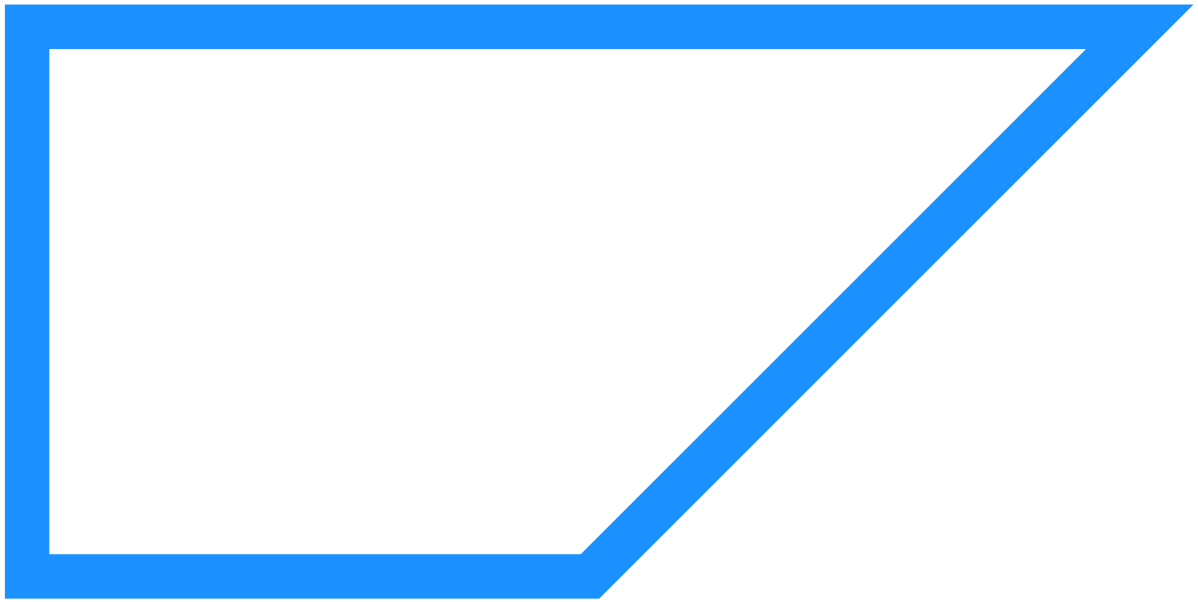
[redacted]

Predictive Analytics in SAP S/4HANA Blog
BW Extractors Note

[redacted]

Trial access in Cloud Appliance Library

Q&A





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