

Reading Sample

By 2025, all SAP customers should migrate to SAP S/4HANA. With this book, determine your individual requirements and start your migration project! The authors or this book will help you plan and prepare transition strategies. In this chapter, we'll explore the three most important migration scenarios.









Densborn, Finkbohner, Freudenberg, Mathäß, Wagner

Migrating to SAP S/4HANA

569 Pages, 2017, \$89.95 ISBN 978-1-4932-1448-8



www.sap-press.com/4247

Contents

			15 17
PA	RT I	Basic Principles	
1	SAP Ben	S/4HANA—Requirements and efits	25
1.1		Business Challenges	26
	1.1.1 1.1.2	Digitization of Business Processes Trends of the Digital Transformation	27 30
1.2	1.2.1	edge of SAP S/4HANASimplification of the Functionality	37 37
	1.2.1	Simplification of the Pata Structure	40
	1.2.3	Simplified User Interfaces	43
	1.2.4	Simplified Analyses	45
1.3	Busine	ess Functions in SAP S/4HANA	46
	1.3.1	Accounting	47
	1.3.2	Logistics	52
	1.3.3	Human Resources	57
	1.3.4	Procurement	64
	1.3.5	Marketing	68
2	SAP	S/4HANA versus the	
	Trad	litional SAP Business Suite	75
2.1	Comp	aring the Available Solutions: SAP S/4HANA and	
	-	gital Core	75
2.2		fication	79
	•		

Contents

2.3	The N	ew Data Model and the SAP HANA Database	81
	2.3.1	SAP HANA	83
	2.3.2	The Data Model	84
	2.3.3	Handling Existing Data	87
	2.3.4	Sizing	87
2.4	SAP Fi	ori User Interfaces	88
	2.4.1	Technological Changes	90
	2.4.2	Operating Concept	91
2.5	Interfa	aces	95
2.6	SAP S	4HANA Embedded Analytics	96
		•	
3	Clou	ıd, On-Premise, and Hybrid Scenarios	99
3.1	Overv	ious of Operating Models	100
5.⊥		iew of Operating Models	100
	3.1.1 3.1.2	On-Premise Operating Model	100
	3.1.2	Cloud Operating Model	100
		Hybrid Operating Model	103
3.2		AP S/4HANA Product Family	104
	3.2.1	SAP S/4HANA, On-Premise	105
	3.2.2	SAP S/4HANA Cloud	109
	3.2.3	SAP HANA Enterprise Cloud	113
3.3	Comp	aring the Operating Models	115
	3.3.1	Hardware, Software, Operation, and Maintenance	115
	3.3.2	User Interfaces	117
	3.3.3	Functional Scope and Supported Country Versions	118
	3.3.4	Options for Enhancement	120
	3.3.5	Payment Model and Runtime	120
	3.3.6	Model for Migration to SAP S/4HANA	121
3.4	Extens	sibility in SAP S/4HANA	122
	3.4.1	Side-by-Side Enhancements	124
	3.4.2	In-App Enhancements	126
	3.4.3	Checking Custom Enhancements When Migrating	
		to SAP S/4HANA	132

4	Prep	paring the Migration to SAP S/4HANA	133
4.1	Basic (Considerations	133
4.2	The Th	nree Migration Scenarios	139
T. <u>L</u>	4.2.1	New Implementation of SAP S/4HANA	140
	4.2.2	System Conversion to SAP S/4HANA	146
	4.2.3	Landscape Transformation with SAP S/4HANA	153
_	CAD	A chicago	
5	SAP	Activate	157
5.1	SADA	ctivate Content	158
··-	5.1.1	SAP Best Practices	160
	5.1.2	Guided Configuration	165
	5.1.3	SAP Activate Methodology	173
5.2		ctivate Phases	174
6	Trial	Systems and Model Company	179
	T-i-LC	waters in the CAD Cloud Appliance Library.	170
5.1		ystem in the SAP Cloud Appliance Library	179
5.2	SAP S/	4HANA Fully-Activated Appliance	182
5.3	Solution	on Scope of the Model System	185
5.4	Enterp	orise Structure of the Model Company	188
	_		
PAF	RT II	Migrating to SAP S/4HANA in the Clou	ıd
7	Mig	rating to the Public Cloud	193
7.1	Settin	g Up SAP S/4HANA Cloud	193
	7.1.1	Discover Phase: Configuring the SAP S/4HANA Cloud	
		Trial System	194
	7.1.2	Explore Phase: Configuring the SAP S/4HANA Cloud	
		Starter System	195

Contents

	7.1.3	Realize Phase: Configuring the SAP S/4HANA Cloud	
		Quality Assurance System	20
	7.1.4	Deploy Phase: Configuring the SAP S/4HANA Cloud	
		Production Systems	20
7.2	Config	guring SAP S/4HANA Cloud	21
7.3	Migra	ting Data to SAP S/4HANA Cloud	21
	7.3.1	Available Migration Objects	21
	7.3.2	Data Migration Using the SAP S/4HANA Migration	
		Cockpit	21
8	Inte	grating SAP S/4HANA Cloud into the	
		em Landscape	24
8.1	Integr	ation with SAP Ariba Solutions	24
	8.1.1	Integration Scenarios in Procurement and Accounts	
		Payable	24
	8.1.2	License Prerequisites and Provision of SAP Ariba System	
		Accesses	24
	8.1.3	Executing an Integration Project with SAP Activate	24
	8.1.4	Integration Settings in SAP S/4HANA Cloud	25
	8.1.5	Configuration in SAP Ariba	26
	8.1.6	Testing the Integrated Business Processes and Going	
		Live	27
	8.1.7	Outlook	27
8.2	Integr	ation with SAP SuccessFactors	27
	8.2.1	Configuration in SAP S/4HANA Cloud	27
	8.2.2	Configuration in SAP Cloud Platform Integration	28
	8.2.3	Configuration in SAP SuccessFactors Employee Central	28
8.3	Integr	ation with SAP Hybris Marketing Cloud	28
	8.3.1	SAP Hybris Marketing Cloud Data Model	28
	8.3.2	Integration with SAP ERP Systems	29
	8.3.3	Importing Data from External Systems	29
	8.3.4	Importing Data from Social Media	30
	8.3.5	Integration of SAP Hybris Cloud for Customer Systems	30

PART III Migrating to SAP S/4HANA On-Premise

9	Installing and Configuring SAP S/4HANA			
	On-F	Premise or in the Private Cloud	311	
9.1	Installa	ation	313	
9.2	System	Configuration	318	
9.3		g Up the Frontend Server for SAP Fiori User Interfaces	322	
	9.3.1 9.3.2	On-Premise Installation of the Frontend ServerSAP Fiori Cloud	324 325	
10	Syste	em Conversion	329	
10.1	Overvi	ew of the System Conversion Project	329	
	10.1.1	System Conversion Process	332	
	10.1.2	System Group Conversion	334	
10.2	Conve	ting Single Systems	337	
	10.2.1	System Requirements	338	
	10.2.2	Simplification List	340	
	10.2.3	Maintenance Planner	344	
	10.2.4	Prechecks	346	
	10.2.5	Adapting Custom Developments	348	
	10.2.6	Database Sizing for SAP S/4HANA	362	
	10.2.7	Using Software Update Manager	363	
	10.2.8	Migrating to SAP Fiori User Interfaces	370	
11	New	Implementation of Single Systems	377	
11.1	Data M	Nigration Phases	378	
	11.1.1	Data Analysis	380	
	11.1.2	Mapping	382	
	11.1.3	Implementation	383	

	11.1.4	Testing	38
	11.1.5	Data Validation	38
	11.1.6	Data Cleansing	38
	11.1.7	Productive Load and Support	38
11.2	Suppor	ted Migration Objects	38
11.3	Rapid D	ata Migration	39
	11.3.1	Tools	39
	11.3.2	Architecture	39
	11.3.3	Migration Content	39
	11.3.4	Connecting to Source Systems	40
	11.3.5	Data Profiling	40
	11.3.6	Field Mapping	41
	11.3.7	Value Mapping and Conversion Tables	41
	11.3.8	Data Validation	42
	11.3.9	Importing Data	43
	11.3.10	Monitoring	43
	11.3.11	Optimizing IDoc Performance	43
11.4	SAP S/4	HANA Migration Cockpit	43
11.5	SAP S/4	HANA Migration Object Modeler	44
	11.5.1	Edit Source Structures	44
	11.5.2	Display Target Structures	44
	11.5.3	Display Structure Mapping	44
	11.5.4	Edit Field Mapping	45
	11.5.5	Technical Functions	45
	11.5.6	Advanced Activities	45
11.6	Compa	rison of Migration Tools	45
12	Land	scape Transformation	45
12.1	The Thr	ee Transformation Scenarios	45
12.2	Carryin	g Out a Transformation Project	45
	12.2.1	Preanalysis and Planning	46
	12.2.2	Blueprint and Project Team	46
	12.2.3	Test Runs	46

	12.2.4 12.2.5	Production Conversion Support after Go-Live	466 467
12.3	System	Consolidation	467
12.4	Compa	ny Code Transfer	476
12.5	Transfor 12.5.1 12.5.2 12.5.3 12.5.4	Implementing SAP S/4HANA Central Finance	482 483 487 493 498
13	•	grating SAP S/4HANA, On-Premise, the System Landscape	503
13.1	Integra	ition with SAP Ariba Solutions	503
13.1	13.1.1	Integrated Business Processes with SAP Ariba Solutions and SAP S/4HANA	503
	13.1.2	Technical Integration of SAP S/4HANA with SAP Ariba	506
13.2	13.2.1 13.2.2 13.2.3 13.2.4	ALE Integration with SAP ERP HCM and SAP SuccessFactors	509 510 511 513 519 521
PAR	RT IV Selec	Assessing the Transformation Scenar	ios 527
14.1	.		F27
14.1		ew of Procedures and Input Helps	527
14.2		ng Your Own Roadmap	530
	14.2.1	Initial Scenario: Single System	534

	14.2.2	Initial Scenario: Decentralized System Landscape	539
	14.2.3	Sample Roadmaps	542
14.3	The Mo	ost Important Criteria for Your Decision	546
14.4	Conclu	sion	549
The A	uthors		551
Index			555

Chapter 4

Preparing the Migration to SAP S/4HANA

This chapter introduces the three migration scenarios covered in this book.

Which steps should you consider when planning your migration project to SAP S/4HANA? How does SAP support you? Can the migration be compared to an upgrade within the SAP ERP product family? This chapter answers these questions. Furthermore, we'll introduce three possible migration scenarios: a new implementation, a system conversion, and a landscape transformation. The last chapter of the book, Chapter 14, then looks back at these scenarios and summarizes their advantages and disadvantages under different conditions.

4.1 Basic Considerations

Migrating to SAP S/4HANA offers many benefits, but to ensure a smooth migration, you must be aware of your specific reasons for migrating. Consequently, you should not plan to migrate to SAP S/4HANA as an update or upgrade of an already implemented solution. The functional and business scope of SAP ERP and SAP S/4HANA are similar, but this migration will introduce a new digital core to your enterprise that ensures future competitiveness.

You should (at least) answer the following questions, which will be discussed in more detail later on in this section:

- What needs to be taken into account?

Upgrade or product implementation?

■ Which target status do you want to achieve?

What position is SAP S/4HANA supposed to take in your system landscape? Do you want to execute a proof of concept, or do you want to use SAP S/4HANA immediately in production? Can you use the migration as

an opportunity to optimize how your processes are mapped in the enterprise software?

■ Which operating model suits you?

Do you want to run SAP S/4HANA at your own data center or through a hosting service? Or, do you want to use SAP S/4HANA as a software-as-aservice model?

■ What is the initial situation?

What is the current product version of your source system? What is the quality of the data in your source system? How strictly do you leverage the SAP Standard, and how many custom enhancements exist? Do you want to use a system as a template?

■ Which users do exist?

How many users exist, and how are they distributed? Which user groups are expected to benefit from the implementation of SAP S/4HANA?

■ How is the solution to be used?

Which business scenarios and transactions are to be used? How are these requirements distributed across your users?

■ What is your defined time frame?

Within what period of time is the project supposed to be completed? Which milestones need to be reached and when?

■ Do you need support?

What kind of support do you need? What is your budget? Which services do you expect to purchase and which services can be provided in-house?

Preparing for the coming decades

The more aware you are of the significance of SAP's digital core, the more added value SAP S/4HANA can usually generate: The basic concept of SAP S/4HANA is its pledge to prepare enterprises for the challenges of the coming decades. Restricting yourself to a purely technical update of existing systems and landscapes would be an inadequate simplification. You should analyze whether your processes have grown as well as whether your system landscape will be sustainable in the future or whether its structure is obsolete and should thus be adjusted.

Technical and process-oriented parts

Thus, when migrating to SAP S/4HANA, you'll have to consider at least two parts of the implementation: the purely technical part and the process-oriented part (see Figure 4.1).

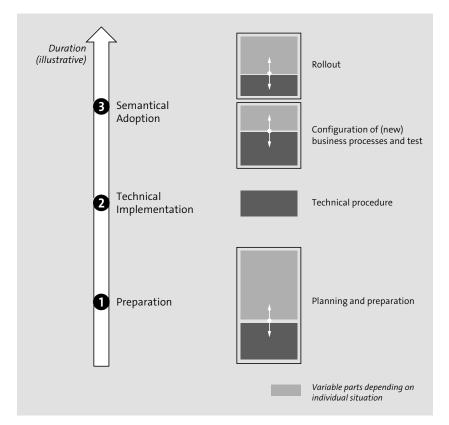


Figure 4.1 The Main Parts Migrating to SAP S/4HANA

■ Technical implementation

The technical implementation of a migration mainly includes migrating the database to SAP HANA, replacing the program code, adapting data models to the SAP S/4HANA data model, and implementing the frontend server for SAP Fiori interfaces. Your existing custom code might also have to be technically adapted.

These activities generally do not depend on the scope of subsequent use in production and can easily be implemented using the relevant tools and can therefore be technically controlled and supported. Thus, SAP provides a comprehensive portfolio of tools for planning and carrying out this technical implementation.

■ Process-oriented implementation

The process-oriented implementation of a migration refers to adapting how existing business processes are mapped in the system and to introducing new applications. These modifications to business processes are only partially carried out in the system itself. In most cases, you can only enter indicators, such as changed configuration information. Regarding planning, however, you'll have to perform far more comprehensive change management steps. These steps include, for example, designing your new changed business process, configuring necessary measures, training users, assigning roles and authorizations, pilot operation, and converting the production system.

Tasks in the individual phases

The following tasks can be assigned to these outlined phases:

- Preparation (preparatory steps in the source system):
 - Analysis of existing business process implementation; comparison with SAP S/4HANA innovations
 - Identification of the necessary integration scenarios
 - Prechecks in the source system, for example:
 - Functions used
 - Industry-specific enhancements
 - Custom code
 - Third-party enhancements
 - Implementation of necessary preparatory conversions in the source system
- **2** Technical implementation:
 - Installation of SAP S/4HANA
 - SAP HANA database
 - SAP S/4HANA applications
 - Adaptation of the technical infrastructure
 - Customizing
- **3** Process adaptation:
 - Adaptation of custom programs in SAP S/4HANA
 - Development of new or enhanced business processes to leverage the innovations in SAP S/4HANA

- Adaptation of integration scenarios
- Customization of SAP Fiori interfaces

The time and effort required for the process-oriented implementation—depending on the initial situation and target status—can account for either a small or a large part of the overall process. Thus, we recommend dividing the migration project into the three phases we just described because the process-oriented implementation, in particular the implementation of new business processes, does not have to be carried out in parallel to the technical migration.

Process Migration and Technical Migration as Separate Steps

[**o**]

In general, you can plan the introduction or migration of your business processes independently from the technical migration.

Figure 4.2 shows one possible approach for introducing SAP S/4HANA to your enterprise: In the project, you prepare and implement new functions in batches, while the users continue to use the existing functions.

Parallel project phases

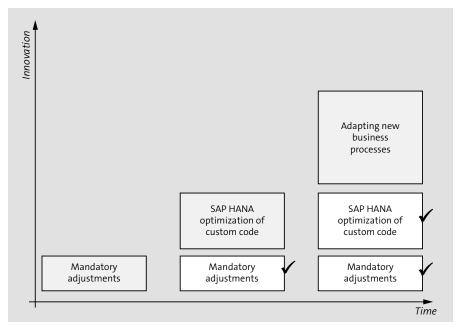


Figure 4.2 Parallel Preparation and Implementation of New Functions

A prerequisite for optimal project planning is knowing the desired target state. While this prerequisite might sound rather trivial at first, SAP S/4HANA migration projects often fail to describe the goal of the migration in detail and rely on vague statements like "implementation of SAP S/4HANA."

Analyzing the trade-off at an early stage

Migrating to SAP S/4HANA has a general trade-off that you should be aware of, in particular if your initial state includes an SAP ERP system or SAP land-scape: The more properties of the source system you decide to keep unchanged (e.g., configuration, custom code, or applications), the simpler the (technical part) of the migration project. However, the benefit that can be derived from SAP S/4HANA in this case might also be reduced because the major benefits from SAP S/4HANA are optimized business processes, simplified user interfaces, and greater flexibility for future requirements.

Therefore, you should always analyze this trade-off. Possible analysis criteria include the following:

■ Type of usage

Is the target system used for production, or do you want to execute a proof of concept first? In the latter case, you should carry out a greenfield implementation with selective data transfers.

■ Total cost of ownership

SAP S/4HANA enables you to reduce the total cost of ownership (TCO). Examples include a reduced *data footprint*, that is, the storage space for application data in the database is reduced (see Section 4.2.2). Another dimension are reduced requirements for your internal IT department because local SAP GUI installations at employee workstations can be avoided. If your explicit goal for the migration is to lower the TCO, you should also analyze where custom enhancements can be omitted or replaced by SAP S/4HANA applications. Furthermore, you should examine the extent to which multiple existing ERP systems can be merged into one SAP S/4HANA system. In addition to the reduced TCO, users benefit from access to real-time data from the systems that were previously separated.

Operating model

Is SAP S/4HANA to be operated in the cloud or on-premise? The two operating models have different characteristics that need to be analyzed. In simple terms, outsourcing the system administration to the cloud is attractive, especially for standard business processes.

■ Target landscape

How is the entire landscape supposed to change? Are systems to be consolidated? Are systems to be separated (e.g., financial accounting and material requirements planning)? How is the existing architecture to be adjusted?

Remember that you usually also have to set up and configure the frontend servers for SAP Fiori, which are required for the new SAP S/4HANA functions.

SAP recommends a methodology with six phases for project planning and implementation: *discover, prepare, explore, realize, deploy,* and *run*. This methodology is called *SAP Activate,* which we'll describe in detail in Chapter 5.

SAP implementation methodology

When referring to migration activities in this book, we assume that you have already opted for SAP S/4HANA. We'll assume the discovery phase—during which enterprise priorities are identified, the target architecture is defined, the business case is optimized, and a readiness check is carried out—has already been successfully completed. Our focus is on the technical implementation of the migration and less on process-oriented implementation. We assume that you have selected and defined the characteristics of the business process scope in a separate business implementation project.

Preparation with Trial Access

If you have not completed the discovery phase yet, you should test an SAP S/4HANA system. For this purpose, SAP provides trial access to a cloud instance of SAP S/4HANA that is only valid for a limited time. For more information on these trial systems, see Chapter 6.

4.2 The Three Migration Scenarios

SAP has defined several technical scenarios for the introduction of SAP S/4HANA and also provides the corresponding tools. When planning the migration, you should select the scenario that meets your individual requirements best. The following sections introduce the individual scenarios and describe the advantages and disadvantages of each approach.

[((

Part III then discusses the different scenarios in detail. Three basic scenarios for the migration to SAP S/4HANA exist (see Figure 4.3):

- New implementation of SAP S/4HANA
- System conversion to SAP S/4HANA
- Landscape transformation with SAP S/4HANA

The landscape transformation also includes the steps of the first two scenarios and complements them to further benefit from SAP S/4HANA.

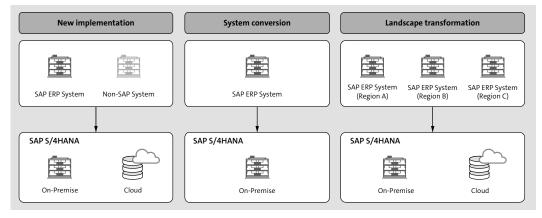


Figure 4.3 The Three Scenarios for the Migration to SAP S/4HANA

Except for the system conversion, all three scenarios allow you to choose whether you want to implement SAP S/4HANA as a software as a service (SaaS) in the cloud or as an on-premise implementation (see Chapter 3, Section 3.1).

4.2.1 New Implementation of SAP S/4HANA

Installing a new system

From the technical perspective, this scenario is based on a completely new installation of SAP S/4HANA. In this scenario, we'll use the Software Provisioning Manager (SWPM) to download and set up an SAP S/4HANA system from the available SAP installation media, creating a new system with a new System Identification (SID). In addition to this ABAP instance, a frontend server is also installed, which will be the central hub for operating the SAP Fiori user interface.

At first, the new system is delivered with a standard configuration. You'll **Customizing** then have to adapt the configuration to meet the requirements of the business processes you want to implement.

The new system can be fed data from a source system, using the SAP S/4HANA Data migration migration cockpit, a tool that has been developed for SAP S/4HANA. Whether the data is from an SAP system or from a non-SAP system does not matter. When the data has been transferred, you can replace the source system with the SAP S/4HANA system (see Figure 4.4).

SAP S/4HANA SAP S/4HANA On-Premise Data migration via data load SAP Business Suite (SAP GUI)/SAP Fiori SAP S/4HANA Core Non-SAP System SAP HANA

Figure 4.4 New Implementation of SAP S/4HANA

SAP provides predefined models for the data transfer, so-called *migration* objects. These objects regularly get updated or new objects added with new SAP S/4HANA versions. Table 4.1 lists which migration objects are supported at the time of this writing (SAP S/4HANA Cloud 1611 and SAP S/4HANA 1610, on-premise).

For more details on using migration objects, see Chapter 7, Section 7.3.1, (for cloud editions) and Chapter 11, Section 11.2 (for on-premise editions).

Supported Migration Objects When Using the Migration Cockpit			
Activity Price	Exchange Rate	Bill of Materials (BOM)	
Internal Order	Inventory Balances	Work Center	
Profit Center	Material Master	Routing	

Table 4.1 Supported Migration Objects for Data Migration Using the SAP S/4HANA Migration Cockpit

migration objects

Supported Migration Objects When Using the Migration Cockpit				
Bank Master	Material – Long text	Equipment		
Customer	Purchasing Info Record	Maintenance Task List		
Supplier	Purchase Order	Functional Location		
Accounts Receivable (Customer) Open Item	Pricing Condition	Characteristic		
Accounts Payable (Vendor) Open Item	Contracts (Purchasing)	Class		
Fixed Assets incl. Balances	Source List	Commercial Project Management (CPM)		

Table 4.1 Supported Migration Objects for Data Migration Using the SAP S/4HANA Migration Cockpit (Cont.)

Default data fields, the format, and—if available—relationships or references to other business objects are defined for each of the business objects in migration objects.

Following the simplification concept, only the most important data fields of each object are already activated in this predefined content. If needed, you can optionally display additional fields, if available in the SAP Standard. Custom fields (in custom namespaces) can also be supplemented. For onpremise implementations, you would use the SAP Landscape Transformation (LT) Migration Object Modeler (LTMOM) transaction for this purpose; for cloud solutions, please contact the SAP service team.

Overview of the migration project

The selected migration objects are transferred to the project view of the SAP S/4HANA migration cockpit. In the cockpit, at any time during the data transfer, you'll be able to see what object data still has to be loaded and for which objects the migration has been completed.

The source system data is formatted manually as required. If data needs to be cleansed (for example, if duplicates need to be identified and eliminated), you should address these issues before migrating the data. The cleansed data from the source system is stored in a file in a format defined by SAP. The relevant templates are provided by default.

In the next step, this file is uploaded. Basic inconsistencies in the data that Uploading to is planned to be imported to the target system or conflicts in the configuration are determined by tools and can be eliminated. Then, the data transfer from the source system is complete. Figure 4.5 illustrates these steps.



Figure 4.5 Steps for the Data Transfer to SAP S/4HANA in the Case of a New Implementation

The result is a system that corresponds to the SAP Standard as much as possible and does not contain any obsolete data. Table 4.2 demonstrates how this procedure focuses on master data and only a small amount of transactional data is transferred.

The SAP S/4HANA migration cockpit replaces the Legacy System Migration Workbench (LSMW), which was used in SAP R/3 and SAP ERP systems. SAP S/4HANA no longer supports this tool. LSMW still exists but rarely makes sense to use it and should be used at your own risk.

For the planned new implementation project, which data you want to transfer is decisive: If data objects have requirements that are not part of the content provided, you cannot transfer them with the SAP S/4HANA migration cockpit.

For more specific data transfers, you should use SAP Data Services, a tool for SAP Data Services extracting and loading data. SAP Data Services is included for all SAP HANA users who have an SAP HANA license. Optionally, SAP offers a license extension for SAP Data Services, which supports modifying and improving data quality and data cleansing. Consisting of a central Data Services server and a local frontend for modeling, SAP Data Services also provides migration content that is more comprehensive than in the SAP S/4HANA migration cockpit (see Table 4.2). However, using SAP Data Services requires more technical effort and key-user know-how than using the SAP S/4HANA migration cockpit.

Migration Objects When Using SAP Data Services				
Activity Prices	Fixed Assets	Profit Centers		
Activity Type Groups	Functional Location	Purchase Orders*		
Activity Types	GL Balances*	Purchasing Info Records		
Bank Master	GL Open Items*	Purchasing Requisitions*		
Batch	Inspection Methods	Reference Operation Set		
Bill of Materials (BOM)	Inspection Plans	Routings		
Business Partner	Internal Order*	Sales Orders*		
Characteristic Master	Inventory Balance*	Scheduling Agreements*		
Class Master	Master Inspection Characteristics	SD Pricing		
Configuration Pro- files for Material	Material External Customer Replenishment	Secondary Cost Elements		
Contracts*	Material Master	Service Master		
Cost Center Group	Material Master Classification	Source List		
Cost Centers	Material QM Inspection Type	Statistical Key Figures		
Credit Memo*	Object Dependency	Supplier Invoice*		
Customer Invoice Billing*	Open Deliveries*	Vendor Open Items (AP)*		
Customer Open Items (AR)*	Order Reservation*	Work Breakdown Structure		
Equipment	Planned Independents Requirements*	Work Centers		
Exchange Rates	Profit Center Groups			
The objects marked with * are transactional data; the other objects are master data.				

Table 4.2 Supported Migration Objects When Using SAP Data Services

Recall that the migration procedure we described creates a new system with a new SID that contains (selected) data from the source system. In most cases, this new system or the new multi-tier system landscape (involving development, test, and production systems) needs to be integrated into the overall landscape.

Chapter 8 and Chapter 13 provide further information on integration in SAP S/4HANA. Chapter 7 and Chapter 11 discuss the new implementation scenario and the relevant tools.

Checklist for New Implementation

Let's summarize the individual steps for new implementations:

- Determining the target status: operating model and distribution of the instances. You can carry out new implementations for on-premise implementations, for SAP HANA Enterprise Cloud (SAP HEC), and in the public cloud.
- 2. Identifying the desired new functions
- 3. Verifying the functions currently used via the simplification list (http://help.sap.com/s4hana_op_1610). Take into account the number of users for each function.
- 4. For existing SAP ERP systems: Precheck in simulation mode (see SAP Note 2182725)
- 5. Analyzing custom enhancements using the custom code migration worklist (http://bit.ly/v1448043). You usually have to newly implement existing custom programs in SAP S/4HANA Cloud. For more information on new enhancements for SAP S/4HANA Cloud, see Chapter 3, Section 3.4.
- 6. For on-premise editions only: Sizing (https://service.sap.com/sizing)
- 7. Adjusting input planning, verifying the migration scenario
- 8. If possible, data cleansing and archiving in the source system
- 9. Setting up the target system
- 10. Starting the SAP S/4HANA migration cockpit and transferring data
- 11. Checking the result
- 12. For on-premise editions only: Setting up the frontend servers for SAP Fiori
- 13. Delta configuration
- 14. Final tests
- 15. Roll-out of new processes for users



4.2.2 System Conversion to SAP S/4HANA

SAP ERP system as a base

In this scenario, we'll take an existing SAP ERP system and convert this system into an SAP S/4HANA system in several steps (see Figure 4.6). The SID, the customization, and the existing data of the source system are kept in this procedure. When selecting this scenario, you should cleanse your data before you convert the system. Note that this scenario is not an upgrade because the existing system belongs to a different product family.

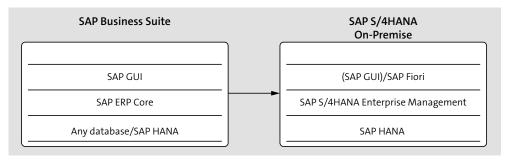


Figure 4.6 System Conversion to SAP S/4HANA

[>>]

Data Footprint and Archiving

SAP S/4HANA features a considerably reduced data footprint, meaning that the data in the SAP HANA database occupies less storage space than in common SAP ERP systems on traditional databases. SAP HANA's improved compression algorithms are already considered in SAP's official sizing recommendations.

However, in the case of system conversions, these sizing rules usually do not apply to the target system because the storage requirements are temporarily higher than in newly implemented systems. More memory is needed because SAP keeps your data to avoid data loss. Consequently, data is temporarily kept redundantly in the target system: in both the new data models of SAP S/4HANA and in the obsolete tables of the SAP ERP system.

Therefore, the target system needs to be sufficiently sized initially. After the conversion, you can delete redundant data manually. First, however, you should check whether the data has been successfully converted.

To effectively size the target system (providing sufficient but not too much memory), you should analyze what data in the source system can be archived. You'll be able to access these archives from SAP S/4HANA. Another benefit is that the runtime of actual conversion will also be reduced. However, you should not archive active data. Your planning should additionally consider that the archiving routines in the SAP S/4HANA target system still have to be adjusted to the new data models so that the target system can also archive future data.

In addition, you can use the data aging option, which is integrated into SAP HANA. This method moves data that is not actively used from the SAP HANA memory and could be considered a kind of preparatory step for archiving: Hot data is stored in the SAP HANA memory; cold and historical data is stored in the archive.

Before you convert your system, you must analyze the source system in Simplification list detail. The simplification list provided by SAP contains all relevant changes that affect available SAP ERP functions: omitted functions, significantly modified applications (or application architectures), and nonstrategic functions (see Figure 4.7). The latter refers to functions that are available in SAP S/4HANA but that SAP no longer recommends. Because SAP doesn't plan to enhance or maintain these functions in the future, you should only use these functions during the transition phase.

For simplification reasons, SAP provides numerous automatic prechecks. Prechecks These prechecks answer the following questions about your system:

- Are the technical system requirements met?
- Are functions used that are will no longer be available in the target system in the same form?
- Is incompatible software used, such as add-ons that have not been released for SAP S/4HANA (yet)? Incompatible software must be uninstalled from the source system, or you must find a compatible version for SAP S/4HANA. Please contact the add-on's manufacturer for further information in this case.
- Are your custom enhancements compatible with SAP S/4HANA?

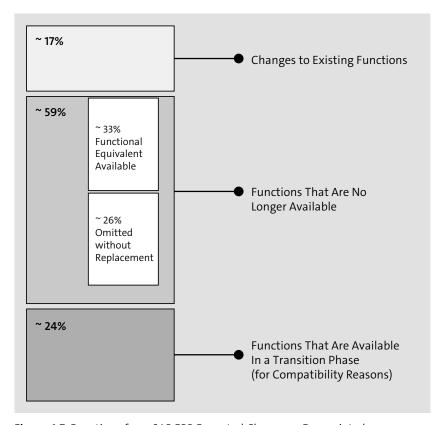


Figure 4.7 Functions from SAP ERP Expected Change or Depreciated

The results of these checks can considerably impact project scoping. We therefore recommend running these checks at the beginning of the conversion project so you can accurately estimate the overall project scope. To run a simulation, you can select the **Simulation Mode** in the prechecks (see Figure 4.8).

Results of the checks

The results of the checks are categorized as follows:

- Positive results (green)
- Warnings (yellow)
- Errors that hinder a conversion (red)

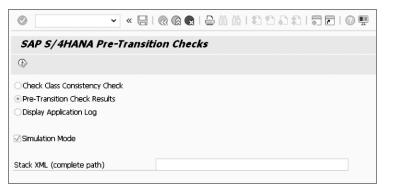


Figure 4.8 Initial Screen of the Prechecks for Preparing the SAPS/4HANA Conversion

Warnings do not prevent the technical implementation of the conversion from continuing. However, because these warnings might lead to data loss under certain conditions, you should also analyze warnings in detail. An example of the results of these prechecks is shown in Figure 4.9.

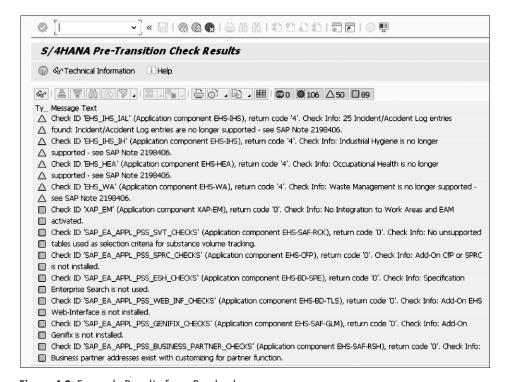


Figure 4.9 Example Results from Prechecks

1. Migrating the database to SAP HANA

Your source system database does not have to be SAP HANA. In this case, the SUM enables you to also convert the database to SAP HANA, which is referred to as the *Database Migration Option* (DMO).

downtime, SAP recommends involving SAP consultants in the conversion

The technical conversion usually involves the following three steps:

2. Implementing new repository objects

The software is updated to the new SAP S/4HANA versions.

3. Converting the data

project.

The data of the source system is transferred to the target system using its new storage options.

After you have successfully implemented the technical conversion, you might have to perform some application-specific tasks.

The system is ready for use again—but only with the functional scope of Configuring the the legacy system. The new SAP S/4HANA functions are available in the system but usually still have to be configured. To simplify this configuration, SAP provides predefined content in SAP Best Practices.

new functions

[«]

From a Single System to a Landscape

The conversion steps we described must be performed in *all* systems of the landscape, i.e., at least in the development, test, and production systems. To overcome the resulting downtime, you can generate a temporary copy of the landscape. Please note that, in this case, you probably won't be able to transport code or configuration changes between systems on the source product version and the new SAP S/4HANA systems. This limitation also applies to SAP corrections. These limitations arise because the code (custom code and SAP code) and configuration tables differ. We recommend adjusting the landscapes manually.

Thus, you should also divide the project into two phases and focus on the technical conversion of the system first. You can then introduce new or changed processes on the converted system in a second step.

The possible target SAP S/4HANA versions depends on the source product Prerequisites version. Usually, you can select between multiple target releases. When

SAP has made these prechecks available via SAP Notes (see SAP Note 2182725). Prechecks are imported into the source system, where you'll run the check, meaning you can carry out prechecks independently of the technical conversion project. To be safe, the conversion routine additionally requests that you run the prechecks to avoid converting systems that have not been checked.

Custom code checks

Custom code checks deviate from the procedure described above. To check custom code, an SAP NetWeaver system is connected to the source system, and the custom code is then analyzed in this SAP NetWeaver system. In this way, unnecessary workload is diverted away from the source system. The result of these checks is a custom code migration worklist, which lists adaptations to your custom code recommended by SAP.

Adjusting the source system

After the checks have been carried out, you should eliminate the abnormalities found in your source system. Otherwise, the conversion might not run smoothly. After implementing all corrections, you can verify the system readiness by checking the system again.

Carrying out the conversion

If the prechecks do not indicate any abnormalities, you can initiate the next conversion phase. Call the *Maintenance Planner* via the SAP Support Portal (https://apps.support.sap.com/sap/support/mp). Then, enter the desired target status—the selected version of SAP S/4HANA in our case—in the Maintenance Planner. You then carry out the actual technical system conversion using a version of the Software Update Manager (SUM) that has been optimized for SAP S/4HANA.

Standard or downtimeoptimized

You can choose how the technical conversion should be carried out. SAP provides two procedures for this:

- Using default, predefined procedures, SAP will try to balance resource consumption, downtime, and overall runtime.
- A procedure with optimized downtime converts larger data volumes into the SAP S/4HANA data format while the system is in production operation, which reduces the downtime. The price you pay is increased resource consumption and sometimes a longer runtime for the technical conversion.

At present, the conversion with optimized downtime option is only available for source systems that do not run on SAP HANA. You can optimize additional requirements in individual projects. If you strive for a *near-zero*

begin a conversion, SAP HANA doesn't have to be already implemented in your source system. You also do not need to implement the versions of SAP S/4HANA sequentially when transitioning to a higher version. In general, a source system running on SAP ERP 6.0 or higher is sufficient, as shown in Figure 4.10. Chapter 10 provides more details on conversion paths.

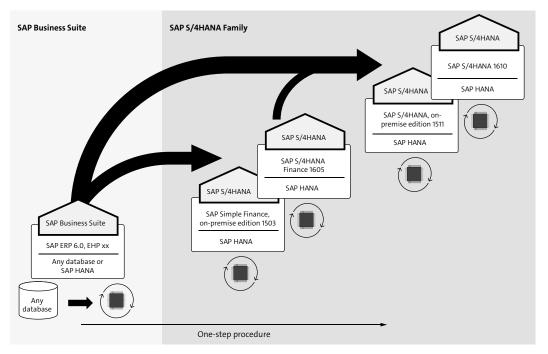


Figure 4.10 Different Paths to SAP S/4HANA



Conversion Checklist

The following list summarizes the individual steps for a system conversion:

- 1. Determining the target status: operating model and distribution of the instances. The system conversion can only be carried out for on-premise implementations or for SAP HANA Enterprise Cloud (SAP HEC).
- 2. Identifying the desired new functions
- 3. Verifying the functions currently used via the simplification list. Take into account the number of users for each function.
- 4. Running prechecks in simulation mode and custom code checks (http:// bit.ly/v1448041)

- 5. Sizing
- 6. Adjusting capacity planning for the project and confirmation of the migration scenario
- 7. If possible, data cleansing and archiving in the source system
- 8. Planning your system conversion in the Maintenance Planner (http:// bit.ly/v1448042)
- 9. Selecting the standard conversion or the conversion with optimized downtime in the SUM, adjusting sizing if required
- 10. Executing the maintenance transaction
- 11. Checking the result
- 12. Setting up the frontend servers for SAP Fiori
- 13. Delta configuration
- 14. Roll-out of the new processes for the users

4.2.3 Landscape Transformation with SAP S/4HANA

Landscape transformation refers to a migration scenario in which various Data in a shared SAP ERP systems are integrated into a shared SAP S/4HANA system (see Figure 4.11). You might choose a landscape transformation to benefit the most from SAP S/4HANA's real-time data processing: Only if all data is kept in one database can the system use this data with highest efficiency. Another benefit is that data no longer needs to be replicated. SAP S/4HANA's efficient compression algorithms and its high speed can handle the volume of data that previously would have been spread out to multiple traditional systems.

database

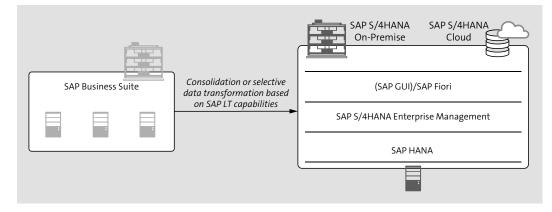


Figure 4.11 Landscape Transformation

Two subprojects

The landscape transformation process consists of two subprojects. In the first part, the master system is prepared. As described in the previous two sections, the master system is either a new implementation of an SAP S/4HANA system or a system conversion. The latter scenario is implemented if the landscape contains an SAP ERP system that can be used as the basis for the other systems. The configuration and process specifications should be optimized and up-to-date in this system. When planning this first step, take into account the guidance for new implementations and system conversions described in the previous two sections.

Selecting the data extraction method

After you've implemented an SAP S/4HANA master system, you still need to transfer the data from your other systems in the landscape to this system. First, determine the required data extraction method. Figure 4.12 illustrates common methods:

- Consolidation of several complete systems
- Transfer of selected company codes
- Transfer of selected business processes

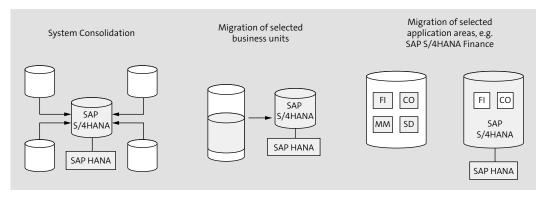


Figure 4.12 Examples of Landscape Transformation Scenarios

SAP Landscape Transformation

Regardless of data extraction method, the data from (several) SAP ERP versions is read and written to the SAP S/4HANA system. In this process, this data will need to be translated into the new SAP S/4HANA data model using SAP Landscape Transformation (SLT). However, you cannot use SLT for continuous data replication, just for one-time data transfers only, as in this scenario. SAP has equipped SLT with the right conversion logic for the new SAP S/4HANA data model.

Landscape transformations are also possible for non-SAP systems if you are Non-SAP source willing to accept some constraints. In this case, however, you should consider using SAP Data Services as described in the new implementation scenario. The specific tool you use depends on your individual situation.

The individual realizations in a landscape transformation are highly specialized projects. In addition to the technical support, SAP and other service providers can offer specialized consulting and implementation services for these scenarios. Chapter 12 further describes landscape transformations in detail.

A	Application data, harmonization 474
	 Application Interface Framework 521
ABAP Data Dictionary 126, 47	
ABAP Dictionary table8	
ABAP enhancements 13	
ABAP Repository47	
AcceleratedSAP 158, 37	
Accelerator17	
Account, Central Finance49	4 Ariba Collaborative Sourcing → SAP Ariba
Accounting47–4	8 Sourcing
parallel4	
simplification4	
Accounts payable5	1 Ariba Purchase Order to Invoice 508
Accounts payable data47	5 Ariba spot quote246
Accounts receivable5	1 ASAP158, 378
Accounts receivable data 47	5 ASE 395
Activate → SAP Activate	Asset accounting348
Actual data5	0 .atl
Adaptive Server Enterprise 39	5 Authentication, SAP S/4HANA Cloud
Add-on 14	7 200
partner 34	5 Authorization, harmonization 475
SAP 34	5 Automation31
Admin Center 51	5 Availability check, global53
Admin guide 31	9 AWS 181
Advanced Available-to-Promise 54	2
Aggregate 82, 8	4 B
AIF 52	1
ALE → Application Link Enabling	B2B51
ALWAYS_OFF 34	5 Backend system90
Amazon Web Services 18	1 Backup 466
Analysis phase46	0 BAdI, Ariba integration 508
Analysis, simplification 4	5 BAiO 161
Analytical app8	
API 126, 28	4 Bank master 400
API, public 30	
APO	5 ALE interface 400
App	asynchronous400
analytical8	
transactional8	
App Finder 37	4 Best Practices Explorer 164, 397
Appliance 18	2 Best practices → SAP Best Practices

Index Index

BI Launchpad433
Bing 71
Blueprint 462
Blueprint phase 380
BPC
Brownfield 99, 121, 329
Browser 90
Building block 166, 320
Building Block Builder 319
Business All-in-One 161
Business Application Programming Inter-
face → BAPI
Business case
Business configuration sets 320
Business function
FIN GL ERR CORR484
FIN_GL_ERR_CORR_SUSP484
FINS CFIN
Business impact note 343
Business model, change
Business object
custom130
Business partner
Business process547
enhancement 125
harmonize531
Business process document 163
Business suite 78
BW532
C
Campaign execution287
Career Site Builder 61
CCLM350
CDS 126, 351
CDS view 519
Central Finance 48, 108, 482
companies488
data transfer 486, 499
global parameters487
Implementation Guide 483
master data493
system connections483
Central hub

Central Management Console 393
Change pointer 511
Chart of accounts489
Check data value385
Check list, SAP S/4HANA Cloud 210
Check routine, SAP Data Services 427
Check variant351
Client
000318
concept471
copy318
merge469
profile318
SAP Best Practices318
traditional318
transfer 469
Cloud
deployment model102
edition104
operating model101
security 36, 101
service models101
Cloud Appliance Library180
Cloud computing
Cloud computing
Cloud Connector \rightarrow SAP HANA Cloud Con-
$ {\sf CloudConnector} \mathop{\rightarrow} {\sf SAPHANACloudConnector} \\$
Cloud Connector → SAP HANA Cloud Connector Cloud Identity
Cloud Connector → SAP HANA Cloud Connector Cloud Identity
Cloud Connector → SAP HANA Cloud Connector Cloud Identity
Cloud Connector → SAP HANA Cloud Connector Cloud Identity
Cloud Connector → SAP HANA Cloud Connector Cloud Identity
Cloud Connector → SAP HANA Cloud Connector Cloud Identity
$\begin{array}{llllllllllllllllllllllllllllllllllll$
Cloud Connector → SAP HANA Cloud Connector Cloud Identity
Cloud Connector → SAP HANA Cloud Connector Cloud Identity
Cloud Connector → SAP HANA Cloud Connector Cloud Identity
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Cloud Connector \rightarrow SAP HANA Cloud Connector Cloud Identity
Cloud Connector \rightarrow SAP HANA Cloud Connector Cloud Identity
Cloud Connector \rightarrow SAP HANA Cloud Connector Cloud Identity

Configuration application 210	Customizing 123
Configuration item210	client-dependent473
Consolidation42	client-independent473
Consolidation, systems 458	data migration395
Contact, SAP Hybris Marketing Cloud	SAP S/4HANA Cloud210
290	transfer 474
Content 419	Cut-over 175, 336, 464, 466
Content activation 320	CVI
Controlling50	cXML 506
Controlling area 477, 491	
Conversion 419, 474	D
Conversion path 339	
Conversion → System conversion	Dashboard, marketing manager 72
Conversion scenario → Migration	Data aging 147
scenario	Data analysis 380
Conversion table 232, 419	Data cleansing
Cookbook 318	Data comparison 396
Core business processes	Data conversion 87, 366
Core Data Services → CDS	Data flow 403
Core process, business	Data footprint 138, 146
Cost accounting 491	Data governance 396
Cost center 496	Data harmonization 468
attributes 496	Data import 430
Cost element	simulation236
primary 494	Data lineage 391
secondary 495	Data management object
Cost/benefit analysis 462	Data migration
Counter-deletion 477	content393, 396
Country 487	Convert Values233
Credit management 330, 341	field mapping412
Credit Risk Analyzer51	fixed values235
Crowdfunding30	implementation phase
Crowdsourcing	monitoring 432
CSV 234, 285, 296	performance 434
Custom code check 132, 150	phases 378
Custom Code Lifecycle Management	platform394
toolset 350	Rapid Data Migration390
Custom code migration worklist 150,	SAP S/4HANA migration cockpit 437
331, 349, 352	starter system203
Custom development 348, 473	template 412
Custom development, automatic	validation function428
check 150	Data Migration Server 486
Custom developments 348, 548	Data model, simplification84
Customer field450	Data quality 475
Customer master 396	Data replication 153
Customer Vendor Integration 396	Data replication monitoring 516

Data security 101
Data Services Designer 398, 401, 426
Data Services → SAP Data Services
Data storage, architecture 86
Data structure, simplification 40
Data validation 384, 426
Data volume, development
Data, historical540
Database
integration 405
migration368
migration, custom developments 351
server
sizing362
traditional 81
view 85
Database Migration Option 151, 364, 368
Database Migration Option, Migration
Control Center
DataSift
Datastore 405, 430
Decommissioning Cockpit
Deduplication
Delta reconciliation
Deploy phase 175, 208
Deployment option → Operating model
Development
Development system
conversion
system configuration319
transformation467
Dialog process
Digital core 37, 78, 106
Digital farming
Digital native 79
Digital platform
Digital transformation
Digitalization
Discount management 246
Discover phase 139, 194
Disruptive transformation 30
Distribution model 511
DMO → Database Migration Option
Document exchange 244
Download Basket 313

101	Downtime 335, 366
, 426	Downtime-optimized procedure 370
	Dual-stack system
86	
40	E
, 426	
76	eCATT320
540	E-learning 34, 62
	Electronic Data Interchange 521
405	Embedded analytics96
368	Emergency patch116
351	Employee data277
392	import 205, 275
362	synchronization519
81	Employee self-services
85	End user, training337
, 368	End-to-end process
า	End-user extensibility
369	Enhancement option120
302	Enhancement, side-by-side 124
, 430	Enterprise Services 521
350	Environment, Health, and Safety (EHS)
391	56
396	EPS286
, 208	$ERP \rightarrow SAP ERP$
del	
62	ETL
	Event Stream Processor
334	EWM
319	Execution of Program After Import 87
467	Execution phase
436	Explore phase 174, 195, 203, 380
, 106	Explore phase \rightarrow Explore phase
32	Extensibility
79	business objects130
33	business processes125
25	calculation logic130
27	custom122
246	fields129
, 194	in-app approach 124, 126
30	key user126
511	side-by-side approach124
	tables129
244	traditional131
313	user interfaces125
	•

F
(F1) help 172
FaaS
Facebook
marketing71
Fact sheet
Fan page 305
FES
Field mapping 382, 403, 411, 450
Field, custom
Fieldglass 64, 67
File interface
Final trial run
Financial closing 48, 111
Financial planning 49
Fiori as a Service
Fiori Cloud \rightarrow SAP Fiori Cloud
Fiori Launchpad \rightarrow SAP Fiori Launchpad
$Fiori \rightarrow SAP Fiori$
Fiscal year variant
Fit gap workshop 174, 189, 322, 382
Fit standard analysis 189
Fixed value
Flat file
Frontend server
add-on deployment 323
central hub deployment 323
deployment options 323
installation 325
SAP Fiori Cloud 323
Fully-Activated Appliance 182
Function module 398, 441
Function module, wrapper 441
G
Gateway → SAP Gateway
General test
Gigya
Global availability check
Global Available-to-Promise 542
Global system 532, 545
Global variable 412, 420, 430
Golden record
Go-live 175, 467

Google	287 9, 377 66 0, 165 231
Hard disk Hardware 83, 110 requirement 111 Harmonization 111 HEC 111 Help text Hotfix HR HTML5 total 111 Human capital 111 Human Capital Management 111 Human resources 111 Hybrid cloud 111 Hybrid scenario 111	83 5, 468 313 531 509 3, 311 212 116 57 125 34 509 57 103 103
laaS → Infrastructure as a Service identity provider	1, 398 435 399 431 399 511 430 431 399 434 436 434 430

Index Index

IDP	200	K	
IFlow	282, 513		
Implementation		Key performance indicator	7
method	158	Key user	20
process-oriented	136	Key-user extensibility	
technical	135	KPI	7
Implementation Guide, Central			
Finance	483	L	
Industry 4.0	25		
Information Steward	391	Landscape Management Da	tabase 34
Infrastructure as a Service . 102,	114, 180,	Landscape strategy	53
311		Landscape transformation	140, 153, 457
Infrastructure service	33	527, 539	
Initial situation	527	pre-analysis	46
In-memory database	83	project phases	45
Innovation Strategy & Roadmap	529	scenarios	45
Innovation Strategy & Roadmap		system group	46
service	529	testing	46
In-place migration	368	Launchpad → SAP Fiori Lau	nchpad
Inspection run	356	Learning Hub → SAP Learni	ng Hub
Instagram	287	Ledger	48
Installation	313	Legacy System Migration W	orkbench
Installation guide	315	143, 454	
Integration	61, 95	License	120, 18
Integration flow	282, 513	Lifecycle management	15
Integration package, SAP		Live tile	9
SuccessFactors	519	LMDB	34
Integration, native	505	Load test, productive	38
Interaction, SAP Hybris Marketing	g Cloud	Load, productive	38
290		Local Object Library	40
Interface	126	Localization	18
$Intermediate\ Document \rightarrow IDoc$		Logical system	485, 51
Internet of Things 2	25, 31, 37	Logical Unit of Work	43
Inventory management	52	Lookup field	41
simplification		Lookup table	41
Invoice processing	65	Loyalty program	7
$IoT \rightarrow Internet of Things$		LSMW	143, 45
ISO code	423	LUW	43
J		M	
Jam	178	Maintenance	31, 120, 46
Job	402	Maintenance cycle	11
validation	427	Maintenance plan	34

Maintenance Planner 150, 313, 331, 344	Migration (Cont.)
landscape data 345	new implementation140
SAP Fiori 371	scenarios139
Managed cloud 113	system conversion140
Mandatory field 412	Migration Cockpit → SAP S/4HANA
Mandatory structure 229	Migration Cockpit
Manufacturing cloud 110	Migration object 141, 214, 380, 387
Manufacturing execution system 55	adapt441
Mapping	copy
on paper 403, 412	determine
rules 474	Migration Object Modeler → SAP
SAP Data Services Designer 413	S/4HANA Migration Object Modeler
template 403	Migration project133
Market Risk Analyzer51	Migration scenario
Marketing calendar 72	Migration services
Marketing Lead Management	Migration template
Marketing resource management 72	add fields 445
Mass load ID 221	
Massive Open Online Course 34, 172	file extension227
Master client 187, 318	release
Master data 380	view
Central Finance 493	Migration tool
cleansing 494	Migration Workbench 213, 216, 451
employee 196	Model company 179
harmonization 474	clients 187
human resources 510	structure 188
Master Data Governance → SAP Master	Modification 348, 473
Data Governance	Modification adjustment 318
Master system 154	MOOC 34, 172
Master system → Master system	Multi-client system469
Material group 497	Multi-core processor83
Material master 497	Multi-system landscape 204
Material number field 341	MWB → Migration Workbench
Material requirements planning 55	
MDG483, 494	N
Memory 83	
Message type	Naming convention 497
Metadata	Near-zero downtime 151
Methodology	New implementation 140, 377, 527, 535,
Microsoft Azure	539
Microsoft Excel XML Spreadsheet 2003	Rapid Data Migration390
216, 226	SAP S/4HANA Cloud 194
Middleware 506	SAP S/4HANA migration cockpit 437
Migration	New installation
content	Non-SAP system

Migration (Co	ont.)
new implei	mentation140
scenarios	139
system con	version140
Migration Co	ckpit → SAP S/4HANA
Migration	Cockpit
Migration ob	ject 141, 214, 380, 387
adapt	44
сору	225
Migration Ob	oject Modeler → SAP
S/4HANA N	Migration Object Modeler
Migration pro	oject133
Migration sce	enario139, 527
-	rvices 419, 424
Migration ter	mplate226, 440
add fields	44
file extensi	on 22
release	227
view	
Migration to	ol21
Migration Wo	orkbench 213, 216, 45
Model compa	any 179
clients	
structure .	188
Modification	
Modification	adjustment 318
MOOC	34, 172
Multi-client s	system 469
Multi-core pr	ocessor83
Multi-system	landscape204
$MWB \rightarrow Migr$	ration Workbench
N	
	vention49'
Near-zero do	wntime 153
New impleme 539	entation 140, 377, 527, 535
	a Migration390
	<i>NA Cloud</i> 19 ⁴
	NA migration cockpit 43
	ion

0	PoC 182, 184
<u> </u>	Portal 88
OData 126, 284, 291, 518	Post303
OData service 323	PP/DS39
ODBC405	Pre-check 149, 331, 346
Offset 474	asset accounting348
OLAP 82	Pre-check → Pre-check
OLTP 82	Predictive analytics 31
One-step procedure 332, 338, 537	Prefix474
One-tier system111	Prepare phase 174, 380
Online Analytical Processing	pre-checks346
Online Transaction Processing	Prepare phase → Prepare phase
On-premise	Pre-Transition Check → Pre-check
On-premise edition 104	Principle of one
Open Campaign Channel	Private cloud 70, 103, 311
Open Data Protocol → OData	Private managed cloud solution 105
Open Database Connectivity	Process
openSAP 172	standardize468
Operating concern	test
Operating model 100, 134	Process diagram 163, 251
cloud	Process Orchestration → SAP Process Or-
hybrid	chestration
on-premise	Procurement
Operation115	Product hierarchy
ORDER BY statement351	Product recommendation
Organization derivation 478	Production
Organizational unit 486, 492	Production conversion 461, 466
transfer	monitoring466
Out of the box	simulation465
251	Production planning and detailed
P	scheduling
r	Production system 204, 320
PaaS 102, 124	global532
Paid search	regional532
Paid search campaign	strategy530
Parallel accounting	transformation466
Payroll	Productive load386
Phased rollout	Profiling 391, 395
PI → SAP Process Integration	columns
Planned data 50	relationships410
Planning	Profit center
Planning phase	Profit center accounting
Platform as a Service 102, 124	Profitability analysis, account-based 492
Platform, digital	Program variant475
Plausibility check	Project management111
PLT	Project plan462
гы	1 10 jeet plui1 402

Project planning	
Project team	
Proof of concept18	
Provisioning framework	
Public API	
Public cloud 102, 116, 19	
Purchase order	
Purchase requisition	
Purchasing, operative	64
Q	
Quality assurance system 20	94, 320
conversion	
Quick Sizer	363
Quote automation	246
Quote, spot	246
R	
RAM	
Random-Access Memory	
sizing	
Rapid Data Migration 388, 39	
Rapid Data Migration, API	
Rapid Deployment Solution (RDS) . 161	
Rapid Deployment Solution, packag 393	e
$RDS \rightarrow Rapid Deployment Solution$	
Realize phase175, 20)4, 384
Regional system53	
Relevance analysis	
Remittance advice	246
Remote function $\operatorname{call} \to \operatorname{RFC}$	
Replication server10)8, 482
Reporting	
Repository	
Representational State Transfer (RES 126, 285	
Request for quotation	243
	412
Required field	
Research and development	55
Required fieldResearch and developmentREC	55
Research and development	55 80, 435

Roadmap Viewer 176, 529
Role 92, 205
key user199
SAP S/4HANA Cloud, starter system 199
SAP_BR_ADMINISTRATOR 199
SAP_BR_BPC_EXPERT203, 216
Runtime estimate457
S
S user
S/4HANA → SAP S/4HANA
S4CORE total
S4HANA READINESS total
SaaS → Software as a Service
Sales
Sales order fulfillment
Sandbox system 182, 184, 313
SAP Activate 157, 179, 195, 378
content
integration249
methodology 173
modules 159
phases 174
SAP Adaptive Server Enterprise 395
SAP Advanced Planning and
Optimization 39, 55
SAP API Business Hub 282, 292, 301
SAP Application Interface Framework 522
SAP Ariba 503
interfaces503
message type244
native integration 505
rapid deployment solution 273
scope items 256
subscription249
transaction rule269
SAP Ariba business relationship 271
SAP Ariba Collaborative Commerce 245
SAP Ariba Collaborative Finance 247
SAP Ariba Discount Management 247
SAP Ariba Network 51, 64, 67, 241
integration 507
invite suppliers259
111vite suppliers239

SAP Ariba Solution Integration for SAP	
Business Suite	273
SAP Ariba Sourcing 243, 5	508
SAP Best Practices 160, 179, 3	393
activation	319
baseline	163
building blocks	166
Explorer 164,3	397
localization	163
migration content	
Rapid Data Migration	390
scope items	166
system configuration	318
SAP Business All-in-One	161
SAP Business Planning and	
Consolidation	49
SAP Business Suite	78
SAP Business Suite 4 SAP HANA → SAP	
S/4HANA	
SAP Business Warehouse	532
SAP BusinessObjects BI Platform 3	91,
432	
SAP BusinessObjects Planning and	
Consolidation	542
SAP BusinessObjects Web Intelligence	
391, 434	••••
391, 434 reports	432
reports	432 532
reports	432 532 180
reports	432 532 180 50
reports	432 532 180 50 180
reports	432 532 180 50 180 200
reports	432 532 180 50 180 200
reports	432 532 180 50 180 200 23,
reports	432 532 180 50 180 200 23, 82,
reports	432 532 180 50 180 200 23, 82,
reports	432 532 180 50 180 200 23, 82, 43 ,51
reports SAP BW SAP CAL SAP CAL SAP CAL SAP Cash Management SAP Cloud Appliance Library SAP Cloud Identity SAP Cloud Identity SAP Cloud Platform 102, 120, 124, 3 325, 513 SAP Cloud Platform integration 275, 2 285, 294, 299, 301, 506, 513 SAP Cloud Platform OData Provisioning SAP Consumer Insight SAP Credit Management 38, 40 SAP Data Services	432 532 180 50 180 200 23, 82, 326 43 , 51
reports SAP BW SAP CAL SAP CAL SAP CAL SAP Cash Management SAP Cloud Appliance Library SAP Cloud Identity SAP Cloud Platform 102, 120, 124, 3 325, 513 SAP Cloud Platform integration 275, 2 285, 294, 299, 301, 506, 513 SAP Cloud Platform OData Provisioning SAP Consumer Insight SAP Credit Management 38, 40 SAP Data Services 143, 386, 3 data flow	432 532 180 50 180 2200 23, 82, 326 43 , 51 390 402
reports SAP BW SAP CAL SAP Cash Management SAP Cloud Appliance Library SAP Cloud Identity SAP Cloud Platform 102, 120, 124, 3 325, 513 SAP Cloud Platform integration 275, 2 285, 294, 299, 301, 506, 513 SAP Cloud Platform OData Provisioning SAP Consumer Insight SAP Credit Management 38, 40 SAP Data Services 143, 386, 3 data flow Designer 398, 4	432 532 180 50 180 200 23, 82, 326 43 ,51 390 402 401
reports SAP BW SAP CAL SAP Cash Management SAP Cloud Appliance Library SAP Cloud Identity SAP Cloud Platform 102,120,124,3 325,513 SAP Cloud Platform integration 275,2 285,294,299,301,506,513 SAP Cloud Platform OData Provisioning SAP Consumer Insight SAP Credit Management 38,40 SAP Data Services 143,386,3 data flow Designer 398,4 import	432 532 180 50 180 200 23, 82, 326 43 ,51 390 402 401 397
reports SAP BW SAP CAL SAP Cash Management SAP Cloud Appliance Library SAP Cloud Identity SAP Cloud Platform 102, 120, 124, 3 325, 513 SAP Cloud Platform integration 275, 2 285, 294, 299, 301, 506, 513 SAP Cloud Platform OData Provisioning SAP Consumer Insight SAP Credit Management 38, 40 SAP Data Services 143, 386, 3 data flow Designer 398, 4 import	432 532 180 50 180 200 23, 82, 326 43 , 51 390 402 401 397 396
reports SAP BW SAP CAL SAP Cash Management SAP Cloud Appliance Library SAP Cloud Identity SAP Cloud Platform 102,120,124,3 325,513 SAP Cloud Platform integration 275,2 285,294,299,301,506,513 SAP Cloud Platform OData Provisioning SAP Consumer Insight SAP Credit Management 38,40 SAP Data Services 143,386,3 data flow Designer 398,4 import	432 532 180 50 180 200 23, 82, 326 43 401 397 396 398

SAP Download Manager 313
SAP Engineering Control Center 55
SAP Enterprise Architecture Explorer
324
SAP ERP
SAP ERP 6.0 527
SAP ERP HCM509
SAP ERP HCM, side-by-side operation
513
SAP Event Stream Processor 286
SAP Extended Warehouse
Management 53, 342
SAP Fieldglass
SAP Fiori
2.0
App Finder374
app reference library372
Best Practices
documentation
enhancements
frontend server322
help
installation371
library326
operating concept91
relevance analysis370
role 92
role concept374
technology90
transition phase373
types of apps89
<i>X-ray</i>
SAP Fiori Cloud
demo325
deployment options326
SAP Fiori Launchpad 91, 322, 374
group92, 198
navigation198
provider323
SAP Gateway 126, 322
SAP GUI 88, 322, 373
SAP HANA 83
SAP HANA Cloud Connector 126,323,
326
SAP HANA Cloud Platform → SAP Cloud
Platform

SAP HANA Enterprise Cloud 113, 311	SAP S/4HANA	17, 75, 106
SAP HANA Enterprise Cloud, Central	accounting	
Finance 483	admin guide	
SAP HANA, custom developments 351	architecture	90
SAP Hybris Cloud for Customer 70,285,	Asset Management	56
306	business functions	46
SAP Hybris Cloud for Customer 2.0	compatibility packages	59, 107
integration with SAP ERP 293	components	
SAP Hybris Cloud for Service 285	configuration	165
SAP Hybris Commerce 70, 286	digital transformation	37
SAP Hybris Data Hub286	extensibility	122
SAP Hybris Loyalty Management 285	frontend server	322
SAP Hybris Marketing68	global system	532
SAP Hybris Marketing Cloud 68–69, 112	guided configuration	110
contacts	human resources	57, 59
data model 289	implementation	158
File Based Data Load299	installation	313
integration	integration with SAP Ariba	503
interactions290	logistics	52
SAP Information Steward	migration	
SAP Jam 178	on-premise1	
SAP Landscape Transformation 154	operating models	
delete company code477	operation	115
Migration Object Modeler142	procurement	
SAP Landscape Transformation	product family	
Replication Server 108, 482	public cloud	
trigger 486	reference	
SAP Launch	regional system	
SAP Learning Hub 172–173	requirements	
SAP LT → SAP Landscape Transformation	sales and marketing	
SAP Manufacturing Execution	sizing	
SAP Master Data Governance (MDG)	trial system	
483, 494	SAP S/4HANA Central Finance	$e \rightarrow Central$
SAP Note	Finance	
	SAP S/4HANA Cloud	
business impact	configuration	
implement	customizing	
55	data migration 203,207,2	
	220, 229, 377, 383–385, 38	38, 390, 400,
SAP Process Orghostration 95, 294, 521	411, 419, 437, 441, 528	116
SAP Process Orchestration 95, 506, 521	hardware	
SAP Product Lifecycle Management 55	human resources	
SAP Project System	implementation checklist .	
SAP Promotion Management for Retail	implementation phase	
286	maintenance cycles	
SAP Query 386	operation	115

SAP S/4HANA Cloud (Cont.)
production system205
starter system195
trial system 180, 194
user interface94
SAP S/4HANA Community 318, 455
SAP S/4HANA Cookbook 318
SAP S/4HANA Embedded Analytics 45,
96
SAP S/4HANA Enterprise Management 106
SAP S/4HANA Enterprise Management
Cloud 105, 112
private option114
SAP S/4HANA Finance 106, 538
cloud111
pre-checks348
SAP S/4HANA Fully-Activated
Appliance 181
SAP S/4HANA Installation Guide 315
SAP S/4HANA Manufacturing Cloud 110
SAP S/4HANA Marketing Cloud \rightarrow SAP
Hybris Marketing Cloud
SAP S/4HANA Migration Cockpit 110,
141 171 202 207 214 216 220 220
141, 171, 203, 207, 214, 216, 220, 229,
377, 383–385, 388, 390, 400, 411, 419,
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441 SAP S/4HANA Professional Services
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441 SAP S/4HANA Professional Services Cloud
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441 SAP S/4HANA Professional Services Cloud
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441 SAP S/4HANA Professional Services Cloud
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441 SAP S/4HANA Professional Services Cloud
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441 SAP S/4HANA Professional Services Cloud
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441 SAP S/4HANA Professional Services Cloud
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441 SAP S/4HANA Professional Services Cloud
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441 SAP S/4HANA Professional Services Cloud
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441 SAP S/4HANA Professional Services Cloud
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441 SAP S/4HANA Professional Services Cloud
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441 SAP S/4HANA Professional Services Cloud
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441 SAP S/4HANA Professional Services Cloud
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441 SAP S/4HANA Professional Services Cloud
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441 SAP S/4HANA Professional Services Cloud
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441 SAP S/4HANA Professional Services Cloud
377, 383–385, 388, 390, 400, 411, 419, 437, 441, 528 SAP S/4HANA Migration Object Modeler 142, 377, 441 SAP S/4HANA Professional Services Cloud

SAP SuccessFactors Employee Central
59, 274, 513
Admin Center515
communication scenario281
integration packages519
SAP Supplier Network Collaboration 273
SAP Supply Chain Management 52, 273
SAP Support Portal
SAP Treasury and Risk Management 51
SAP Web Dispatcher
SAP Web IDE44, 93, 326
SAP_APPL
SAP CUST
SAP_UCUS
SAPUI5 total125
Satellite system 193, 284
SCM 52, 273
Scope item 166, 243, 251, 320
Search, paid
Secure File Transfer Protocol 285, 299
Segment
SELECT statement
Self-service configuration 69, 168
Sensor data
Service
Service model
Service process, smart 31
Set up key user, user
SFTP
Shadow instance
Shared secret
Simple Finance → SAP S/4HANA Finance
Simple Object Access Protocol
Simplification
analyses
data structure
functionality
Simplification list 60, 80, 147, 330, 340,
507, 521
categories341
items
Cingle client systems 460
Single-client system
Sizing
Sizing report
SL Toolset
SLD
SLO

$SLT \rightarrow SAP$ Landscape Transformation
Smart product
Smart services
SNC
SOA Manager 517
SOAP 126, 284
Soft financial close 111
Software as a Service 70, 101, 115, 193, 311
Software component 364
Software Download Center 316
Software Logistics Toolset
Software Provisioning Manager 317
Software Update Manager 150, 317, 333
analysis file 367
default procedure 368
downtime 367
downtime optimization 370
system conversion 363, 368
Solution Builder 166, 319
Solution Manager \rightarrow SAP Solution
Manager
Solution scope file 320
Source structure
display mapping449
edit 445
Source system, integration with SAP Data
Services 405
Sourcing
Sourcing 243 strategic 65 SPAM 316
Sourcing
Sourcing 243 strategic 65 SPAM 316 SPAU adjustment 318 Spot quote 246
Sourcing 243 strategic 65 SPAM 316 SPAU adjustment 318 Spot quote 246 Sprinklr 286
Sourcing 243 strategic 65 SPAM 316 SPAU adjustment 318 Spot quote 246 Sprinklr 286 SQL 351
Sourcing 243 strategic 65 SPAM 316 SPAU adjustment 318 Spot quote 246 Sprinklr 286 SQL 351 SQL Monitor 351
Sourcing 243 strategic 65 SPAM 316 SPAU adjustment 318 Spot quote 246 Sprinklr 286 SQL 351 SQL Monitor 351 SQLScript 351
Sourcing 243 strategic 65 SPAM 316 SPAU adjustment 318 Spot quote 246 Sprinklr 286 SQL 351 SQL Monitor 351 SQLScript 351 Stack XML 345, 347, 364
Sourcing 243 strategic 65 SPAM 316 SPAU adjustment 318 Spot quote 246 Sprinklr 286 SQL 351 SQL Monitor 351 SQLScript 351 Stack XML 345, 347, 364 Staging 438
Sourcing 243 strategic 65 SPAM 316 SPAU adjustment 318 Spot quote 246 Sprinklr 286 SQL 351 SQL Monitor 351 SQLScript 351 Stack XML 345, 347, 364 Staging 438 Staging area 229, 394, 419
Sourcing 243 strategic 65 SPAM 316 SPAU adjustment 318 Spot quote 246 Sprinklr 286 SQL 351 SQL Monitor 351 SQLScript 351 Stack XML 345, 347, 364 Staging 438 Staging area 229, 394, 419 Standard software 189
Sourcing 243 strategic 65 SPAM 316 SPAU adjustment 318 Spot quote 246 Sprinklr 286 SQL 351 SQL Monitor 351 SQLScript 351 Stack XML 345, 347, 364 Staging 438 Staging area 229, 394, 419 Standard software 189 Standardization 468
Sourcing 243 strategic 65 SPAM 316 SPAU adjustment 318 Spot quote 246 Sprinklr 286 SQL 351 SQL Monitor 351 SQLScript 351 Stack XML 345, 347, 364 Staging 438 Staging area 229, 394, 419 Standard software 189 Standardization 468 Starter system 195
Sourcing 243 strategic 65 SPAM 316 SPAU adjustment 318 Spot quote 246 Sprinklr 286 SQL 351 SQL Monitor 351 SQLScript 351 Stack XML 345, 347, 364 Staging 438 Staging area 229, 394, 419 Standard software 189 Standardization 468 Starter system 195 Subscription 183
Sourcing 243 strategic 65 SPAM 316 SPAU adjustment 318 Spot quote 246 Sprinklr 286 SQL 351 SQL Monitor 351 SQLScript 351 Stack XML 345, 347, 364 Staging 438 Staging area 229, 394, 419 Standard software 189 Standardization 468 Starter system 195 Subscription 183 Subscription model 120
Sourcing 243 strategic 65 SPAM 316 SPAU adjustment 318 Spot quote 246 Sprinklr 286 SQL 351 SQL Monitor 351 SQLScript 351 Stack XML 345, 347, 364 Staging 438 Staging area 229, 394, 419 Standard software 189 Standardization 468 Starter system 195 Subscription 183

Supplier invoice244
Supplier quick enablement
Supply Chain Management 52, 273
Support 467
Support Package Manager 316
SurveyMonkey286
SWPM
System
global 532, 545
logical485, 510
regional532, 545
transactional532
System consolidation 154, 458, 467, 530,
539
System conversion 140, 146, 329, 527,
535, 539
after company code deletion 481
conversion paths
downtime
one-step procedure332, 338
project phases332
requirements
system group
system landscape
technical
System copy
System group
System group, landscape transformation 467
System landscape 334, 481
data 345
decentralized533
deployment options541
simplification38
strategy 532
System Landscape Directory 345
System Landscape Optimization 459
System requirement
System switch upgrade procedure 365
Т
Table
<i>ACTDOCA</i> 42
custom 129

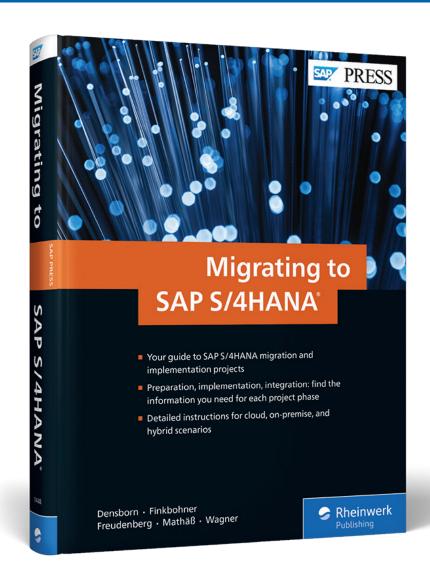
MATDOC42

Target architecture	107	Transaction data	380
Target landscape		Transaction Manager	
TCO		Transaction rule	
Template, global		Transactional app	
Test		Transfer structure	
Test case		Transformation → Landscape	22
Test concept		transformation	
Test run		Transport Layer Security	100
Test script		Transport route	
Test system		Transport system	
deployment		Trial system	
Test variant		clients	
Theming Three-system landscape		on-premise180	
		*	
Tile, live tile		transformation	
Time recording		Troubleshooting	
Time to value		Twitter	
TLS		Two-step procedure	
Total Cost of Ownership		Two-system landscape	
Trade-off		Type conversion	410
Training	62		
Transaction		U	
BD64			
BD87		UI → User interface	
BDBG	,	UI technology	
FAGLF03		Unicode	
GCAC		Universal Journal 42, 48, 11	
KA23		Universal Journal, account assignme	nt
LSMW		491	
LTMC	438	Update Manager → Software Update	
LTMOM		Manager	
SAINT	318	Upgrade8	1, 116
SALE	510	Usage analysis	
SCI	351, 355	Usage Procedure Logging (UPL)	350
SM59	510	User	
SNOTE	318	authentication	200
SPAM	318	harmonization	47
SPAU	318, 362	technical	190
SPDD	362	User administration, options	202
STO3	372	User exit	473
SYCM	354	User experience	34, 43
usage analysis	372	User extensibility	
WEO2	434	User interface	
WEO5		enhancement	12
WE20	435, 511	simplification	
WE21	511	User interface → User interface	

Jser maintenance, SAP S/4HANA Cloud, starter system 196	W
JX	Warehouse management
	Waterfall model 157
/	Web Dispatcher 90, 323
	Web Intelligence → SAP BusinessObjects
'alidation 426	Web Intelligence
technical464	Web servers
alidation function 428	Work process435
alidation rules	Workload Monitor 372
'alue mapping 419, 474	World template 179
alue mapping, Central Finance 487	Wrapper function module 441
'ariable, global → Global variable	••
'DM96	Χ
'iew 226	7.
'irtual data model96	XPRA87
	X-Ray93
	•







Densborn, Finkbohner, Freudenberg, Mathäß, Wagner

Migrating to SAP S/4HANA

569 Pages, 2017, \$89.95 ISBN 978-1-4932-1448-8



www.sap-press.com/4247



Frank Densborn is a product manager for SAP S/4HANA Data Migration. He's the scenario owner for data migration to SAP S/4HANA (new implementation scenario) and the owner of SAP's Rapid Data Migration packages, working in the S/4HANA Foundation team.



Frank Finkbohner joined SAP in 1999 and is now the delivery manager for the pre-defined Data Migration content for the SAP S/4HANA cloud solution. Before this, he worked for 13 years at SAP Consulting, supporting customers developing new or enhancing existing SAP functions.



Dr. Jochen Freudenberg is the head of the Development Landscape Management—Architecture department at SAP, dealing with the definition of development system landscapes and delivery architecture for SAP products.



Kim Mathäß is a product manager for SAP S/4HANA data management and migration at SAP. As senior consultant and business development manager, he has conducted numerous projects at both international enterprises and European medium-sized corporations.



Frank Wagner is a product expert within SAP S/4HANA product development. Responsible for the Simplification List for SAP S/4HANA, he provides tools and approaches to support customers on their transition to SAP S/4HANA, on-premise edition. He joined SAP in 1998, and has since worked within SAP's consul-

ting, support, and development organizations.

We hope you have enjoyed this reading sample. You may recommend or pass it on to others, but only in its entirety, including all pages. This reading sample and all its parts are protected by copyright law. All usage and exploitation rights are reserved by the author and the publisher.