

SAP S/4HANA Migration Cockpit (SAP S/4HANA 1909) Transfer Data Directly from SAP system

June, 23rd 2020 Claudia Gemm, Sybille Lackermeier – Product Management SAP S/4HANA Migration Cockpit

PUBLIC



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Agenda

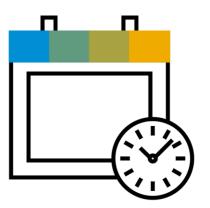
Short Recap – Your way to SAP S/4HANA

SAP S/4HANA Migration Cockpit

- Overview Different Migration Approaches
- In Detail: Transfer Data Directly from SAP System
- Demo

Further Information

Key Takeaways

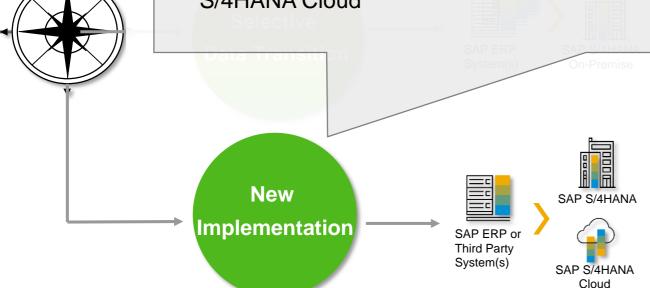


Introduction to Data Migration Three transition scenarios Modernization Start Rapid **System REUSE SAP S/4HANA** Conversion by in-place conversion Selective Business Process Optimization **Selective** Customer-tailored **SAP S/4HANA Data Transition** REENGENEERING with data migration **Business Model** New Innovation **SAP S/4HANA Cloud Implementation Highly Standardized SAP S/4HANA** fueled with best practices & based on a clean core

Your way to SAP S/4HANA

SAP S/4HANA Migration Cockpit

- Part of SAP S/4HANA and SAP S/4HANA Cloud (included in these licenses)
- Supports customers with the New Implementation scenario
- SAP's recommended approach for the migration of business data to SAP S/4HANA and SAP S/4HANA Cloud



Implementation or System Conversion together with complementing expert functions which are not released to general availability

→ Delivery model: as a service / consulting project

New implementation / re-implementation

- Reengineering and process simplification based on latest innovations
- Highly standardized, fueled with best practices & based on a clean core
- Implement innovative business processes with preconfigured best practice content on an innovative platform
- Migrate your master data & retire old landscape
- → Delivery model: included in SAP S/4HANA shipment



SAP S/4HANA Migration Cockpit Different Migration Approaches



SAP S/4HANA Migration Cockpit – Three Migration Approaches



Transfer data using files

- Download template file for relevant migration object
- Populate file with relevant business data
- Upload file to the SAP S/4HANA migration cockpit







Transfer data using staging tables

- Staging tables are created automatically (in an SAP HANA DB schema)
- Populate staging tables with business data
- Transfer data from staging tables to target SAP S/4HANA system







Transfer data directly from SAP System (new with SAP S/4HANA 1909)

- Transfer data from SAP ERP source system to target SAP S/4HANA system
- Access source system via RFC connection
- Supports data migration scenarios from other applications
 e.g. from SAP Apparel and Footwear (SAP AFS) to SAP S/4 Fashion and Vertical Business, SAP Extended Warehouse Management (SAP EWM) to Decentralized EWM



7

New Migration Approach Transfer Data Directly from SAP system



SAP S/4HANA Migration Cockpit – Transfer Data Directly from SAP System

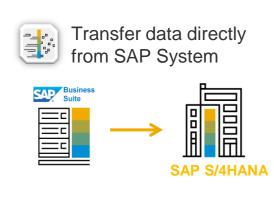


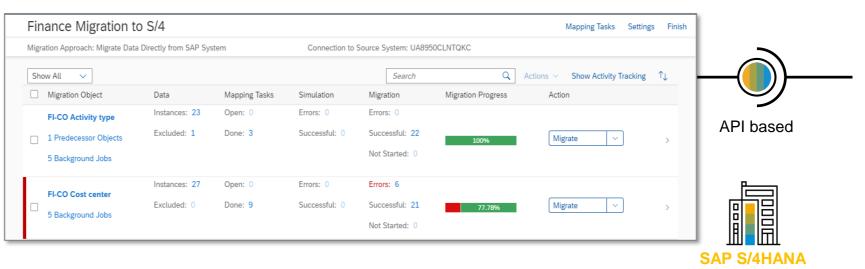
New migration approach with SAP S/4HANA 1909

Data Provisioning

Process & Content

Data Load





SAP S/4HANA1909:



Available for:

- SAP ERP 6.0 to SAP S/4HANA
- SAP Apparel and Footwear Solution (SAP AFS) 6.0 to SAP S/4HANA
- SAP Extended Warehouse Management to Decentralized EWM based on SAP S/4HANA
- SAP CRM to SAP S/4HANA for Customer Management*

* from 1909 FPS01 onwards

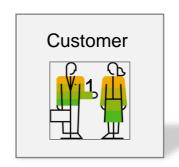
SAP S/4HANA Migration Cockpit – Preconfigured Migration Content

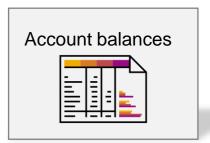


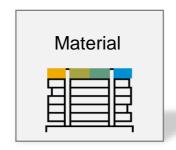


- Content covers best practice migration objects
- Preconfigured content and mapping for each migration object, e.g. Bank Account, Material, Account Balance
- Predefined selection criteria depending on migration scenario
- Automated mapping between source and target structure
- Migration programs are automatically generated no programming required by the customer
- Available for SAP S/4HANA, included in licenses

Examples migration objects:









SAP S/4HANA Migration Cockpit - Migration Object Modeler

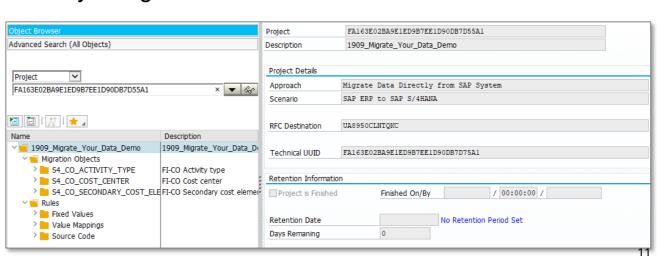




Flexible and Extendable

- Create user-defined migration objects using a wizard
- Add customer tables or fields to a standard migration object or to a new migration object
- Add or change selection criteria of standard migration objects or user-defined migration objects
- Edit transformation rules
- Use standard APIs or code your function module
- Mapping download and upload
- Debug the transformation and/or the posting process by using the "Test" button in the modeler screen







Technical preconditions and preparations



Technical Preconditions

- SAP ERP to SAP S/4HANA, the lowest supported ERP release is ERP 6.0 (SAP NetWeaver 7.0), SAP Note 2836748
- SAP Apparel and Footwear (SAP AFS) to SAP S/4HANA, the supported release is AFS 6.0, <u>SAP Note 2836840</u>
- SAP EWM to Decentralized EWM, the lowest supported EWM release is EWM 5.1 (SAP NetWeaver 7.0).
- SAP CRM to SAP S/4HANA for Customer Management (SAP CRM 7.0)

Necessary preparations in the system landscape

- The add-on DMIS_2011 SP17 or higher needs to be installed in the source system (included in the license for SAP S/4HANA 1909)
- RFC connection from ERP/AFS/EWM/CRM source to SAP S/4HANA target system
- Setup FIORI
- Apply necessary notes: Start with <u>Composite SAP Note 2747566</u>
- 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)
- Ensure availability of required authorizations
- For required roles, please check the installation guide (chapter 7)



Process-related preparations



Define a mapping strategy between SAP source and SAP S/4HANA target

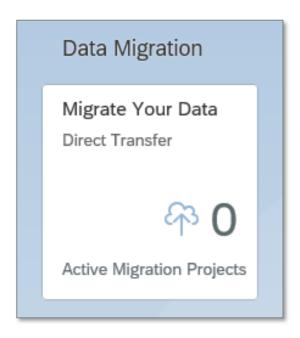
- Standard APIs are used to load the data into SAP S/4HANA target system
- Where configuration in the source deviates from the configuration in the target, adequate mappings have to be defined upfront, such as rename of organizational units, cost centers, document types,
- In case of questions carefully check the object-related documentation

Test and productive migration

- Test migration
 - The data transfer process is client-specific, so you create your project in the client on the receiver system that should receive the data to be migrated.
 - You execute several test data migrations before you run the data migration in the production systems.
- Mapping value download and upload
 - You can download mapping values of your previous test and upload them into your new project. This functionality is available in the migration object modeler.

Start the App



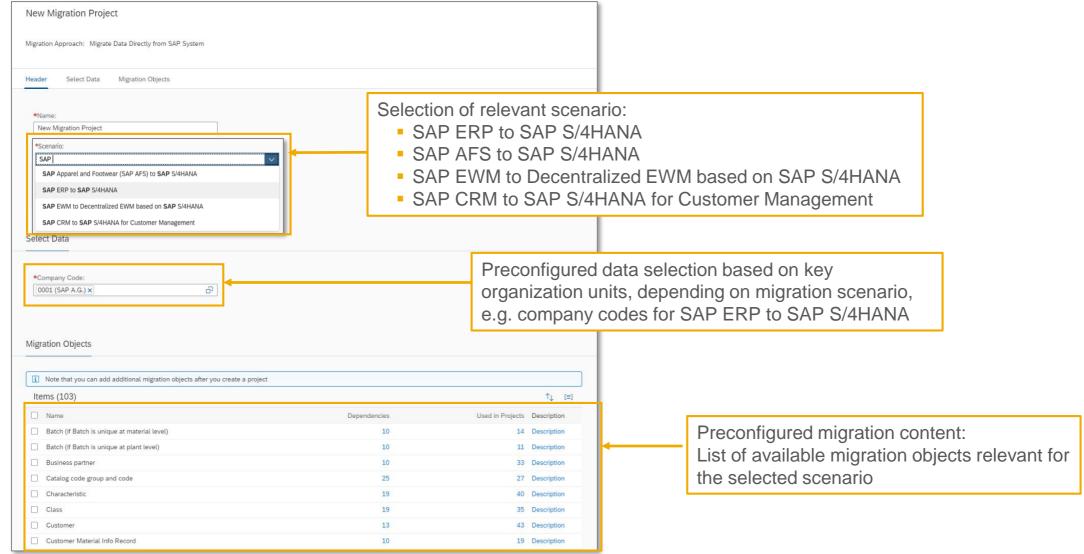


Start the "Migrate Your Data" app

SAP S/4HANA Migration Cockpit – Direct Transfer

SAP S/4HANA

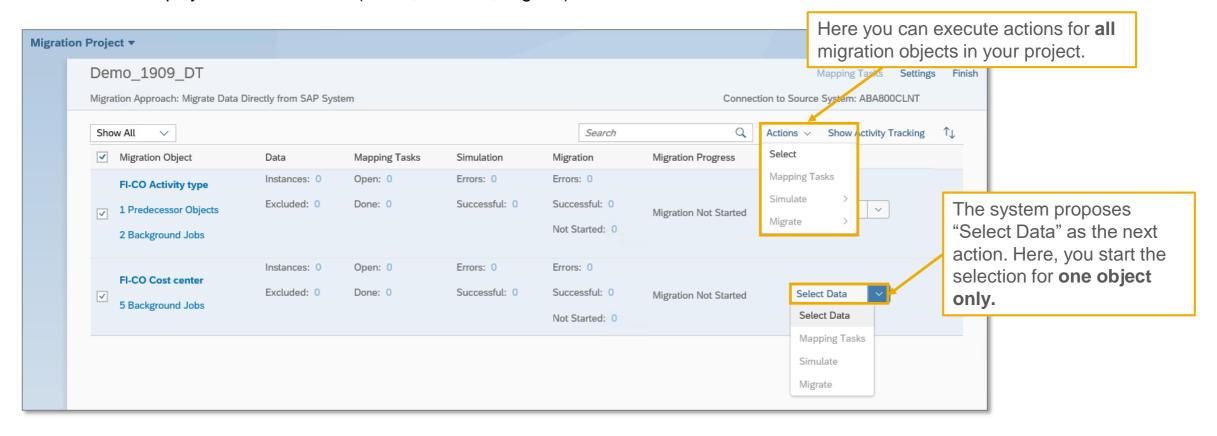
Create new Migration Project



SAP S/4HANA

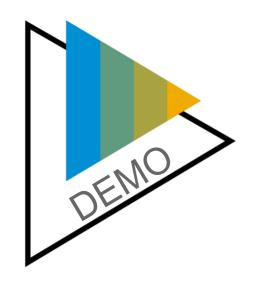
Migration Process

The migration cockpit guides you through the various steps of the data migration. You can also flexibly choose which steps you want to do next (select, simulate, migrate).



SAP S/4HANA

Demo - Steps Executed in the System



- (1) Create a migration project (in the SAP S/4HANA target system)
- (2) Select data from the ERP source system
- (3) Specify mapping values
- (4) Simulate the migration
- (5) Migrate the data



Short Video on SAP S/4HANA Migration Cockpit - Direct Transfer

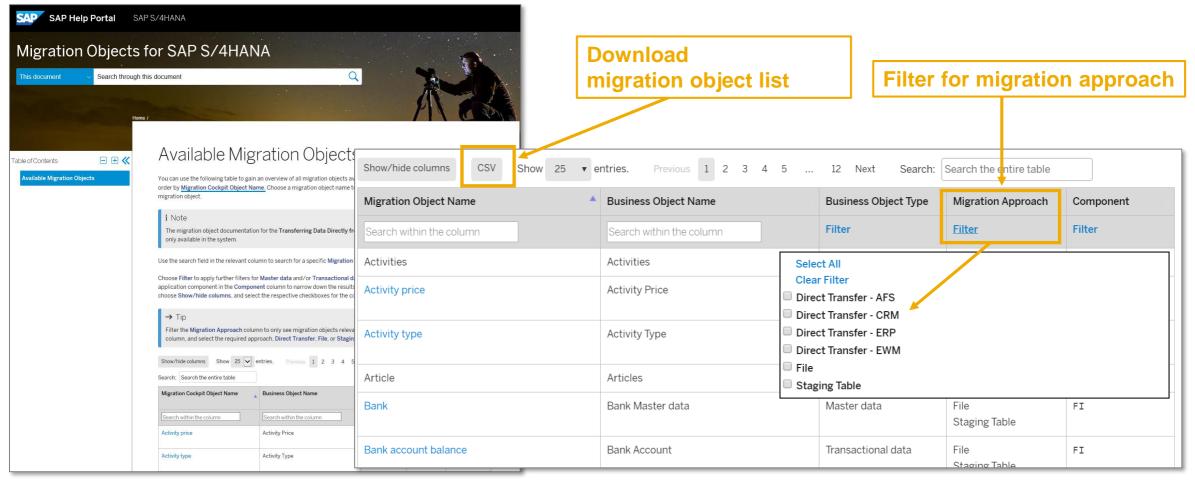
SAP S/4HANA Migration Cockpit Further Information



SAP S/4HANA Migration Cockpit



Preconfigured migration objects SAP S/4HANA





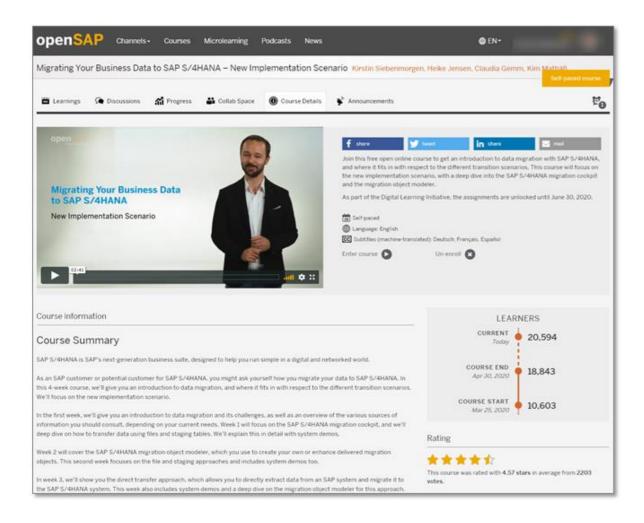
Migration object list in SAP Help Portal (SAP S/4HANA Cloud)

Migration object list in SAP Help Portal (SAP S/4HANA)

Filter depending on selection SAP S/4HANA or SAP S/4HANA Cloud

SAP S/4HANA Migration Cockpit

openSAP Course: Migrate your Business Data to SAP S/4HANA

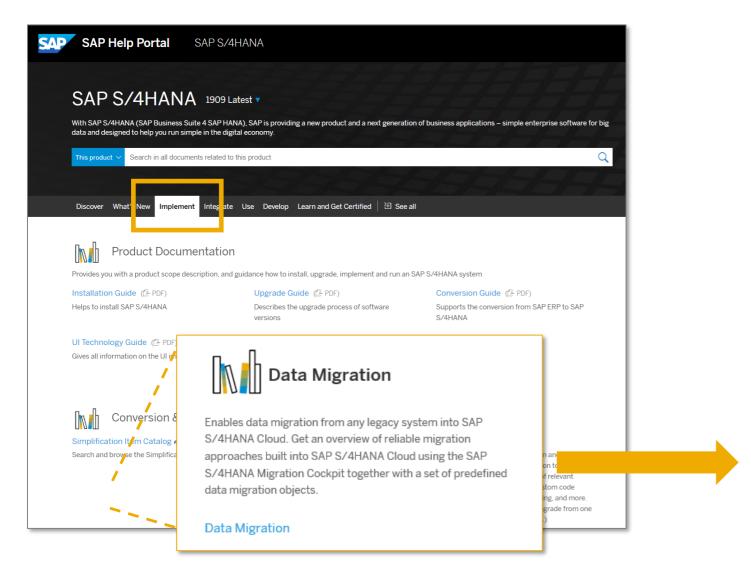


Week	Content based on SAP S/4HANA 1909
1	SAP S/4HANA Migration Cockpit
2	Migration Object Modeler (File/Staging)
3	SAP S/4HANA Migration Cockpit – Direct Transfer Approach
4	Additional Migration Topics
5	Final Exam

https://open.sap.com/courses/s4h16

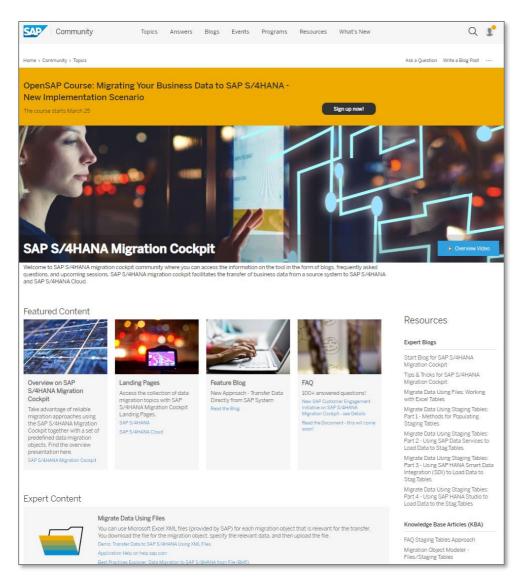
Data Migration Landing Page on **SAP S/4HANA SAP Help Portal**







SAP S/4HANA Migration Cockpit - Community



One-stop shop – access for everybody

- Latest news
- How-to Guides
- Q&A section
- Blogs

https://community.sap.com/topics/ s4hana-migration-cockpit

Preconfigured SAP S/4HANA Sandbox System

SAP S/4HANA Migration Cockpit Exercises Integrated

SAP S/4HANA Trial System (External Link): https://www.sap.com/cmp/oth/crm-s4hana/s4hana-on-premise-trial.html

Product Information

Joerg Wolf Ser

April 23, 2019 6 minute read

SAP S/4HANA Fully-Activated Appliance: Demo Guides

18 Likes 28,223 Views 23 Comments

This blog gives information on the pre-configured sample demo scenarios in the SAP S/4HANA Fully-Activated Appliance. If you stumbled across this blog "by accident" and are interested in bringing up your own preconfigured SAP S/4HANA sandbox system within a few hours, please see this overview for the SAP S/4HANA Fully-Activated Appliance.

Direct links to the most recent appliance releases in SAP CAL are: SAP S/4HANA 1909 FPS01 / SAP S/4HANA 1909 SP00

Table of content

- A) Demo guides (valid for various appliance releases)
- B) General remarks on the demo guides (scope, support,)
- C) Post-deployment steps
- D) System log-on
- E) Archive: Demo guides for earlier appliance releases

Demo Scripts for SAP S/4HANA Migration Cockpit

- File Approach
- Staging Approach
- Migration Object Modeler (file/staging)
- Direct Transfer from SAP ERP

https://blogs.sap.com/2019/04/23/sap-s4hana-fully-activated-appliance-demo-guides/

System access for externals

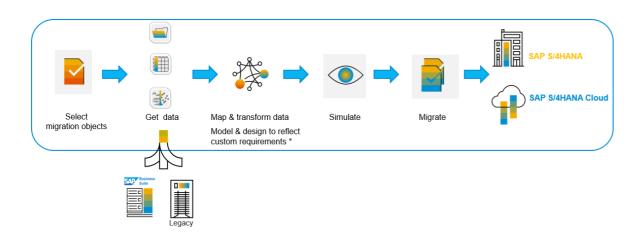
External CAL: https://cal.sap.com/catalog#/solutions/52c66f34-9174-4692-b64d-4c34b955d9bc

SAP S/4HANA Migration Cockpit Key Takeaways



Key Takeaways and Where to Find Additional Information SAP S/4HANA Migration Cockpit – The Next-Generation Data Migration Software

- Included in SAP S/4HANA and SAP S/4HANA Cloud license and shipment
- Made for migrating data from SAP and non-SAP sources into SAP S/4HANA and SAP S/4HANA Cloud
- Guided procedure takes users through the migration process:
 Easy and safe, no programming required
- Flexible for integration of custom business data including data transformations



Migration Approach

Data Transfer



Transfer data using files



Transfer data using staging tables



Transfer data directly from SAP system

Predefined SAP S/4HANA-Specific Migration Content facilitates and accelerates your data migration

- Preconfigured content and mapping for available migration objects, e.g. customers
- Automated mapping between template and target structure
- Migration programs are generated automatically

Customer-Specific Migration Content

can be flexibly included

- Integration of customer-built objects
- Customer-specific enhancements to SAP standard objects (e.g. add new fields)

Thank you.

Contact information:

SAP S/4HANA Migration Cockpit

sap_s4hana_migration_cockpit@sap.com



Short Recap: MTE Sessions on the SAP S/4HANA Migration Cockpit





MTE: SAP S/4HANA Migration Cockpit for New Implementations

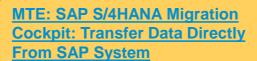
The SAP S/4HANA Migration Cockpit is SAP's standard solution to migrate business data for new implementation scenarios of SAP S/4HANA Cloud or SAP S/4HANA – **Get an overview with focus on S/4HANA (file/staging).**



MTE: SAP S/4HANA Migration Object Modeler (File/Staging)

The SAP S/4HANA migration object modeler is the modelling environment for the SAP S/4HANA Migration Cockpit.

This session covers the migration object modeler capabilities with a focus on the file/staging approach.



This session covers the new migration approach to transfer data directly from an SAP system



MTE: SAP S/4HANA Migration Object Modeler (Direct Transfer)

This session covers the migration object modeler capabilities with a focus on the direct transfer approach.

Planned for June 2020

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