

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

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

**PUBLIC** 



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## Agenda

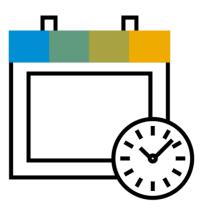
### Short Recap – Your way to SAP S/4HANA

### **SAP S/4HANA Migration Cockpit**

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

### **Further Information**

**Key Takeaways** 

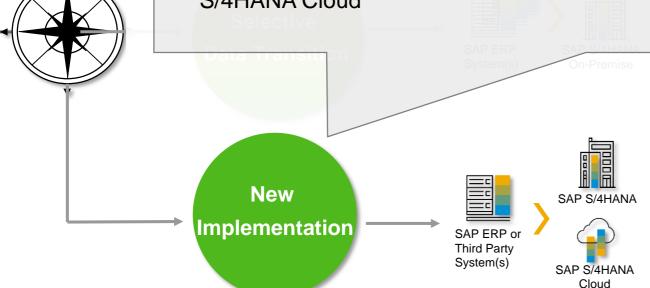


**Introduction to Data Migration** Three transition scenarios Modernization Start Rapid **System REUSE SAP S/4HANA** Conversion by in-place conversion Selective Business Process Optimization **Selective** Customer-tailored **SAP S/4HANA Data Transition** REENGENEERING with data migration **Business Model** 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



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# New Migration Approach Transfer Data Directly from SAP system



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

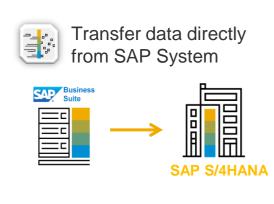


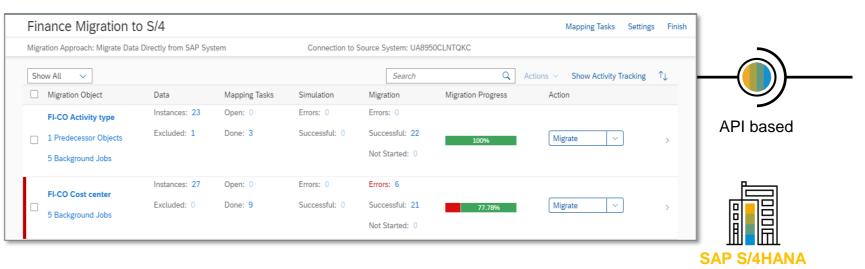
New migration approach with SAP S/4HANA 1909

### **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

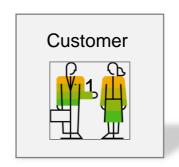
## **SAP S/4HANA Migration Cockpit – Preconfigured Migration Content**

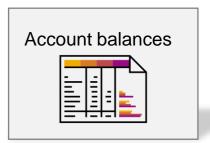


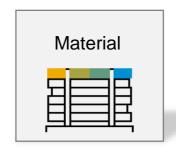


- Content covers best practice migration objects
- Preconfigured content and mapping for each migration object, e.g. Bank Account, Material, Account Balance
- Predefined selection criteria depending on migration scenario
- Automated mapping between source and target structure
- Migration programs are 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

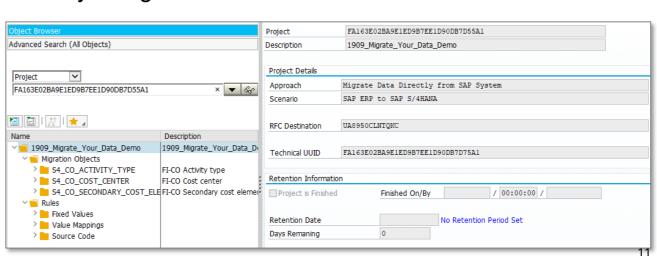




### Flexible and Extendable

- 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

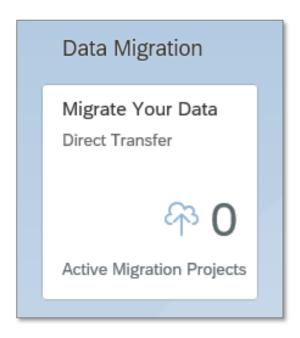
- Standard APIs are used to load the data into SAP S/4HANA target system
- Where configuration in the source deviates from the configuration in the target, adequate mappings have to be defined upfront, such as rename of organizational units, cost centers, document types, ....
- In case of questions carefully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



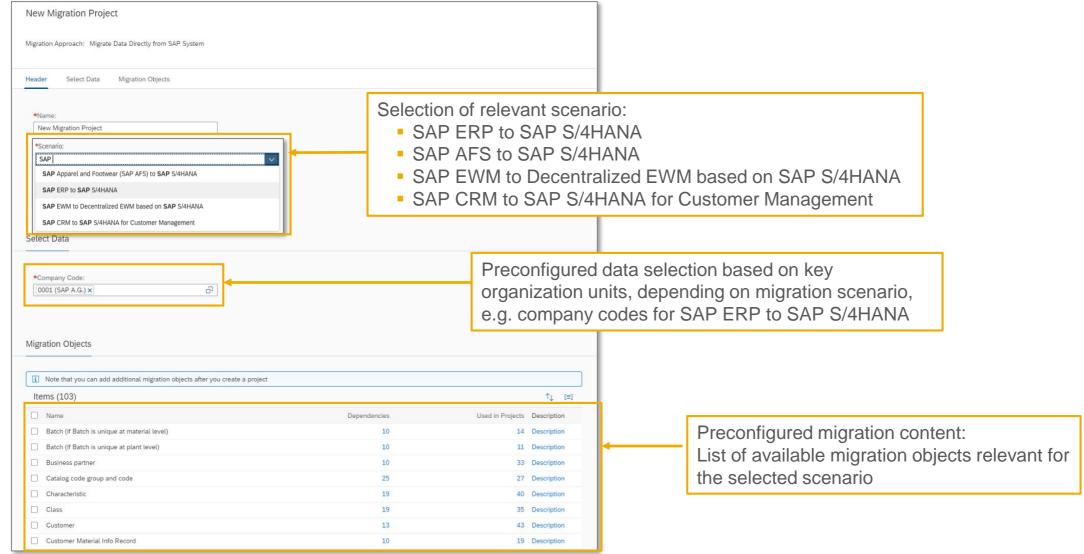


Start the "Migrate Your Data" app

### **SAP S/4HANA Migration Cockpit – Direct Transfer**

# SAP S/4HANA

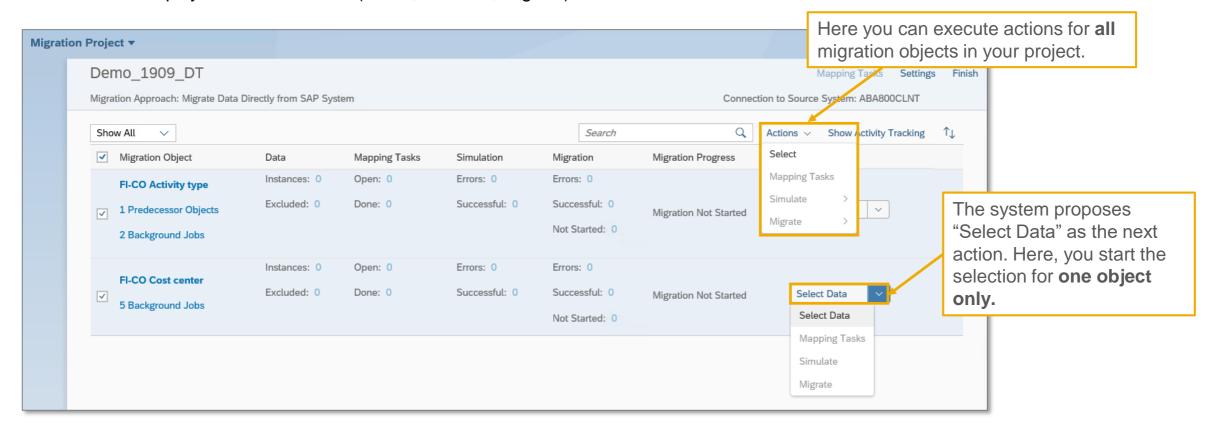
### Create new Migration Project



# SAP S/4HANA

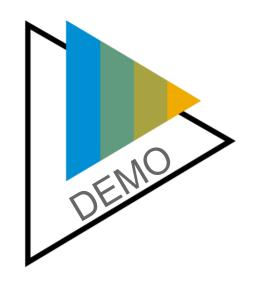
### **Migration Process**

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

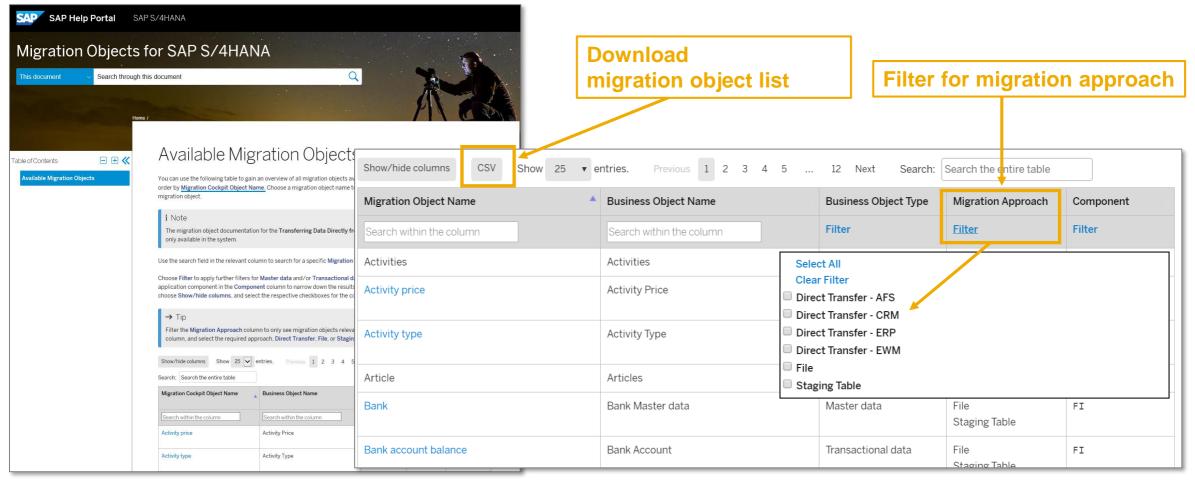
# SAP S/4HANA Migration Cockpit Further Information



## **SAP S/4HANA Migration Cockpit**



### Preconfigured migration objects SAP S/4HANA





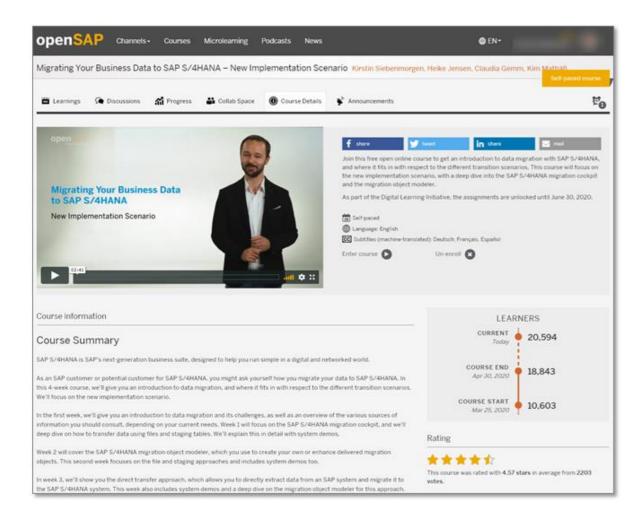
Migration object list in SAP Help Portal (SAP S/4HANA Cloud)

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

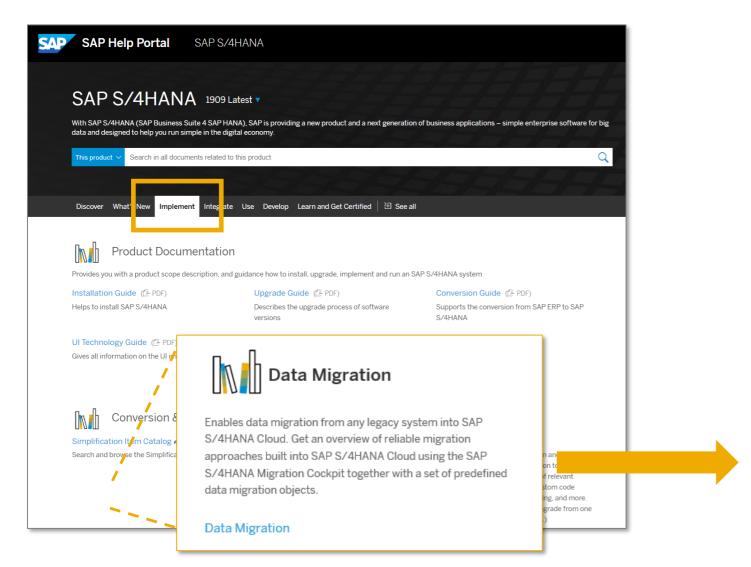


Week	Content based on SAP S/4HANA 1909
1	SAP S/4HANA Migration Cockpit
2	Migration Object Modeler (File/Staging)
3	SAP S/4HANA Migration Cockpit – Direct Transfer Approach
4	Additional Migration Topics
5	Final Exam

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

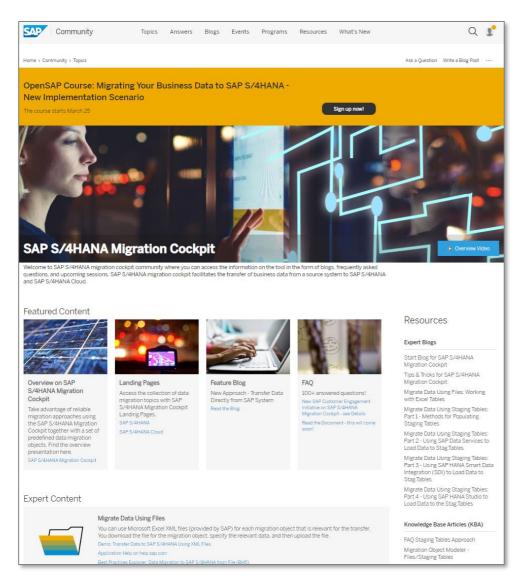
### Data Migration Landing Page on **SAP S/4HANA SAP Help Portal**







## **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): <a href="https://www.sap.com/cmp/oth/crm-s4hana/s4hana-on-premise-trial.html">https://www.sap.com/cmp/oth/crm-s4hana/s4hana-on-premise-trial.html</a>

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

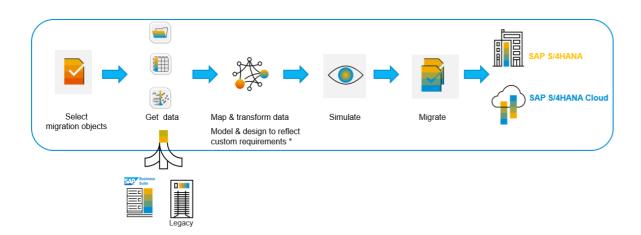
External CAL: https://cal.sap.com/catalog#/solutions/52c66f34-9174-4692-b64d-4c34b955d9bc

# 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

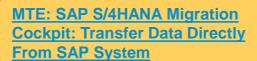
The SAP S/4HANA Migration Cockpit is SAP's standard solution to migrate business data for new implementation scenarios of SAP S/4HANA Cloud or SAP S/4HANA – **Get an overview with focus on S/4HANA (file/staging).** 



# 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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