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

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Claudia Gemm, Sybille Lackermeier – Product Management SAP S/4HANA Migration Cockpit
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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

- **REUSE** by in-place conversion
  - System Conversion
  - SAP S/4HANA

- **REENGENEERING** with data migration
  - Selective Data Transition
  - SAP S/4HANA
  - SAP S/4HANA Cloud

- Customer-tailored
  - New Implementation
  - SAP S/4HANA

Highly Standardized 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

**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
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

Transfer data directly from SAP System

## Process & Content

### Finance Migration to S/4

<table>
<thead>
<tr>
<th>Migration Approach</th>
<th>Data Migration Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>FI/CO Activity type</td>
<td>Instances: 23, Open: 0, Errors: 0, Migration: 0</td>
</tr>
<tr>
<td>1 Predecessor Object</td>
<td>Included: 1, Done: 3, Successful: 0, Migration: 22</td>
</tr>
<tr>
<td>5 Background Jobs</td>
<td>Not Started: 0</td>
</tr>
</tbody>
</table>

### FI/CO Cost center

<table>
<thead>
<tr>
<th>Migration Approach</th>
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</tr>
</thead>
<tbody>
<tr>
<td>FI/CO Cost center</td>
<td>Instances: 27, Open: 0, Errors: 0, Migration: 0</td>
</tr>
<tr>
<td>5 Background Jobs</td>
<td>Not Started: 0</td>
</tr>
</tbody>
</table>

## Data Load

API based

### SAP S/4HANA 1909: 100+ Migration objects

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

Key Benefits

- 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:

- Customer
- Account balances
- Material
- Pricing condition
SAP S/4HANA Migration Cockpit - Migration Object Modeler

Flexible andExtendable

- 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
Transfer Data Directly From SAP System
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, [SAP Note 2836840]
- 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 [Composite SAP Note 2747566]
- 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)
Transfer Data Directly From SAP System

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.
Transfer Data Directly From SAP System
Start the App

Data Migration
Migrate Your Data
Direct Transfer
Active Migration Projects

Start the “Migrate Your Data” app
Create new Migration Project

**Preconfigured migration content:**
- List of available migration objects relevant for the selected scenario

**Preconfigured data selection based on key organization units, depending on migration scenario, e.g. company codes for SAP ERP to SAP S/4HANA**

**Selection of relevant scenario:**
- SAP ERP to SAP S/4HANA
- SAP AFS to SAP S/4HANA
- SAP EWM to Decentralized EWM based on SAP S/4HANA
- SAP CRM to SAP S/4HANA for Customer Management
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).

The system proposes “Select Data” as the next action. Here, you start the selection for **one object only**.

Here you can execute actions for all migration objects in your project.
Transfer Data Directly From SAP System
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
Preconfigured migration objects SAP S/4HANA

Download migration object list
Filter for migration approach

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

Enables data migration from any legacy system into SAP S/4HANA Cloud. Get an overview of reliable migration approaches built into SAP S/4HANA Cloud using the SAP S/4HANA Migration Cockpit together with a set of predefined data migration objects.

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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


Demo Scripts for SAP S/4HANA Migration Cockpit
- File Approach
- Staging Approach
- Migration Object Modeler (file/staging)
- Direct Transfer from SAP ERP


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.

MTE: SAP S/4HANA Migration Cockpit: Transfer Data Directly From SAP System
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