



# Data Migration

Generated on: 2026-06-18 21:08:24 GMT+0000

SAP S/4HANA | 2025 FPS01 (Feb 2026)

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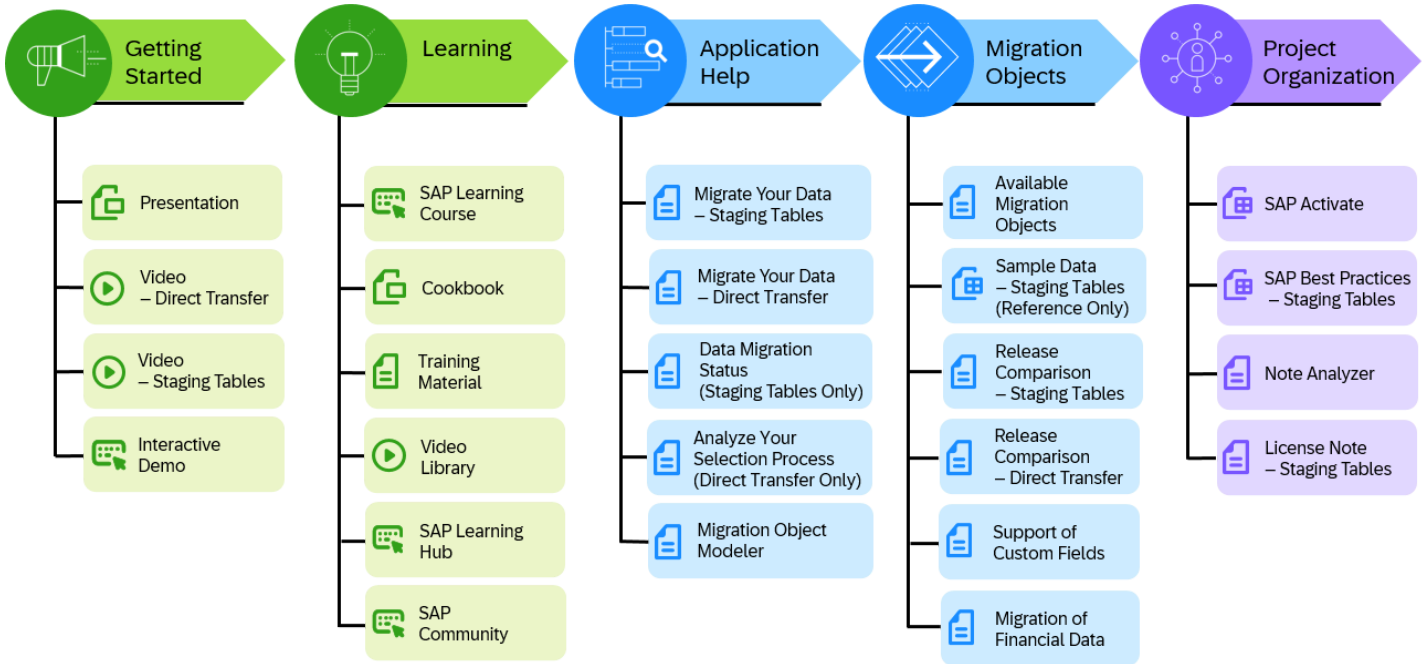
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# Data Migration

You can migrate your business data to SAP S/4HANA with the SAP S/4HANA migration cockpit. There are two migration approaches: **Migrate Data with Staging Tables** and **Migrate Data Directly from SAP System**.

## Landing Page

The following image map gives you an overview of useful links to resources about data migration. Depending on your level of expertise, go to the category that is relevant for you. Choose an element to follow the link to the resource. As a beginner, we recommend that you start with the material linked in **Getting Started**.



Please note that image maps are not interactive in PDF outputs.

## Quick Info

Use these SAP Help Portal aliases to access the following sections of our product assistance:

Type this in your browser...	To jump to...
<a href="https://help.sap.com/S4_OP_DM">https://help.sap.com/S4_OP_DM</a>	this very topic: Data Migration
<a href="https://help.sap.com/S4_OP_MO">https://help.sap.com/S4_OP_MO</a>	the entry topic: Available Migration Objects
<a href="https://help.sap.com/S4_OP_DM_STATUS">https://help.sap.com/S4_OP_DM_STATUS</a>	the entry topic: Data Migration Status

## Note Analyzer

We recommend that you regularly check if all correction notes for the proper use of the SAP S/4HANA migration cockpit are implemented, including the installation of add-on DMIS and the respective components in SAP S/4HANA. To check, run transaction CNV\_NA\_MC. Also see SAP Note [3016862](#).

## License Note SAP S/4HANA

In addition to the standard options of using either a full-use version of SAP HANA (i.e. SAP HANA, enterprise edition) or the SAP tools provided as Runtime Software with SAP HANA, runtime edition, it is possible to utilize a 3rd party ETL tool to populate the staging tables for the SAP S/4HANA migration cockpit.

In this case, the staging tables will be created by the SAP S/4HANA migration cockpit in a dedicated schema, either in the same database tenant where SAP S/4HANA is installed or a separate dedicated database tenant. Such a schema can then be configured as a remote database connection enabling connectivity and filled by a 3rd party ETL tool solely for the purpose of consumption by the S/4HANA migration cockpit.

For the avoidance of doubt, the tables may not be used for any kind of processing by SAP HANA outside of SAP S/4HANA migration cockpit, including, but not limited to, calculation view modeling, custom SAP HANA Extended Application Services (XS) applications, and other processing by SAP HANA engines. Furthermore, the use of such 3rd party tools to populate staging tables shall be limited to the timeframe during which a migration project is active in the SAP S/4HANA system installed in the same SAP HANA database tenant.

## Explore Migration Objects

**App ID:** F8638

With this app, you can check for predecessor migration objects (mandatory or optional) that need to be migrated before you can start the data migration process for a specific migration object. The app offers an interactive graph that helps you make informed decisions during project scoping and implementation. The graph shows the dependency of migration objects that are released or deprecated.

### **i Note**

This app is only relevant for the migration approach **Migrate Data Using Staging Tables**. It does not include configuration elements, such as organizational units, or data that is not migrated, for example, employees managed in external systems. For complete prerequisites, refer to the [Available Migration Objects](#).

## Key Features

You can use this app to do the following:

- Visualize how migration objects are interconnected.
- Distinguish between mandatory and optional predecessor migration objects in the dependency graph.
- Expand the dependent migration object node to display the corresponding dependencies.
- Navigate directly to documentation of a migration object corresponding to the current system version.

## Supported Device Types

- Desktop
- Tablet

## Service Activation and Authorization

To access this app, you need to activate services on business catalog level. For more information, see [Activating SAP Fiori Apps for Catalogs Via Task List SAP\\_FIORI\\_FCM\\_CATALOG\\_ACTIVATION](#).

Business Catalog: SAP\_CA\_BC\_MIG\_DATA (CA - Data Migration)

## View by Migration Object

### Context

You need to perform data migration for a migration object. Before that, you want to check for predecessor migration objects that need to be migrated first. Based on your findings, you can then plan the data migration process more efficiently.

### Procedure

1. Open the [Explore Migration Objects](#) app.
2. Use either the global search or the dedicated filter for migration objects.
3. Select the required migration object to view the details. View the dependency graph to understand which migration objects are mandatory predecessors that need to be migrated first. This is shown by a solid orange line. The optional predecessors migration objects are indicated by a dashed gray line. The migration objects are grouped by their domains.
4. Choose any of the predecessor migration objects to view its dependency on other migration objects. You can continue to expand the graph till you have all the required information.
5. Click on a migration object and select the icon for node links to access the documentation of the migration object that corresponds to your current system version.

## Migrate Your Data - Migration Cockpit

App ID: F3473

With this app, you can migrate business data to SAP S/4HANA. You can migrate data directly from certain SAP source systems, or you can use staging tables to migrate data.

### Key Features

You can use this app to do the following:

- Create migration projects to migrate data, and to monitor the status of the migration.
- Select the migration objects that are relevant for your migration scenario (the app uses migration objects to identify and transfer the relevant data).
- Process any mapping tasks for the migration objects.
- Simulate the migration before migrating your data to SAP S/4HANA, and monitor the status of the simulation process.
- Migrate your data to SAP S/4HANA, and monitor the status of the migration.

### Situation Handling

This app uses Situation Handling, which automatically informs users responsible about matters that require their attention. For more information, see [Situation Handling for Data Migration](#).

### Related Information

This is custom documentation. For more information, please visit [SAP Help Portal](#).

- [Migrate Your Data](#) in the SAP Fiori Apps Reference Library.
- See the [Data Migration](#) landing page.
- See the Data Migration to SAP S/4HANA from Staging ([202](#)) test script.

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<a href="http://help.sap.com/S4_OP_DM_STATUS">http://help.sap.com/S4_OP_DM_STATUS</a>	the entry topic: Data Migration Status

## Supported Device Types

- Desktop

# Migrate Data Using Staging Tables

The SAP S/4HANA migration cockpit creates staging tables for the migration objects that are relevant for your project and migrates data from these staging tables to the target SAP S/4HANA system.

Template files are provided for every migration object. You can use these template files to fill the staging tables with data. Alternatively, you can fill the staging tables by using your preferred tools (for example SAP Data Services).

### Where are the staging tables located?

When creating a migration project, you specify a location for the staging tables. If you use the option **Local SAP S/4HANA Database Schema**, the SAP S/4HANA migration cockpit will generate the staging tables in the local ABAP schema of the SAP S/4HANA system.

If you use the option **Remote SAP HANA Database Schema**, you specify the relevant connection to a remote SAP HANA system and the SAP S/4HANA migration cockpit will generate the staging tables there.

### i Note

#### Important information regarding the processing of personal data

Customers are responsible for the data in their systems, and also responsible for complying with local laws regarding data protection and privacy. SAP provide tools to support with this, such as data retention and read access logging.

Data protection legislation may require that personal data is deleted once the data has served its originally defined purpose and is also no longer subject to additional legal data retention requirements.

Data protection legislation may require that personal data is deleted once the data has no longer any purpose and is also no longer subject to additional legal data retention requirements. If data protection legislation is applicable in your case, then migrating personal data which should have been deleted could be interpreted as the processing of personal data without any legally justified purpose.

In this case, it is crucial to ensure that such personal data is not migrated to the target SAP S/4HANA system.

## i Note

### Preventing unauthorized access to data

Certain migration objects require additional authorizations for processing the data in the [Migrate Your Data](#) app. If you use the option [Remote SAP HANA Database Schema](#), you can view and modify the staging tables in the remote system.

Preventing unauthorized access to data is crucial. You therefore need to ensure that only authorized users can view and modify the relevant staging tables in the remote system.

## Roles and Authorizations

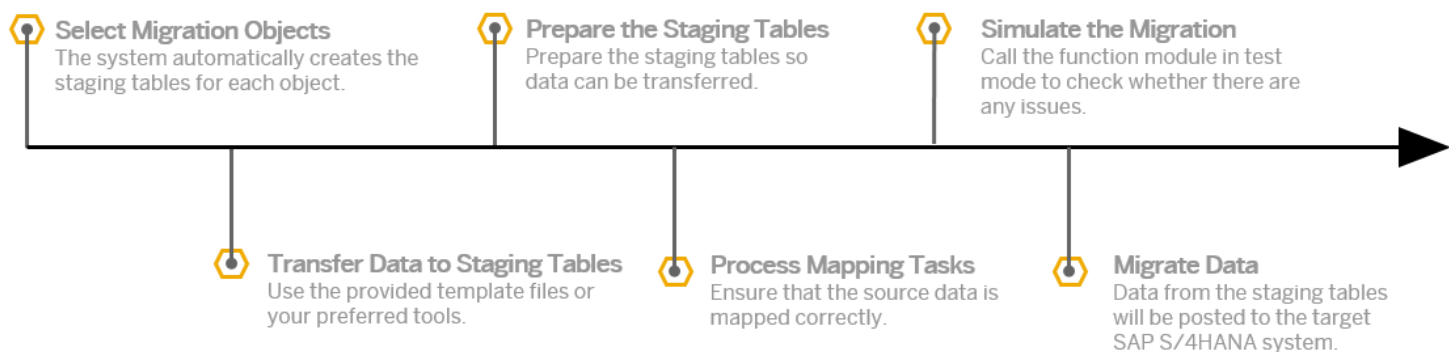
To transfer data using the SAP S/4HANA migration cockpit, a user with the role `SAP_CA_DMC_MC_USER` is required in the SAP S/4HANA system. This user must also have the role `SAP_BR_CONFIG_EXPERT_DATA_MIG` for the front-end server.

To use the SAP S/4HANA migration object modeler (transaction LTMOM), role `SAP_CA_DMC_MC_DEVELOPER` is required in the SAP S/4HANA system.

In addition, the corresponding role for each migration object is also required.

## The Migration Process

The diagram below illustrates the steps involved in the migration process.



A more detailed description of the process is outlined below:

1. In the SAP S/4HANA system, you access the SAP S/4HANA migration cockpit by choosing the [Migrate Your Data - Migration Cockpit](#) app in the Fiori Launchpad.
2. You create a migration project and select the migration objects that are relevant for your project. Migration objects are delivered by SAP and describe how to migrate data from the source system (which tables are needed and the relationships between the tables) to SAP S/4HANA.

Note that you typically first create a project in a test system which is a copy of the production SAP S/4HANA system. For each new test transfer, you create a new migration project that includes any corrections or refinements identified in the previous test. When you are finally ready to transfer your data to the production SAP S/4HANA system, you can create a project in the production system.

3. The system automatically creates staging tables for each migration object in the project. You need to decide how to fill these staging tables with data. You can use template files, or you can fill the staging tables by using your preferred tools (for

example SAP Data Services).

4. If you use template files to populate the staging tables with data, you download a template file for a migration object and enter the data to be migrated in the file. You then upload the completed file, and the system automatically transfers the contents of the file to the staging tables.
5. You prepare the staging tables for each migration object so that they can be used to transfer data to SAP S/4HANA.
6. For each migration object, you process any open mapping tasks.

There are mapping tasks associated with migration objects that must be processed before the migration can proceed. Examples of mapping tasks include **Value Mapping** tasks (where you specify target values for corresponding source values) and **Fixed Value** tasks (where you set default values for target fields).

7. Optional: You simulate the transfer of data to the target SAP S/4HANA system.
8. You migrate the data for the migration object to the target SAP S/4HANA system.
9. Optional: You use correction files to correct any errors that may have occurred during the migration.

## Creating Migration Projects

### Context

You use migration projects to facilitate the transfer of data from a source system to SAP S/4HANA. You use a migration project to specify the data that you want to transfer, and to monitor the status of the migration.

You typically first create a project in a development system. You then transport the project to a test system which is a copy of the production SAP S/4HANA system. The more the data in the test system resembles the data in the production system, the more precise your test will be.

#### **i Note**

It is only possible to create projects in systems that have specific settings. These systems are typically development systems, not productive or quality systems. For more information about these system settings, see SAP Note [3104790](#).

For each test transfer, you create a new migration project in the test system that includes any corrections or refinements identified in the previous test. When you are finally ready to transfer your data to the SAP S/4HANA production system, you create a project in the production system.

Usually, several test data migrations are required before you transfer data to the SAP S/4HANA production system. For each new test data migration, you transport a migration project that includes any corrections or refinements identified in the previous test to the new test system. If you have adjusted migration objects using the SAP S/4HANA migration object modeler (transaction LTMOM), the changes need to be transported for any subsequent tests.

When you are finally ready to transfer your data to the SAP S/4HANA production system, you transfer your project to the production system. The migration is client-specific, so you transfer your project to the relevant client of the target SAP S/4HANA system.

To create a migration project, proceed as follows:

1. In the SAP S/4HANA system, you access the SAP S/4HANA migration cockpit by choosing the **Migrate Your Data** app in the Fiori Launchpad.
2. Choose **Create** and then **Migrate Data Using Staging Tables**. The system displays the **New Migration Project** screen. Creating a project involves three steps. In the first step you specify general data for the project. In the second step you specify a development package for your project. Finally, in the third step, you select the relevant migration objects.

3. Under **General Data**, you specify the following information:

- o Name

The name of the project.

- o Database Connection

If you are using files to fill the staging tables with data, choose the option **Local SAP S/4HANA Database** in the **Database Connection** field. The system will generate the staging tables in the internal schema of the SAP S/4HANA system. Note that you could also fill these staging tables with data by using your preferred tools if required.

If you want to fill the staging tables with data in a remote SAP HANA database, select the option **Remote SAP HANA Database** and enter a valid database connection to relevant system by choosing one from the search help list. The system will generate the staging tables in the schema of the remote database. You need to create a database connection in transaction DBCO, and manually add it to table DMC\_C\_WL\_DBCO\_OP in the SAP S/4HANA system using transaction SM30. Note that for this option, you can use files or your preferred tools to fill the staging tables with data.

4. Choose the button **Step 2**.

5. Under **Development Package**, you specify a development package for your project. If you are unsure about which option to use, we recommend contacting your system administrator.

### **i Note**

If you want to transport the project to another system in your system landscape using the Change and Transport System (CTS), then the development package must have the prefix Y or Z. Do not use a local development package (\$TMP) if you plan to transport the project.

6. Choose the button **Step 3**.

7. Under **Migration Objects**, the system displays a list of available migration objects. Select the migration objects that are relevant for your project.

You can view the following information for the listed migration objects:

- o Name

The migration object name.

- o Predecessor

- o Documentation

To view detailed documentation for the migration object, select the **Documentation** link.

8. Review your settings, and choose **Create Project** to create your project.

## Copying Migration Projects

### Context

You can create a new project that is a copy of an existing project, that contains all the migration objects, mapping tasks and settings, including any custom changes. You specify a new name for the project, and can adjust the database connection and the development package. Note that only the definition of the mapping tasks are copied to the new project.

Copying a project can make sense in the following situations:

- Using templates

You can create one migration project that will act as template for other migration projects. You can then copy this project multiple times to manage the migration in an efficient way. For example, you might copy the leading template project to a new migration project which you would use to migrate data for a specific set of companies. You could then copy the leading template project to another migration project which you would use to migrate data for the remaining companies.

- Reusing successful projects

You want to reuse the settings of a successful project. For example, you may have successfully migrated some companies in a migration project. Later you need to migrate data which requires a similar migration project setup. You can simply copy the successful project and reuse it.

- Creating similar migration projects in a test environment

You want to create similar migration projects in a test environment. You can copy your migration project and then just adjust certain settings of the newly created projects for test purposes.

- Transporting a project to a different system

You can copy a project so that it can be transported to another system. For example, a project might use a local development package that cannot be transported to another system. You can copy this project and assign a development package that can be transported. You can then transport this newly created project to a different system.

## i Note

You can ignore updates for a copied migration object by using the option **Ignore Updates** in transaction LTMOM.

## Procedure

1. On the **Migration Project** screen, select the project that you want to copy.
2. Choose the **Copy** button. The system displays the **New Migration Project** screen.
3. Specify a name for the project. If required, you can also change the database connection.
4. Choose the button **Step 2**.
5. Under **Development Package**, you can specify a different development package if required.
6. Choose the button **Step 3**.
7. Under **Migration Objects**, the system displays the migration objects that will be copied to the new project. Note that it is not possible to add additional objects, or to remove any migration objects in this step. If required, you can add additional migration objects to the project once it has been created. Note that any migration objects that have the status **Not Ready for Processing** will not be copied to the new project.
8. Review your settings and choose **Create Project** to create your project.

## Using a Project in a Different Client

By default, you can only view and edit projects in the client where they were created. It is only possible to use a project in one client in the system. If you want to view and edit a project in a different client, you need to use the SAP S/4HANA migration object modeler (transaction LTMOM) to change the settings for a project so that it can be used in that client. To do this, open the relevant project and choose **GoTo > Use Project in Different Client >**

Note that all mapping tasks are deleted. This means that you need to download the mapping tasks before you proceed. You can then upload the mapping tasks in the new client.

## Example

You create a migration project in client 100. You want to edit the project in client 200. In client 200, you open the project in transaction LTMOM and choose **GoTo > Use Project in Different Client**. In the SAP S/4HANA migration cockpit, you can now view and edit the project in client 200. It is no longer possible to use the project in client 100.

## Transporting Projects from One System to Another

If you need to transport content from one system to another, you can use the Migration Object Modeler (transaction LTMOM) to add the relevant content to a transport request. You can add projects, migration objects, and rules to a transport request. Note that only the definition of a rule is added to a transport request. No values, for example mapping values, are included.

If you add a project to a transport request, then all migration objects and rules in the project will also be added to the transport request. If you add a migration object to a transport request, then all rules that are used by the migration object will also be added to the transport request.

Detailed documentation for the SAP S/4HANA migration object modeler can be accessed directly from transaction LTMOM. For more information about this process, refer to this [documentation](#).

### i Note

A development package is required to transport a project to another system in your system landscape. If a project is assigned to a local development package (\$TMP), it is not possible to transport the project to another system in your system landscape. If required, you can use a report to assign a development package to a migration project. For more information, see SAP Note [3119168](#).

### i Note

To transport a project to another system in your system landscape, the project must be created in a system that has specific settings. For more information, see SAP Note [3104790](#).

## The Migration Project Screen

When you open a migration project, the system displays the **Migration Project** screen. On the **Migration Project** screen, you trigger the steps that are required to transfer the data for each migration object to the target SAP S/4HANA system.

For each migration object, these steps are:

1. Uploading a template file for a migration object (if using template files to fill the staging tables with data).
2. Preparing the staging tables.
3. Processing any open mapping tasks.
4. Simulating the migration to the target SAP S/4HANA system (optional).
5. Migrating the data for the migration object to the target SAP S/4HANA system.

These steps are relevant for each migration object that is part of your project. If a migration object has a predecessor object, the predecessor object must be processed first. In the **Migration Object** column, you can view whether a migration object has a predecessor object.

The **Migration Project** screen contains the following columns:

- Migration Object

In this column, you can view the name of the migration object. You can also view any predecessor objects. To view detailed information about a migration object, click a migration object name in this column. The system displays the [Migration Object](#) screen.

- Data

In this column, you can view the number of staging tables associated with each migration object. You can also view the number of migration object instances that exist in the staging tables.

- Mapping Tasks

In this column, you can view the number of open and completed mapping tasks for each migration object.

- Simulation

In this column, you can view the number of migration object instances that have been simulated successfully, and the number of instances for which errors exist.

- Migration

In this column, you can view the number of migration object instances that still have to be migrated to the target SAP S/4HANA system, as well as the number of migration object instances that have been migrated successfully, and the number of instances for which errors exist.

- Migration Progress

In this column, you can view the status of the migration. If the migration has not started for a migration object, the text [Migration Not Started](#) is displayed. If the migration has started for a migration object, you can view the following percentage values:

- Percentage of instances migrated successfully
- Percentage of instances with errors
- Percentage of instances not yet started

- Action

In this column, you can trigger an action for a migration object. For example, you can upload a file or start the simulation process.

## Additional Information

### Monitoring

To view a log of all activities, choose the [Monitoring](#) button. The system displays the [Monitoring](#) screen. You can view the active activities (for example [Migration Started](#)) and completed activities (for example [Migration Completed](#)).

### Settings

You can view the current settings for your project at any time by choosing the [Settings](#) button. The system displays the [Project Settings](#) screen, where you can also change settings for the project, for example you can add additional migration objects. For more information, see Project Settings.

### Mapping Tasks

You can view a list of all mapping tasks for all the migration objects in your project. For more information about tasks, see Mapping Tasks.

### Job Management

To adjust the maximum number of background jobs that are used for the migration project, choose the **Job Management** button.

## Finishing a Project

When you have finished your migration project, you can set the status of the project to **Finished**. When you set the status of a project to **Finished**, no further changes are possible. However, you can still view the project. To set the status of a project to **Finished**, choose the **Finish** button.

When you set the status of a project to **Finished**, you can specify a data retention period. The retention period is the length of time (in days) that the project and all associated data is kept in the system after you have set the status of the project to **Finished**. To do this, set the option **Data Retention Period** to **On**. The data will be deleted from the SAP S/4HANA system when the data retention time expires. If you set the option **Data Retention Period** to **Off**, then the project and all associated data will be kept in the system indefinitely. If required, you can change the retention time for finished projects. To do this, open the relevant project and choose the **Settings** button. You can find the settings for retention time on the **Technical Information** tab.

## Views

The following views are provided:

- Standard

Migration objects are ordered by name.

- Sequence Information

As you will need to process migration objects in a specific order, the **Sequence Information** view can guide you on how to transfer data to the target system to ensure data integrity and consistency. In this view, the system places the migration objects in your project in different groups.

The migration objects in the **Project-Specific Group** have dependencies to each other. The sequence in which these objects are processed is project-specific. You need to analyze the migration objects in this group to determine the correct sequence for migrating data according to your business requirements. Note that if your migration project does not contain any migration objects that are relevant for this group, the **Project-Specific Group** is not displayed.

You can then migrate the data for the migration objects in group 1. After completing this, migrate the data for the migration objects in group 2. You can then migrate the data for the migration objects in group 3, and so on.

# Project Settings

You can view the current settings for your project by choosing the **Settings** button. The system displays the **Project Settings** screen, where you can view the following information:

- Migration Project Name

If required, you can change the name of the migration project. To this, choose the **Edit** button, and enter a new name in the **Name** field.

- Migration Approach
- Database Connection

In addition, you can view the following sections:

- Migration Objects

Under **Migration Objects**, you can view the migration objects in the project. If required, you can add additional migration objects to your project. To do this, choose the **Edit** button, select the relevant objects and choose **Save**.

- History

Under **History**, you can view the different actions for the project (for example **Project Created**). You can view the user that started the action as well as the start time and date and the end time and date. You can also view the log for each action.

- CSV File Options

Under **CSV File Options**, you can view information about how the system processes CSV files. You can also adjust certain settings. For more information, see [CSV File Options](#).

- Technical Information

Under **Technical Information**, you can view the following information:

- Data Retention Period

The retention period is the length of time (in days) that the project and all associated data is kept in the system after you have set the status of the project to **Finished**. If required, you can change the retention time for finished projects.

- Support Information

You can also view general technical information about the project such as the object ID. If you need to contact SAP for support, this information might be required.

## Job Management

On the **Job Management** screen, you can adjust the maximum number of background jobs that are used for your project. The default number of background jobs for a project is 15. One job is reserved by the scheduling process and is not used by any migration objects. The remaining jobs are distributed equally among the migration objects.

By default, all available application servers are used for the migration project. To avoid any business disruption, you can run your migration projects on a dedicated application server or application server group. Under **Option for Project**, you can select the relevant application server or application server group (if available).

You can also adjust the number of background jobs for specific migration objects. Under **Jobs Used for Migration Objects**, you can view the number of jobs assigned to each migration object in your project. Migration objects are grouped as follows:

- No Constraints

You can adjust the number of jobs assigned to the migration object.

- Only One Job is Used

Only one job can be used to process certain migration objects. It is not possible to adjust the number of jobs for these migration objects.

- Staging Tables Not Prepared (Run the "Preparation" Step)

The **Preparation** step has not been run for these migration objects.

- Status "Not Ready for Processing"

If a migration object has the status **Not Ready for Processing**, it is not possible to adjust the number of jobs.

Note that if an activity has already started for a migration object, then increasing or decreasing the number of jobs for the migration object will have no effect on that activity.

### Example 1

You specify 5 background jobs for your project (in the **Maximum Number of Background Jobs for Project** field). You then specify 1 background job for migration object A and 1 job for migration object B. Result: 1 job will run in parallel to process migration object A, and 1 job will run in parallel to process migration object B. The additional jobs specified for your project are not used in this case.

#### Example 2

You specify 8 background jobs for your project (in the **Maximum Number of Background Jobs for Project** field). You then specify 8 background jobs for migration object A and 5 jobs for migration object B. Result: A maximum of 8 jobs will be used for object A, and a maximum of 5 jobs will be used for object B. The overall number of active background jobs for the project will not exceed 8 jobs.

#### Example 3

You specify 3 background job for your project (in the **Maximum Number of Background Jobs for Project** field). You then specify 3 background jobs for migration object A and 3 jobs for migration object B. Result: 3 jobs will process migration object A and migration object B in a round robin procedure.

## The Migration Object Screen

The SAP S/4HANA migration cockpit uses migration objects to transfer data to the target SAP S/4HANA system. On the **Migration Project** screen, the system displays the migration objects for your project. To get detailed information about a migration object, click a migration object name in the **Migration Object** column. The system displays the **Migration Object** screen, where you can view the following information:

- Documentation

You can view detailed information about the migration object.

- Views

You can view the active view for the migration object.

The view determines the visible fields for a migration object. There is a standard scope for SAP S/4HANA. There is also an adjusted scope that uses your business configuration settings to reduce the number of visible fields. You can also define a custom scope in transaction LTMOM.

- Table Structure

You can view the relevant staging tables for the migration object.

- History

You can view a history of the events for the migration object. Examples of events include **Simulation Started** or **Simulation Completed**. You can also view a log for the events. To do this, choose the **Show Messages** button. The system displays the **Messages** screen, where you can view messages for each event.

- Dependencies

You view whether the migration object has any dependent migration objects in the migration project. A migration object can have predecessor objects (objects which must be processed before the migration object) and successor objects (objects which must be processed after the migration object).

### **i Note**

Only migration objects added to the migration project are in scope. If you did not add a dependent migration object to the migration project, it will not be displayed here.

- Technical Information

Under **Technical Information**, you can view general technical information about the migration object such as the object ID. If you need to contact SAP for support, this information might be required.

The following features are also available:

- View Mapping Tasks

You can navigate to the mapping tasks for a migration object by choosing the **Mapping Tasks** button.

- View Migration Object Instances

To view the migration object instances in the staging tables, choose the **Instances** button.

- Check for Updates

To check whether an update is available for a migration object, choose the **Check for Updates** button.

- Update Migration Object

If an update is available for a migration object, you can update the object by choosing the **Update** button.

- Check whether Custom fields exist

To check whether custom fields exist for a migration object, choose the **Check for Custom fields** button. If custom fields exist, the system updates the migration object with the custom fields.

## Viewing Messages

You can view the messages for the migration objects in a project at any time. On the **Migration Project** screen, select the relevant migration objects and choose the **Messages** button. The system displays the **Migration Object, Messages** screen where you can view the messages for the selected migration objects. You can view the number of migration object instances that are relevant for each message and navigate directly to these migration object instances.

### **i Note**

The retention period for messages is 180 days. Messages will be permanently deleted after this time.

By default, the system displays all messages that exist for the selected migration objects. You can restrict the messages to specific migration objects if required.

You can use the following filter options to view the messages that you are interested in:

- Action

The relevant action, for example **Simulation** or **Migration**. You can select an action to view the messages for that action.

- Message Type

You can select a message type to view the messages of that message type. The following message types are possible:

- Error

Error messages need to be processed before you can continue with the simulation or migration.

- Warning

We recommend analyzing any warning messages to determine whether they are relevant for your migration project.

- o Success

Messages that indicate that a certain step was completed successfully. No further action is required.

- o Information

Messages that provide information about a certain step. No further action is required.

The system displays the following information for each message:

- Type
- Message
- Action

The relevant action, for example [Simulation](#) or [Migration](#).

- Instances

In this column, the system displays the number of migration object instances that are relevant for the message. To view the migration object instances, choose the number in this column.

## Viewing Messages for Specific Migration Object Instances

On the [Migration Project](#) screen, you can view the number of migration object instances that have been simulated and migrated successfully and the number of instances for which errors exist.

In the [Simulation](#) and [Migration](#) columns, the system displays the number of errors for a migration object. If you click this number, the system displays the migration object instances that contain errors. Select the migration object instance that you want to analyze, and choose the [Messages](#) button

You can view the following information for each message:

- Type

The message type, for example [Error](#) or [Warning](#).

- Message

The message short text

- Properties

The system displays the relevant migration object and also the event when the message occurred, for example during the selection process or during the migration.

- Date and Time

The date and time when the message occurred.

## Downloading Template Files

You can use template files to fill the staging tables with data. Alternatively, you can fill the staging tables with data by using your preferred tools (for example SAP Data Services).

Using XML template files is the default option for filling the staging tables with data. We recommend using XML template files for the following reasons:

- Using Microsoft Excel is a stable option for entering and editing values manually.
- All data is contained in one file.
- The XML template file contains detailed information about the relevant data structures as well as instructions about how to enter data in the file.

Using CSV template files is an expert option for filling the staging tables with data. We do not recommend using CSV files unless you have a specific use case for doing so, for example if you are automating the extraction of data from database tables, CSV files may be easier to create using database or other file handling tools. We recommend exercising caution when using CSV files for the following reasons:

- You need to use a separate CSV file for each data structure.
- There is no built-in protection for data formats.

## Downloading XML Template Files

### Context

If you are using XML template files to populate the staging tables with data, you need download an XML template file for a migration object and enter the data to be migrated in the file.

### Procedure

1. On the [Migration Project](#) screen, select the relevant migration object and choose the [Download Template](#) button and then choose the option [Download XML File](#). You can select multiple migration objects if required.
2. The system creates a zip file that contains the template files.
3. Save the zip file locally and open the files using Microsoft Excel.

## Downloading CSV Template Files

### Context

If you are using CSV template files to populate the staging tables with data, you need to download the CSV template files for the relevant migration object and enter the data to be migrated in the files.

#### **i** Note

CSV files provide a more flexible approach for uploading data. For example, you can remove columns, and change the order of the columns. However, using CSV template files is an expert option for filling the staging tables with data. We do not recommend using CSV files unless you have a specific use case for doing so. For more information, see [Downloading Template Files](#).

### Procedure

1. On the [Migration Project](#) screen, select the relevant migration object and choose the [Download Template](#) button and then choose the option [Download CSV Files](#). You can select multiple migration objects if required.
2. The system creates a zip file that contains the CSV template files. In the zip file, there is a CSV file for each data structure of the migration object.

The CSV file names are structured as follows:

```
<data structure name>#<optional user input>.csv
```

For example, for the data structure S\_BNKA, the corresponding CSV template file in the zip file is

S\_BNKA#FreeText.csv. For more information about naming your CSV files, see [Naming Convention for CSV Files](#).

If the technical name of a data structure contains the forward slash character ("/"), the forward slash character will be replaced with the characters "%2f" when you download the file.

3. Save the zip file locally and extract the files. You can then open the files using a text editor or your preferred application.

Using a spreadsheet application to open CSV files may result in formatting issues, for example leading zeros may be deleted.

## Naming Convention for CSV Files

When you download CSV files for a migration object, the system creates a zip file that contains the CSV template files. In the zip file, there is a CSV file for each data structure of the migration object.

The CSV file names are structured as follows:

```
<data structure name>#<optional user input>.csv
```

For example, for the data structure S\_BNKA, the corresponding CSV template file in the zip file is S\_BNKA#FreeText.csv

If required, you can replace the text "FreeText" with your own text, but it is not necessary to do so. If you add your own text, it must be preceded by the hash symbol (#). For example, S\_BNKA#Test1.csv

You can also remove the string "#FreeText".

### **i Note**

Mandatory data structures will also contain the suffix Mandatory.

### **i Note**

If your CSV file names follow the naming convention <data structure name>#<optional user input>.csv, the system will automatically map the CSV files to the relevant data structures. For more information, see [Mapping a CSV File to a Data Structure](#).

## Filling XML Template Files with Data

Using XML template files is the default option for filling the staging tables with data. We recommend using XML template files for the following reasons:

- Using Microsoft Excel is a stable option for entering and editing values manually.
- All data is contained in one file.
- The XML template file contains detailed information about the relevant data structures as well as instructions about how to enter data in the file.

# Additional Information About XML Template Files

The migration templates (Microsoft Excel XML Spreadsheet 2003 files) consist of different sheets which are visible at the bottom of the migration template. You use the different sheets to specify the data that belongs to different data structures. For example the migration template for the migration object **Material**, contains a sheet for basic data, a sheet for plant data, and so on. Some sheets are mandatory, and some are optional.

A migration template is based on the active view of the relevant migration object. You can find information about the active view in the Microsoft Excel XML file. In the file, navigate to **File > Info**. You can find the active view name under **Properties > Tags**.

## Prerequisites

In the Microsoft Excel XML Spreadsheet 2003 file, navigate to **File > Options > Advanced**. Under the option **When calculating this workbook**, ensure that the option **Set precision as displayed** is selected.

### i Note

For Mac OS machines, navigate to **Excel > Preferences**. Under **Formulas and Lists**, choose **Calculation**. Under the option **When calculating workbooks**, ensure that the option **Set precision as displayed** is selected.

## The Field List Sheet

The **Field List** sheet is one of the first sheets in the migration template. You use this sheet to get an overview of the expected data in one central location.

It contains information about the mandatory and optional sheets, as well as detailed information for each sheet (for example the expected data type and length for the fields in each sheet).

On the **Field List** sheet, you can view the following information for each field in the migration template:

- The name of the sheet, and whether it is mandatory or optional. Only mandatory sheets have the suffix **Mandatory**, for example **Basic Data (Mandatory)**. All other sheets are optional.

### i Note

You can quickly get an overview of the mandatory and optional sheets by looking at the color of the sheet names at the bottom of the migration template. The name of the mandatory sheets have the color orange, while the optional sheets have the color blue.

- The group name for the fields in a sheet.
- The individual fields in each sheet, as well as whether fields are mandatory for a sheet.
- Information about the expected format of the individual fields, for example the data type and length.

### i Note

In the field list sheet, certain technical information about the fields is hidden by default. The columns **SAP Structure** and **SAP Field** (columns 8 and 9) are hidden by default. The column **SAP Structure** is the technical name of the structure that the field belongs to. The column **SAP Field** is the technical name of the field. To unhide these columns, select the columns adjacent to either side of the columns that you want to unhide. Right-click your selection, and choose **Unhide**.

If you want to extract data from SAP ERP, the technical name of structure and the technical name of the field often corresponds to the SAP ERP table name and field name.

## Working with Sheets

For each migration template, you need to specify data for the mandatory sheets, and for the optional sheets that are relevant for your project:

- Mandatory sheets (orange)

Mandatory sheets represent the minimum set of data you must provide for data migration. Fill in all mandatory fields.

- Optional sheets (blue)

Use optional sheets depending on your migration scope and available legacy data.

### Viewing Additional Information for Each Column

In row 8, you can view the field names in SAP S/4HANA, as well as additional information such as the expected format (for example the data type and length). Note that you must expand the row to view this additional information.

Some fields are mandatory, and some are optional. The wildcard character ('\*') beside the name of a field indicates that the field is mandatory.

#### i Note

Although an optional sheet may contain mandatory columns, if the sheet is not relevant for your project, there is no need to fill the mandatory columns in the sheet with data.

#### i Note

Rows 4, 5, and 6 are hidden by default. Row 4 is the technical name of the structure (corresponds to the sheet name). Row 5 is the technical name of the field (corresponds to row 8 - the field description). Row 6 contains technical information such as the data type and length.

To unhide these rows, select the rows adjacent to either side of the rows that you want to unhide. Right-click your selection, and choose **Unhide**.

### Working with Different Data Types

You can view the data type for a field in row 8 (see [Viewing Additional Information for Each Column](#) above). Depending on the field, one of the following data types may be required:

- Text

Letters, numbers, and special characters (such as ':' and '&') are permitted. In the SAP S/4HANA migration cockpit, you can map the values of certain fields with the data type text (usually those fields with **Length: 80**) to their correct SAP S/4HANA target values. You can do this value mapping in the SAP S/4HANA migration cockpit when you start the transfer (in the step **Convert Values**).

- Number

Enter numbers with decimals in the relevant country-specific format, for example 12.34 (United States) or 12,34 (Germany). For fields with decimal places, the length includes the number of decimal places (if required), for example if the information for the column states **Length: 8, Decimals: 3**, then a number such as 12345.678 is permitted. Note that decimal places are not mandatory. In this example, you can specify a whole number up to length 8 without decimal places, for example '1'. This number would be set to '1.000' internally. For negative numbers, ensure that a minus sign ('-') directly precedes the number, for example '-100'.

Note that the maximum field length supported by Microsoft Excel is 15 digits (including decimals). If you have longer numbers, use the option for transferring data to S/4HANA using staging tables. For more information, see SAP Knowledge Base Article [2718516](#).

- Date

Enter the date in the country-specific format of your operating system, for example 12/31/1998 (United States) or 31.12.1998 (Germany). Note that Microsoft Excel automatically recognizes different date formats and transforms them automatically to the correct XML format.

- Time

Enter the time in the format HH:MM:SS, for example 02:52:40.

- Date-Time

Enter the date in your country-specific format followed by the time in the format HH:MM:SS, for example 12/31/1998 02:52:40 (United States) and 31.12.1998 02:52:40 (Germany). Separate the date and time with a blank space.

## Copying Data to a Sheet

When copying data to a sheet from Microsoft Excel, always right-click the relevant cell and choose the paste option **Values (V)**. Avoid pasting data that includes formatting and formulas into the migration template, as this will corrupt the structure of the XML migration template.

## Using the Find and Replace Function

Do not use the Microsoft Excel function **Find and Replace**. If you change data by using this function, you may also unintentionally change the field names and corrupt the structure of the XML migration template.

## Saving the Migration Template

Ensure that you only save the migration template as a Microsoft Excel XML Spreadsheet 2003 file. Other file types are not supported by the SAP S/4HANA migration cockpit.

## Important Information

Do not make any changes to the structure of the migration template, specifically:

- Do not rename or change the order of any sheet in the migration template.
- Do not change the formatting of any cells.
- Do not use formulas.
- Do not hide or change the order of any of the columns in the migration template.

### **i** Note

Any changes to the sheets will result in a corrupted XML structure. Such modified migration templates are not supported by the SAP S/4HANA migration cockpit.

## Filling CSV Template Files with Data

Using CSV template files is an expert option for filling the staging tables with data. We do not recommend using CSV files unless you have a specific use case for doing so, for example if you are automating the extraction of data from database tables, CSV files

may be easier to create using database or other file handling tools. We recommend exercising caution when using CSV files for the following reasons:

- You need to use a separate CSV file for each data structure.
- There is no built-in protection for data formats.

## Additional Information About CSV Template Files

You download a CSV template file for each data structure of a migration object. In the first row of a CSV template file, you can view the technical names of the fields.


An asterisk (\*) next to a field name indicates a mandatory field. For example, the field **BANKA** is a mandatory field. The first row of a CSV file containing this field would have the entry **BANKA (\*)**.

Key fields are always mandatory fields. The letter k (k) and an asterisk (\*) next to the field name indicates a mandatory key field. For example, the field **BANKS** is a mandatory key field. The first row of a CSV file containing this field would have the entry **BANKS (k/\*)**.

On the **Tables** tab of the **Migration Object Tables** screen, you can view more detailed information about the fields. For example, you can view the name of the field as well as the data type and length.

### **i** Note

CSV files must comply with RFC 4180 and use UTF-8 encoding. UTF-8 with BOM is not supported. RFC 4180 defines a standard dialect for CSV files that specifies delimiters, quoting, and line breaks. However, unlike RFC 4180, the SAP S/4HANA migration cockpit supports different field delimiters. For more information, see [CSV File Options](#).

For additional information about using CSV files, see SAP Knowledge Base Article [3210687](#) .

## CSV File Options

On the **Project Settings** screen, under **CSV File Options**, you can view information about how the system processes CSV files. You can also adjust certain settings. There are the following options:

- [General Options](#)
- [CSV Header Options](#)
- [Special Characters](#)

## General Options

Under **General Options**, you can adjust the values of the following fields:

- Date Format

Dates in the CSV file must adhere to a specific format. The default date format is YYYYMMDD. You can select an alternative date format from the dropdown list if required.

- Time Format

Times in the CSV file must adhere to a specific format. The default time format is HHMMSS. You can select an alternative time format from the dropdown list if required.

- Decimal Notation

In the CSV file, you need to ensure that decimal numbers use the appropriate decimal notation. The default decimal notation is 1234567.89 but you can select a decimal notation that uses thousand separators, for example 1,234,567.89

In addition, you can view the following information:

Field	Value	Additional Information
Character Encoding	UTF-8	If you create CSV files using your own tools, you need to ensure that they use UTF-8 character encoding.

## CSV Header Options

Under **File Header Options**, there are the following options:

- First Row is Header Row

This is the default option. The first row of a CSV template file is the header row. This row contains the technical names of the fields. An asterisk (\*) next to a field name indicates a mandatory field, while the letter k (k) and an asterisk (\*) next to the field name indicates a mandatory key field.

If you use the option **First Row is Header Row**, the first row in your CSV file must be a header row. The field names in the header row must have the same name as the fields in the header row of the CSV template file. The system will expect values for each mandatory field specified in the header row. In addition, the order of the values in each row must correspond to the order of the fields in the header row. In the first row of your CSV file, you can remove the indicators next to the field names if required.

This option also provides a more flexible approach for uploading data. For example, you can remove columns, and change the order of the columns. Note that the mandatory fields must always be present in the header row of your CSV file.

### **i Note**

If you want to specify empty values for fields at the start of a row, they must be separated by a delimiter. If you want to specify empty values for fields at the end of a row, they do not need to be separated by a delimiter.

Example: The header row of a CSV file has two mandatory key fields and 2 additional fields. In the second row of the CSV file, you want to specify values for all four fields. For the remaining rows, you want to specify values for the two mandatory key fields only. The following example CSV file is acceptable:

```
Field1(k/*),Field 2(k/*),Field3,Field4
```

```
Value1,Value2,Value3,Value4
```

```
Value5,Value6
```

```
Value7,Value8
```

For additional information about this option, including examples, see SAP Knowledge Base Article [3210687](#).

- No Header Row (Import All Rows)

You can use this option if you want to create CSV files with no header rows. For example, if you use your own tools to generate CSV files it may be easier to create CSV files without a header row.

You need to first download the relevant CSV template file to determine the relevant fields, and then create your CSV file accordingly. If you use this option, the system will expect values for each mandatory field specified in the header row of the CSV template file. The values in your CSV file must also be in the same order as the header row of the CSV template file. In addition, empty values for fields must be separated by a delimiter.

### **i Note**

Empty values for fields must be separated by a delimiter.

Example: The header row of a CSV template file has two mandatory key fields and 2 additional fields. You want to create a CSV file that has no header row. In the first row of your CSV file, you want to specify values for all four fields. For the remaining rows, you want to specify values for the two mandatory key fields only. The following example CSV file is acceptable:

```
Value1,Value2,Value3,Value4
```

```
Value5,Value6,,
```

```
Value7,Value8,,
```

- **Number of Rows to Skip**

You can use this option if you want the system to skip one or more rows in the CSV file. For example, you could include the field descriptions in the second row as extra information. The default value of this field is 1. This means that the system will not process first row of the CSV file. You can increase this number if required. For example, if you change this value to 2, the system will skip the first two lines in the file.

You need to first download the relevant CSV template file to determine the relevant fields, and then create your CSV file accordingly. If you use this option, the system will expect values for each mandatory field specified in the header row of the CSV template file. The values in your CSV file must also be in the same order as the header row of the CSV template file. In addition, empty values for fields must be separated by a delimiter.

## Special Characters

Under **Special Characters**, you can adjust the values of the following fields:

- **Record Delimiter**

A line break separates each row in the CSV file. The following values are possible:

- Windows (CR LF)
- Macintosh (CR)
- Unix (LF)

- **Field Delimiter**

The following values are possible:

- Comma (,)
- Semicolon (;)
- Tab

In addition, you can view the following information:

Field	Value	Additional Information
Character Used to Enclose Fields	Double Quotes (")	Each field may or may not be enclosed in double quotes. If fields are not enclosed with double quotes, then double quotes may not appear inside the fields.
Escape Character	Double Quotes (")	If double quotes are used to enclose fields, then a double quote that appears inside a field must be preceded by another double quote. Example: "aaa", "b""bb", "ccc"

## Transferring Data to Staging Tables

The system automatically creates database tables for each migration object in a project. These database tables are called staging tables. For each migration object, the system creates one or more staging tables. The staging tables have the naming convention /1LT/DS<system ID><numeric identifier>, for example /1LT/DSQKX000928.

On the [Migration Projects](#) screen, in the [Data](#) column, you can view the number of staging tables for each migration object.

### **i Note**

When the SAP S/4HANA migration cockpit creates the staging tables, it ensures that the following fields cannot contain null values:

- Key fields
- Mandatory fields
- Fields for which the default value of the relevant ABAP data type (for example NUMC, DATE, or DECIMAL) is not empty.

All other fields can contain null values.

There are the following options for populating the staging tables with data:

- Template files are provided for every migration object. You can download a template file for a migration object and enter the data to be migrated in the file. You then upload the completed file, and the system automatically transfers the contents of the file to the staging tables.
- You can fill the staging tables with data by using your preferred tools (for example SAP Data Services).

## Transferring Data from XML Template Files to Staging Tables

### Context

Once you have filled the XML template file for a migration object with data, you can upload the file to the SAP S/4HANA migration cockpit. The system then validates the data in the file and transfers the data to the staging tables that were generated for that migration object.

### **i Note**

The size limit for each uploaded XML file is 100 MB. You can upload multiple XML files at once by using a zip file. The size limit of the zip file is 100MB. The maximum size for each XML file in the zip file is 200MB.

## Procedure

1. On the **Migration Project** screen, select the relevant migration object and choose the action **Upload File**.
2. The system displays the **Migration Object Tables** screen. On the **Files** tab, you upload the files and view the status of the validation and transfer process. To upload a file, you can either use the **Upload** button or use the drag and drop function.
3. The system uploads the file to the SAP S/4HANA migration cockpit. On the **Files** tab, you can view the status of the upload.
4. The system validates the data in the file. On the **Files** tab, you can view the status of the validation as well as information such as the time the process was started.
5. When the system validates the uploaded XML template file, it updates the uploaded file with an additional sheet that contains all error and warning messages. You can then download this updated file and process any errors or warnings. In the new **Messages** sheet, you can navigate directly from a message to the relevant cell to resolve any errors. We recommend deleting the **Messages** sheet before uploading the file again, as errors could occur during the upload process if the file size is too large. You can then upload this file, and the system will start the validation process again.

If the status of the file is **Validation Completed with Warnings**, you need to analyze the messages before proceeding. If you determine that the messages can be ignored, you need to transfer the data to the staging tables manually.

6. Once the file has been validated successfully (no error or warning messages), the system automatically starts transferring the data in the file to the staging tables that were generated for that migration object. Once all the data in the file has been transferred to the staging tables, the system displays the information **Data Successfully Transferred to Staging Tables**. You can also view information such as the number of transferred migration object instances.

## The Migration Object Tables Screen

On the **Migration Object Tables** screen, you can view the staging tables for a migration object. You can also view any uploaded files.

The **Migration Object Tables** screen contains the following tabs:

- **Tables**

On the **Tables** tab, you can view information about the staging tables such as the technical name of the staging tables and the current status. If you click a staging table, the system displays the **Migration Object Tables, Structure** screen where you can find detailed information about the fields in the staging table. To view the content of a table, click an entry in the **Rows in Staging Table** column.

On the **Tables** tab, the following options are possible:

- **Consistency Check**

To migrate data from staging tables, all records needs to be associated with records at a higher level in the hierarchy. You can use this function to check whether these associations exist. This function is only relevant if you provided data directly to the staging tables.

If you are using files to populate the staging tables with data, this check is done automatically when validating the file.

- **Reset Table Settings**

It is not possible to adjust the data in the staging tables while the preparation step, the migration, or the simulation is in process. However, in certain situations it is not possible to adjust the data in the staging tables even though none of these steps are in process. This can occur, for example, if a user cancelled jobs manually, or if an unexpected event occurred.

You can use the option **Reset Table Settings** to unlock the staging tables so that you can adjust data again. To do this, the system resets the settings for the tables.

On the **Migration Project** screen, the system resets the number of instances that have been simulated successfully and the number of instances for which errors exists to 0. The number of migrated instances is not adjusted. When adjusting data in the staging table, do not update field /ILT/PROCESSED.

- o Delete All Records

You can use the button **Delete All Records** to delete all records from selected staging tables, regardless of the status. Note that deleting records from the staging tables may result in errors or inconsistencies.

- o Adjust Structure

If the table has the status **Adjustment Required**, the system can change the structures of the selected staging tables so that they reflect the latest version of the migration object provided by SAP. To do this, choose the button **Adjust Structures**. Note that no data will be lost during this process.

For example, if the staging tables are located in a remote SAP HANA system, it is possible to adjust or even drop staging tables. If such an action was done in error, you can use this option to adjust the staging tables so that they reflect the latest version of the migration object provided by SAP.

- Files

On the **Files** tab, you can upload files and view any uploaded files. You can transfer the content of a file to the staging tables so that data can be transferred to SAP S/4HANA. If data from a file has been transferred to the staging tables, then this data will not be deleted from the staging tables if you delete the file.

The following feature is also available:

- Download Metadata

You can download metadata for all tables of a migration object. The system creates a comma-separated values (CSV) file that contains the structure of the tables. For each field, you can view information such as the length and data type. You can use this information, for example, to easily copy data to any export scripts that you might use to populate the staging tables with data.

## Handling Duplicate Key Errors

When transferring data from a file to the staging tables, duplicate key errors could occur. A duplicate key error means that there is already an instance in the table that has the same key field as the instance to be inserted. If duplicate key errors occur, the status of the file will change to **Transfer of Data to Staging Tables Failed**. You can view the relevant messages for the file by choosing **Show Messages**.

There are the following options for handling duplicate key errors:

- You can delete the file, for example if you know that there are values in the file that are not correct. You can then adjust the file and upload it again.
- You can proceed with transferring the data in the file to the staging tables. To do this, you select the relevant file and choose **Transfer Data to Staging Tables**. The system displays the **Processing Options** screen where you can choose one of the following options:
  - o Skip Files with Duplicates
 

The system will not transfer any data from files that contain duplicate instances.
  - o Replace Duplicates with Instances from File

The system will transfer all data from the file to the staging tables except for such duplicate instances. If any duplicate instances exist in the staging tables, they will be deleted from the staging tables and then replaced with the instances from the file. Note that if a duplicate instance has already been successfully migrated, then it will not be deleted from the staging tables.

### Example

For the migration object **Bank Master**, you transferred data to the staging tables but did not specify a region:

Bank Country Key	Bank Key	Name of Bank	Region (State, Province, Country)
EN	2344444	563222666	

You adjust the file (or prepare a new file) so that it contains a value for the **Region** field. You then upload the file. For this file, you choose the processing option **Replace Duplicates with Instances from File**. The above migration object instance will be replaced with the new instance from the file that contains a value for the **Region** field.

## Transferring Data from CSV Template Files to Staging Tables

Once you have filled the CSV template files for a migration object with data, you can upload the files to the SAP S/4HANA migration cockpit. There are two options for uploading CSV files:

- On the **Migration Object Tables** screen, you can upload a zip file that contains your CSV files. We recommend using this option, as it is the most efficient method for uploading the CSV files for a migration object.

If the CSV files in the zip file follow a specific naming convention, the system will automatically map the CSV files to the relevant data structures. If there are no upload errors, the system will validate the data in the CSV files and transfer the data to the staging tables. For more information, see [Uploading a Zip File](#).

- You can create a folder for your CSV files and upload them there. For more information, see [Creating a Folder for Your CSV Files](#).

## Uploading a Zip File

### Prerequisites

You have downloaded a zip file that contains CSV template files for each mandatory data structure of the migration object. You have filled the CSV template files with data and saved the CSV files in a zip file. For more information about CSV template files, see [Additional Information About CSV Template Files](#).

### Context

You can upload a zip file that contains your CSV files. The system will create a folder with the same name as your zip file. We recommend using this option, as it is the most efficient method for uploading the CSV files for a migration object.

#### i Note

If the CSV files in the zip file follow the naming convention `<data structure name>#<optional user input>.csv`, the system will automatically map the CSV files to the relevant data structures. If there are no upload errors, the system will validate the data in the CSV files and transfer the data to the staging tables.

## i Note

If the CSV files in the zip file do not follow the naming convention `<data structure name>#<optional user input>.csv`, you will need to map the CSV files to the relevant data structures. You will then need to validate the data in the CSV files, and then transfer the data in the files to the staging tables.

## Procedure

1. On the **Migration Project** screen, select the relevant migration object and choose the action **Upload File**.
2. The system displays the **Migration Object Tables** screen. On the **Upload Files** tab, you can upload the zip file that contains your CSV files. To upload a file, you can either use the **Upload** button or use the drag and drop function.
3. The system creates a folder for the CSV files and uploads the CSV files to the folder. On the **Upload Files** tab, you can view the folder as well as the status of the upload. The system checks the structure of the CSV files, for example the system checks the character encoding of the CSV files and whether a header row exists.
4. If the CSV files in the zip file follow the naming convention `<data structure name>#<optional user input>.csv`, the system will automatically map the CSV files to the relevant data structures. If the CSV files do not follow this naming convention, you will need to map the CSV files to the relevant data structures. For more information, see [Mapping a CSV File to a Data Structure](#).
5. If required, choose the **Validate Data** button to validate the data in the CSV file. On the **Upload Files** tab, you can view the overall status of the validation as well as information such as the time the process was started.

When validating the data in a file, the system runs multiple checks. For example, the system checks whether values have the correct data type and length. The system also checks whether the file contains values for all key fields and for all mandatory fields.

In the folder for the CSV files, on the **Data Structures** tab, you can view each uploaded CSV file as well as the corresponding data structure of the migration object.

6. If all the CSV files in the uploaded zip file were validated successfully (no error or warning messages), the system automatically starts transferring the data in the file to the staging tables that were generated for that migration object. Once all the data in the file has been transferred to the staging tables, the system changes the status of the folder to **Data Successfully Transferred to Staging Tables**.

If a CSV file does not follow the naming convention `<data structure name>#<optional user input>.csv`, or if there are validation errors, you will need to transfer the data in the file to the staging tables manually. You can do this by choosing the **Transfer Data to Staging Tables** button.

7. If the status of the folder for the CSV files is **Validation Failed**, then there is an issue with the data in at least one of the CSV files in the folder. You can view the relevant messages by choosing the **Show Messages** link.

To resolve any validation issues, you need to delete the relevant file and then upload a new version of the file that contains the corrected data. After you upload the corrected file, you need to choose **Validate Data** to validate the data in the CSV file. Once the CSV file has been validated successfully (no error or warning messages), you can transfer the data in the file to the staging tables by choosing the **Transfer Data to Staging Tables** button.

If the status of the folder for the CSV files is **Validation Completed with Warnings**, you need to analyze the relevant messages before proceeding. If you determine that the messages can be ignored, you can transfer the data in the file to the staging tables by choosing the **Transfer Data to Staging Tables** button.

## Mapping a CSV File to a Data Structure

You download CSV template files for each mandatory data structure of a migration object. The downloaded CSV file names are structured as follows:

```
<data structure name>#<optional user input>.csv
```

When you upload a CSV file, the system can map the CSV file to the relevant data structure. However, this depends on whether the CSV file follows the naming convention. You have the following options:

- If a CSV file follows the naming convention `<data structure name>#<optional user input>.csv`, the system automatically maps the file to the relevant data structure. For more information, see the first example below.
- If a CSV file does not follow the naming convention `<data structure name>#<optional user input>.csv`, you need to map the file to the relevant data structure manually. For more information, see the second example below.

## Example

The migration object **Bank** has one data structure called `S_BNKA`. You download the CSV template file for this migration object. The downloaded file name is `S_BNKA#FreeText.csv`.

You fill this template file with data and save the file. When naming your file, you do not adjust the data structure name, for example your saved file is named `S_BNKA#FreeText.csv`, `S_BNKA.csv`, or `S_BNKA#Test1.csv`

When you upload the file, the system will automatically map the CSV file to the data structure `S_BNKA`.

## Example

The migration object **Bank** has one data structure called `S_BNKA`. You download the CSV template file for this migration object. The downloaded file name is `S_BNKA#FreeText.csv`.

You fill this template file with data and save the file. When naming your file, you adjust the data structure name, for example your saved file is named `S_BNKA1#FreeText.csv`, `S_BNKA_Test.csv`, or `BANK_Test.csv`.

On the **Folder for CSV Files** screen, you upload this file. On the **Files** tab, the status of the file is **Not Mapped to Any Data Structure**. You then map the file to the relevant data structure by selecting the file and choosing the **Map Files** button.

## The Migration Object Tables Screen

On the **Migration Object Tables** screen, you can view the staging tables for a migration object. You can also view any uploaded files.

The **Migration Object Tables** screen contains the following tabs:

- Tables

On the **Tables** tab, you can view information about the staging tables such as the technical name of the staging tables and the current status. If you click a staging table, the system displays the **Migration Object Tables, Structure** screen where you can find detailed information about the fields in the staging table. To view the content of a table, click an entry in the **Rows in Staging Table** column.

On the **Tables** tab, the following options are possible:

- Consistency Check

To migrate data from staging tables, all records needs to be associated with records at a higher level in the hierarchy. You can use this function to check whether these associations exist. This function is only relevant if you provided data directly to the staging tables.

If you are using files to populate the staging tables with data, this check is done automatically when validating the file.

- o Reset Table Settings

It is not possible to adjust the data in the staging tables while the preparation step, the migration, or the simulation is in process. However, in certain situations it is not possible to adjust the data in the staging tables even though none of these steps are in process. This can occur, for example, if a user cancelled jobs manually, or if an unexpected event occurred.

You can use the option **Reset Table Settings** to unlock the staging tables so that you can adjust data again. To do this, the system resets the settings for the tables.

On the **Migration Project** screen, the system resets the number of instances that have been simulated successfully and the number of instances for which errors exists to 0. The number of migrated instances is not adjusted. When adjusting data in the staging table, do not update field /1LT/PROCESSED.

- o Delete All Records

You can use the button **Delete All Records** to delete all records from selected staging tables, regardless of the status. Note that deleting records from the staging tables may result in errors or inconsistencies.

- o Adjust Structure

If the table has the status **Adjustment Required**, the system can change the structures of the selected staging tables so that they reflect the latest version of the migration object provided by SAP. To do this, choose the button **Adjust Structures**. Note that no data will be lost during this process.

For example, if the staging tables are located in a remote SAP HANA system, it is possible to adjust or even drop staging tables. If such an action was done in error, you can use this option to adjust the staging tables so that they reflect the latest version of the migration object provided by SAP.

- Files

On the **Files** tab, you can upload files and view any uploaded files. You can transfer the content of a file to the staging tables so that data can be transferred to SAP S/4HANA. If data from a file has been transferred to the staging tables, then this data will not be deleted from the staging tables if you delete the file.

The following feature is also available:

- Download Metadata

You can download metadata for all tables of a migration object. The system creates a comma-separated values (CSV) file that contains the structure of the tables. For each field, you can view information such as the length and data type. You can use this information, for example, to easily copy data to any export scripts that you might use to populate the staging tables with data.

## Handling Duplicate Key Errors

When transferring data from a file to the staging tables, duplicate key errors could occur. A duplicate key error means that there is already an instance in the table that has the same key field as the instance to be inserted. If duplicate key errors occur, the status of the file will change to **Transfer of Data to Staging Tables Failed**. You can view the relevant messages for the file by choosing **Show Messages**.

There are the following options for handling duplicate key errors:

- You can delete the file, for example if you know that there are values in the file that are not correct. You can then adjust the file and upload it again.
- You can proceed with transferring the data in the file to the staging tables. To do this, you select the relevant file and choose **Transfer Data to Staging Tables**. The system displays the **Processing Options** screen where you can choose one of the

following options:

- o Skip Files with Duplicates

The system will not transfer any data from files that contain duplicate instances.

- o Replace Duplicates with Instances from File

The system will transfer all data from the file to the staging tables except for such duplicate instances. If any duplicate instances exist in the staging tables, they will be deleted from the staging tables and then replaced with the instances from the file. Note that if a duplicate instance has already been successfully migrated, then it will not be deleted from the staging tables.

### Example

For the migration object **Bank Master**, you transferred data to the staging tables but did not specify a region:

Bank Country Key	Bank Key	Name of Bank	Region (State, Province, Country)
EN	2344444	563222666	

You adjust the file (or prepare a new file) so that it contains a value for the **Region** field. You then upload the file. For this file, you choose the processing option **Replace Duplicates with Instances from File**. The above migration object instance will be replaced with the new instance from the file that contains a value for the **Region** field.

## Creating a Folder for Your CSV Files

On the **Migration Object Tables** screen, you can upload your CSV files. On the **Upload Files** tab, you can create a folder for the CSV files by choosing the button **Create CSV Folder**. You can then open your folder and either upload a zip file that contains your CSV files or single CSV files. Note that the size limit for CSV folders is 100MB. You will then need to validate the data in the CSV files, and then transfer the data in the files to the staging tables.

### i Note

If the CSV files do not follow the naming convention `<data structure name>#<optional user input>.csv`, you will need to map the CSV files to the relevant data structures. You will then need to validate the data in the CSV files, and then transfer the data in the files to the staging tables. For more information, see [Uploading CSV Files](#).

### i Note

If the CSV files follow the naming convention `<data structure name>#<optional user input>.csv`, the system will automatically map the CSV file to the relevant data structures. You will then need to validate the data in the CSV files, and then transfer the data in the files to the staging tables. For more information, see [Uploading CSV Files](#).

## Uploading CSV Files

### Prerequisites

You have filled a CSV template file with data. For more information about CSV template files, see [Additional Information About CSV Template Files](#).

A folder exists for your CSV files. You can create a folder for the CSV files on the [Upload Files](#) tab by choosing the button [Create CSV Folder](#).

## Context

You can upload CSV files and transfer the data in the files to the staging tables that were generated for the relevant migration object.

## Procedure

1. On the [Migration Object Tables](#) screen, select the tab [Upload Files](#).
2. Open the folder for your CSV file.
3. The system displays the [Folder for CSV Files](#) screen. On the [Files](#) tab, you can upload single CSV files or a zip file that contains your CSV files. To upload a file, you can either use the [Upload](#) button or use the drag and drop function.

The system checks the structure of the CSV files, for example the system checks the character encoding of the CSV files and whether a header row exists.

4. If the CSV files do not follow the naming convention `<data structure name>#<optional user input>.csv`, you need to map the files to the relevant data structure. For more information, see [Mapping a CSV File to a Data Structure](#).
5. Choose the [Validate Data](#) button to validate the data in the CSV file.

When validating the data in a file, the system runs multiple checks. For example, the system checks whether values have the correct data type and length. The system also checks whether the file contains values for all key fields and for all mandatory fields.

On the [Data Structures](#) tab, you can view the uploaded CSV files as well as the corresponding data structure of the migration object.

6. If the status of the folder for the CSV files is [Validation Failed](#), then there is an issue with the data in at least one of the CSV files in the folder. You can view the relevant messages by choosing the [Show Messages](#) link.

To resolve any validation issues, you need to delete the file and then upload a new version of the file that contains the corrected data.

If the status of the folder for the CSV files is [Validation Completed with Warnings](#), you need to analyze the relevant messages before proceeding. If you determine that the messages can be ignored, you can transfer the data in the file to the staging tables by choosing the [Transfer Data to Staging Tables](#) button.

7. Once a CSV file has been validated successfully (no error or warning messages), you can transfer the data in the file to the staging tables that were generated for that migration object. To do this, choose the [Transfer Data to Staging Tables](#) button. Once all the data in the file has been transferred to the staging tables, the system changes the status of the folder to [Data Successfully Transferred to Staging Tables](#).

## Mapping a CSV File to a Data Structure

You download CSV template files for each mandatory data structure of a migration object. The downloaded CSV file names are structured as follows:

```
<data structure name>#<optional user input>.csv
```

When you upload a CSV file, the system can map the CSV file to the relevant data structure. However, this depends on whether the CSV file follows the naming convention. You have the following options:

- If a CSV file follows the naming convention `<data structure name>#<optional user input>.csv`, the system automatically maps the file to the relevant data structure. For more information, see the first example below.

- If a CSV file does not follow the naming convention <data structure name>#<optional user input>.csv, you need to map the file to the relevant data structure manually. For more information, see the second example below.

## Example

The migration object **Bank** has one data structure called S\_BNKA. You download the CSV template file for this migration object. The downloaded file name is S\_BNKA#FreeText.csv.

You fill this template file with data and save the file. When naming your file, you do not adjust the data structure name, for example your saved file is named S\_BNKA#FreeText.csv, S\_BNKA.csv, or S\_BNKA#Test1.csv

When you upload the file, the system will automatically map the CSV file to the data structure S\_BNKA.

## Example

The migration object **Bank** has one data structure called S\_BNKA. You download the CSV template file for this migration object. The downloaded file name is S\_BNKA#FreeText.csv.

You fill this template file with data and save the file. When naming your file, you adjust the data structure name, for example your saved file is named S\_BNKA1#FreeText.csv, S\_BNKA\_Test.csv, or BANK\_Test.csv.

On the **Folder for CSV Files** screen, you upload this file. On the **Files** tab, the status of the file is **Not Mapped to Any Data Structure**. You then map the file to the relevant data structure by selecting the file and choosing the **Map Files** button.

# The Migration Object Tables Screen

On the **Migration Object Tables** screen, you can view the staging tables for a migration object. You can also view any uploaded files.

The **Migration Object Tables** screen contains the following tabs:

- Tables

On the **Tables** tab, you can view information about the staging tables such as the technical name of the staging tables and the current status. If you click a staging table, the system displays the **Migration Object Tables, Structure** screen where you can find detailed information about the fields in the staging table. To view the content of a table, click an entry in the **Rows in Staging Table** column.

On the **Tables** tab, the following options are possible:

- Consistency Check

To migrate data from staging tables, all records needs to be associated with records at a higher level in the hierarchy. You can use this function to check whether these associations exist. This function is only relevant if you provided data directly to the staging tables.

If you are using files to populate the staging tables with data, this check is done automatically when validating the file.

- Reset Table Settings

It is not possible to adjust the data in the staging tables while the preparation step, the migration, or the simulation is in process. However, in certain situations it is not possible to adjust the data in the staging tables even though

none of these steps are in process. This can occur, for example, if a user cancelled jobs manually, or if an unexpected event occurred.

You can use the option [Reset Table Settings](#) to unlock the staging tables so that you can adjust data again. To do this, the system resets the settings for the tables.

On the [Migration Project](#) screen, the system resets the number of instances that have been simulated successfully and the number of instances for which errors exists to 0. The number of migrated instances is not adjusted. When adjusting data in the staging table, do not update field / 1LT/PROCESSED.

- o Delete All Records

You can use the button [Delete All Records](#) to delete all records from selected staging tables, regardless of the status. Note that deleting records from the staging tables may result in errors or inconsistencies.

- o Adjust Structure

If the table has the status [Adjustment Required](#), the system can change the structures of the selected staging tables so that they reflect the latest version of the migration object provided by SAP. To do this, choose the button [Adjust Structures](#). Note that no data will be lost during this process.

For example, if the staging tables are located in a remote SAP HANA system, it is possible to adjust or even drop staging tables. If such an action was done in error, you can use this option to adjust the staging tables so that they reflect the latest version of the migration object provided by SAP.

- Files

On the [Files](#) tab, you can upload files and view any uploaded files. You can transfer the content of a file to the staging tables so that data can be transferred to SAP S/4HANA. If data from a file has been transferred to the staging tables, then this data will not be deleted from the staging tables if you delete the file.

The following feature is also available:

- Download Metadata

You can download metadata for all tables of a migration object. The system creates a comma-separated values (CSV) file that contains the structure of the tables. For each field, you can view information such as the length and data type. You can use this information, for example, to easily copy data to any export scripts that you might use to populate the staging tables with data.

## Handling Duplicate Key Errors

When transferring data from a file to the staging tables, duplicate key errors could occur. A duplicate key error means that there is already an instance in the table that has the same key field as the instance to be inserted. If duplicate key errors occur, the status of the file will change to [Transfer of Data to Staging Tables Failed](#). You can view the relevant messages for the file by choosing [Show Messages](#).

There are the following options for handling duplicate key errors:

- You can delete the file, for example if you know that there are values in the file that are not correct. You can then adjust the file and upload it again.
- You can proceed with transferring the data in the file to the staging tables. To do this, you select the relevant file and choose [Transfer Data to Staging Tables](#). The system displays the [Processing Options](#) screen where you can choose one of the following options:
  - o Skip Files with Duplicates

The system will not transfer any data from files that contain duplicate instances.

- o Replace Duplicates with Instances from File

The system will transfer all data from the file to the staging tables except for such duplicate instances. If any duplicate instances exist in the staging tables, they will be deleted from the staging tables and then replaced with the instances from the file. Note that if a duplicate instance has already been successfully migrated, then it will not be deleted from the staging tables.

### Example

For the migration object **Bank Master**, you transferred data to the staging tables but did not specify a region:


Bank Country Key	Bank Key	Name of Bank	Region (State, Province, Country)
EN	2344444	563222666	

You adjust the file (or prepare a new file) so that it contains a value for the **Region** field. You then upload the file. For this file, you choose the processing option **Replace Duplicates with Instances from File**. The above migration object instance will be replaced with the new instance from the file that contains a value for the **Region** field.

## Transferring Data to Staging Tables Using Your Preferred Tools

If the staging tables are located in a remote SAP HANA schema, you can populate the staging tables with data by using your preferred tools (for example SAP Data Services). In this case, information such as the technical names of the staging tables as well as the data types and lengths of the fields will be required.

### i Note

For more information about populating the staging tables using tools such as SAP Data Services see SAP Note [2733253](#) .

On the **Migration Object Tables** screen, you can view the staging tables for a migration object. If you click a staging table, the system displays the **Migration Object Tables, Structure** screen where you can find detailed information about the fields in the staging table.

You can also download metadata for all tables of a migration object. The system creates a .txt file that contains the structure of the tables. For each field, you can view information such as the length and data type as defined in the staging table. You can use this information, for example, to easily copy data to any export scripts that you might use to populate the staging tables with data.

## The Migration Object Tables Screen

On the **Migration Object Tables** screen, you can view the staging tables for a migration object. You can also view any uploaded files.

The **Migration Object Tables** screen contains the following tabs:

- Tables

On the **Tables** tab, you can view information about the staging tables such as the technical name of the staging tables and the current status. If you click a staging table, the system displays the **Migration Object Tables, Structure** screen where you can find detailed information about the fields in the staging table. To view the content of a table, click an entry in the **Rows in Staging Table** column.

On the **Tables** tab, the following options are possible:

- o Consistency Check

To migrate data from staging tables, all records needs to be associated with records at a higher level in the hierarchy. You can use this function to check whether these associations exist. This function is only relevant if you provided data directly to the staging tables.

If you are using files to populate the staging tables with data, this check is done automatically when validating the file.

- o Reset Table Settings

It is not possible to adjust the data in the staging tables while the preparation step, the migration, or the simulation is in process. However, in certain situations it is not possible to adjust the data in the staging tables even though none of these steps are in process. This can occur, for example, if a user cancelled jobs manually, or if an unexpected event occurred.

You can use the option **Reset Table Settings** to unlock the staging tables so that you can adjust data again. To do this, the system resets the settings for the tables.

On the **Migration Project** screen, the system resets the number of instances that have been simulated successfully and the number of instances for which errors exists to 0. The number of migrated instances is not adjusted. When adjusting data in the staging table, do not update field /1LT/PROCESSED.

- o Delete All Records

You can use the button **Delete All Records** to delete all records from selected staging tables, regardless of the status. Note that deleting records from the staging tables may result in errors or inconsistencies.

- o Adjust Structure

If the table has the status **Adjustment Required**, the system can change the structures of the selected staging tables so that they reflect the latest version of the migration object provided by SAP. To do this, choose the button **Adjust Structures**. Note that no data will be lost during this process.

For example, if the staging tables are located in a remote SAP HANA system, it is possible to adjust or even drop staging tables. If such an action was done in error, you can use this option to adjust the staging tables so that they reflect the latest version of the migration object provided by SAP.

- Files

On the **Files** tab, you can upload files and view any uploaded files. You can transfer the content of a file to the staging tables so that data can be transferred to SAP S/4HANA. If data from a file has been transferred to the staging tables, then this data will not be deleted from the staging tables if you delete the file.

The following feature is also available:

- Download Metadata

You can download metadata for all tables of a migration object. The system creates a comma-separated values (CSV) file that contains the structure of the tables. For each field, you can view information such as the length and data type. You can use this information, for example, to easily copy data to any export scripts that you might use to populate the staging tables with data.

## Viewing Migration Object Instances

### Context

After you have transferred data to the staging tables, you can view the migration object instances in the staging tables.

A migration object represents a business object. For example, the migration object **Bank** represents the business object **Bank**. A migration object instance is a set of one or more fields that have a defined relationship and that represent a business object instance. For example, a migration object instance for the migration object **Bank** comprises several fields such as:

- Bank Country Key
- Bank Key
- Bank Branch
- Bank Group
- Name of Bank

## Procedure

On the **Migration Project** screen, in the **Data** column, you can view the number of instances in the staging tables for a migration object. To view the instances, click the number of instances in the **Data** column. The system displays the **Migration Object Instances** screen, where you can view the records for each instance.

## The Migration Object Instances Screen

On the **Migration Object Instances** screen, you can view the records for each migration object instance. Each row represents one migration object instance and contains the fields for the instance.

In addition, you can view the following columns:

- Additional Fields

Each row can display up to five fields for a migration object instance. If a migration object instance contains more than five fields, you can view the additional fields by choosing the **Display All** link in this column.

- Source

If the migration object instance was transferred to the staging table using a file, the name of the file and a timestamp of the upload is displayed in this column.

- Action

The current action for the migration object instance. The following actions are possible:

- None
- Simulated
- Migrated

- Status

The status of the current action. An action can have one of the following status values:

- Initial (Only relevant for the action **None**)
- Success
- Error

The following options are also available:

- Deleting Migration Object Instances

If required, you can delete selected instances from the staging tables. To do this, select the relevant instances and choose the **Delete Instances** button. Note that instances that have already been successfully migrated to the target system cannot be deleted.

- View Messages for Migration Object Instances

For a migration object instance, you can view messages related to the simulation and the migration. To do this, select the relevant instances and choose the **Messages** button.

## Preparing the Staging Tables

### Prerequisites

For a migration object, you have transferred the data to the staging tables.

### Context

The staging tables for each migration object need to be prepared before they can be used to transfer data to SAP S/4HANA.

#### **i Note**

This process must be repeated whenever new data is added to the staging tables.

### Procedure

1. On the **Migration Project** screen, select the relevant migration object.
2. In the **Action** column, choose the option **Prepare**.
3. The system will prepare the staging tables so that they can be used to transfer data to SAP S/4HANA.
4. You can monitor the status of the preparation step in the **Monitoring** screen.

## Mapping Tasks

You need to process any open mapping tasks for the migration object before you can proceed with the simulation or the migration. Examples of mapping tasks include value mapping tasks (where you specify target values for corresponding source values) and fixed value tasks (where you set default values for target fields).

On the **Migration Project** screen, in the **Mapping Tasks** column, you can view the number of open and completed tasks for each migration object.

If a migration object has open tasks, click the relevant entry in the **Mapping Tasks** column. The system displays the **Mapping Tasks** screen. Alternatively, you can select the relevant migration object and choose the action **Mapping Tasks**.

#### **i Note**

You can also display all mapping tasks for a project by choosing the **Mapping Tasks** button located in the top right screen area.

On the **Mapping Tasks** screen, you can view the open mapping tasks (open mapping tasks have the status **To be Confirmed**) as well as any confirmed mapping tasks. You can also view whether any errors exist for mapping tasks. The system displays the mapping tasks in a list. You can view the following information for each mapping task:

- Mapping Tasks

The name of the task.

- Status

The status of the mapping task. Mapping tasks can have the status **Confirmed**, **To be Confirmed**, or **Error**.

### **i Note**

The system provides proposals for mapping values. If the system is unable to propose a meaningful mapping value, for example if the system detects that a proposed value will result in data loss, then the system sets the status of the mapping value to **Error**. The system then sets a blank value for the target value (indicated by the text **<Blank>** in the **S/4HANA Target Value** field). If a mapping task contains a mapping value that has the status **Error**, then the status of the mapping task is also **Error**.

- Type

The mapping task type. There are value mapping tasks (where you specify target values for corresponding source values) and fixed value tasks (where you set default values for target fields).

- Values

The number of values for the task, for example a value mapping task could involve specifying 10 target values.

You need to process the task by entering the relevant target values and confirming these target values. You can then set the status of the task to **Confirmed**. Once all mapping tasks for a migration object have the status **Confirmed**, you can proceed with the simulation or migration process for the migration object.

### **i Note**

You can easily confirm all mapping values for a mapping task by selecting the relevant mapping task and choosing **Confirm**. However, only mapping values with status **To be Confirmed** will be confirmed. Any mapping values that have the status **Error** will not be confirmed. It is still possible to confirm mapping values that have the status **Error**, but this needs to be done individually for each mapping value. You can do this by navigating to the relevant mapping value, selecting it, and choosing **Confirm**.

### **i Note**

The **Mapping Tasks** screen is not refreshed automatically. You may need to refresh the screen manually to view the latest status, especially if you confirm all mapping values for a task at once.

## Value Mapping Tasks

For **Value Mapping** tasks, you specify target values for corresponding source values. On the **Mapping Tasks** screen, select the relevant value mapping task that has the status **To be Confirmed**. The system displays the task in a new screen. On the left-hand side, the system displays the task and the current status.

On the right-hand side of the screen the system displays the name of the task, and the following information:

- Status

The status of the task. Mapping tasks can have the status **Confirmed** or **To be Confirmed**.

- Type

The type of task. There are **Value Mapping** tasks (where you specify target values for corresponding source values) and **Fixed Value** tasks (where you set default values for target fields).

- Used In

The migration object that uses the task. If the task is used by more than one migration object, the system displays a link with the text **Migration Objects**. You can click this link to view the migration objects that use the task.

- Documentation

To view the documentation for the mapping task, click the **Show** link.

On the right-hand side, under **Values**, the system displays the values that need to be confirmed for the task. You can view the following information:

- Source Value

The value of the relevant field in the source system.

- Target Value

The value of the corresponding field in the target system. By default, the system proposes the source value as the target value.

- Status

The status of the specific values (either **Confirmed** or **To be Confirmed**).

- Action

Once you have entered a target value (or accepted the proposal provided by the system) you confirm the value for the task. To do this, you can choose the **Confirm** button.

For each value that has the status **To be Confirmed**, you need to either enter a value in the **Target Value** field or accept the proposal provided by the system (if provided). Note that a space is also considered a valid value. You then select the checkbox for the relevant row and choose the **Confirm** button. Once all the values have the status **Confirmed**, the system changes the status of the task to **Confirmed** on the **Mapping Tasks** screen.

## Example

There are open value mapping tasks for the migration object **FI - G/L Account**. One of these open value mapping tasks is the **Mapping of Company Code** value mapping task. You use this task to check whether the target company codes need to be changed, or if they should remain the same as the source system.

In this example, the company code 0001 remains the same as in the source system, but the data associated with company code Z001 will now be assigned to company code ZZ99.

Source Company Code	Target Company Code
0001	0001
Z001	ZZ99

# Deleting Mapping Values

## Context

You can delete the mapping values for value mapping tasks. You can delete specific mapping values for a mapping task, or you can delete all mapping values for a mapping task. If you delete all mapping values for a mapping task, the relevant mapping task will no longer be displayed on the **Mapping Tasks** screen. If you upload mapping values for the mapping task again, the mapping task will be displayed on the **Mapping Tasks** screen once more. Alternatively, if you prepare the staging tables again, the mapping task will be displayed on the **Mapping Tasks** screen once more.

### i Note

Mapping values are required for simulating the migration and for migrating data. Deleting mapping values may cause errors or may result in inconsistent data, especially if mapping values are used by multiple migration objects, or if mapping values were created by the system (for example for internal numbering).

## Procedure

1. On the **Mapping Tasks** screen, select the relevant mapping task. The system displays the mapping task in a new screen.
2. Under **Values**, select the relevant mapping values.
3. Choose the **Delete Values** button. The system will delete all the selected mapping values.

On the **Mapping Tasks** screen, you can delete all the mapping values for a mapping task. To do this, select the relevant mapping task and choose the **Delete Values** button.

On the **Monitoring** screen, you can view the deleted mapping values. You can view information such as the user that deleted the mapping values as well as the total number of mapping values that were deleted.

## Fixed Value Tasks

For **Fixed Value** tasks, you specify default values for target fields. On the **Mapping Tasks** screen, select the relevant fixed value task that has the status **To be Confirmed**. The system displays the task in a new screen.

On the left-hand side, the system displays the task and the current status. On the right-hand side, under **Values**, the system displays the value that needs to be confirmed for the task. You can view the following information:

- Customizing

The value of the field in the target system. In some cases, the system will propose a suitable value for the target field.

- Status

The status of the specific values (either **Confirmed** or **To be Confirmed**).

- Action

Once you have entered a target value (or accepted the proposal provided by the system) you confirm the value for the task. To do this, choose the **Confirm** button.

For each fixed value that has the status **To be Confirmed**, you need to either enter a value in the **Customizing** field or accept the proposal provided by the system (if provided). You then select the checkbox for the fixed value and choose the **Confirm** button.

## Example

There are open fixed value tasks for the migration object **FI - G/L account balance and open/line item**. One of these open fixed value tasks is the **Fixed Value for Document Type of G/L Balance Transfer** fixed value task.

You need to define a document type that is used when the balances are created in the target SAP S/4HANA system. To do this, you enter the value **SA** in the **Customizing** field of the **Document Type** fixed value task.

## Control Parameter Tasks

Certain migration objects use control parameter mapping tasks to control specific data migration procedures.

### Example

When using the migration object **Material Inspection Setup** to migrate data to SAP S/4HANA, you need to process the control parameter mapping task **Take default values for inspection type** to decide whether you want to use values for inspection types from the source file or whether to let the system determine the default values according to your customizing settings for inspection types.

## Downloading Template Files for Mapping Tasks

### Context

Microsoft Excel template files are available for each mapping task. If you need to specify a large number of values for a mapping task, you can use these template files instead of specifying the values manually in the SAP S/4HANA migration cockpit.

### Procedure

1. On the **Mapping Tasks** screen, choose **Download Mapping Templates**.
2. Select the relevant mapping tasks and choose the **Download** button.
3. The system creates a zip file that contains the template files.
4. Populate the template files with data and save them locally.

A template file for a mapping task contains the following sheets:

- o Signature

On the **Signature** sheet, you can view the data type and length for the source and target fields.

- o Data

On the **Data** sheet, you specify values for the target SAP S/4HANA fields.

## Uploading Mapping Values

### Prerequisites

You have downloaded a template file for a mapping task and filled the file with data.

### Context

You can upload mapping values for a mapping task.

## Procedure

1. On the **Mapping Tasks** screen, choose **Upload Values**. The system displays the **Upload Mapping Values** screen.
2. On the **Files** tab, upload the file by using the **Upload** button or the drag and drop function. You can upload single files as well as zip files.

Under **Additional Settings**, you can specify additional options for transferring the mapping values to the SAP S/4HANA Migration Cockpit. These options include:

- o Options for Confirming Values

To set the status of the mapping values to **Confirmed**, choose the option **Confirm Values Automatically**. Otherwise, choose **Do Not Confirm Values Automatically**.

- o Options for Loading Values

To delete any existing values for the task and replace them with the values from the file, choose the option **Replace Existing Values**. If you choose the option **Modify Values / Add Values**, any duplicate values will be replaced with the values from the file.

3. To upload the mapping values, choose **Upload Values**.

## Simulating the Migration

Once you have prepared the staging tables and processed all open tasks for a migration object, you can simulate the transfer of data to the target SAP S/4HANA system. Note that no data is written to the target SAP S/4HANA system during the simulation process, but you can view all the messages that would occur during an actual data transfer (for example information about a cost center that does not exist).

### **i** Note

When you simulate the migration for first time, additional mapping tasks may appear. You need to process these mapping tasks and repeat the simulation before you can proceed with the migration.

On the **Migration Project** screen, select the relevant migration object and choose the action **Simulate**. The system simulates the migration for all migration object instances in the staging tables for the migration object.

### **i** Note

You can also simulate the migration for specific migration object instances. You can do this on the **Migration Object Instances** screen by selecting the relevant migration object instances and choosing the **Simulate** button.

### **i** Note

On the **Monitoring** screen, you can cancel the simulation process. Under **Activities**, select the relevant activity, for example **Simulate Data**. In the **Options** field, you can then choose the option **Cancel**.

## Monitoring the Status of the Simulation

You can monitor the status of the simulation for a migration object. On the **Migration Project** screen, choose the button **Monitoring**. The system displays the **Monitoring** screen, where you can view the active and completed activities, for example

**Simulation Started** or **Simulation Completed**. You can view the number of migration object instances that have been processed, as well as the number of background jobs that are used to simulate the transfer.

On the **Migration Project** screen, you can view the number of migration object instances that have been simulated successfully, and the number of migration object instances that have errors. To view the instances, click the relevant number in the **Simulation** column.

If you are sure that errors for a specific activity can be ignored, you can set the status of the activity to **Errors Resolved**. The activity will not be displayed when you use the filter to view the activities with errors (status **Completed with Errors** or **Failed**).

## Migrating Data to SAP S/4HANA

Once you have prepared the staging tables and processed all open tasks for a migration object, you can transfer data to the target SAP S/4HANA system. Note that we recommend that you first simulate the migration.

On the **Migration Project** screen, select the relevant migration object and choose the action **Migrate**. The system will migrate the migration object instances in the staging tables for the migration object. Note that any instances that have already been migrated will not be migrated again.

### i Note

You can also migrate specific migration object instances. You can do this on the **Migration Object Instances** screen by selecting the relevant migration object instances and choosing the button **Migrate**.

### i Note

On the **Monitoring** screen, you can cancel the migration process. Under **Activities**, select the relevant activity, for example **Migrate Data**. In the **Options** field, you can then choose the option **Cancel**.

## Monitoring the Status of the Migration

You can monitor the status of the migration for a migration object. On the **Migration Project** screen, choose the button **Monitoring**. The system displays the **Monitoring** screen, where you can view the active and completed activities, for example **Migration Started** or **Migration Completed**. You can view the number of migration object instances that have been processed, as well as the number of background jobs that are used for the migration.

On the **Migration Project** screen, you can view the number of migration object instances that have been migrated successfully, and the number of migration object instances that have errors. To view the instances, click the relevant number in the **Migration** column.

If you are sure that errors for a specific activity can be ignored, you can set the status of the activity to **Errors Resolved**. The activity will not be displayed when you use the filter to view the activities with errors (status **Completed with Errors** or **Failed**).

## Viewing the Migration Results

On the **Migration Object Instances** screen, you can view the migration results for migration object instances by switching to the **Migration Results** view. When you choose this view, the system displays the **Result of Step "Migration"** field that contain the migration results. In this result field, you can view the data that has been created in the SAP S/4HANA system for a migration object instance. You can download the migration results by choosing the **Download** button. The system will create a text file that contains the migration results.

You can also navigate directly to the relevant SAP Fiori app for the migration object to view the newly created data. To do this, click an entry in the **Result** column. Note that there are prerequisites for accessing apps, such as required business roles. For more information, see the documentation for the relevant migration object on the SAP Help Portal.

## Creating Correction Files

### Context

If errors occur during the simulation process or during the migration, you can use a correction file to correct the errors. A correction file contains all the migration object instances in the staging tables that have the status **Error**. You can adjust the correction file to resolve the errors, upload the file, and then either migrate the migration object instances to the target system or simulate the migration of data.

### Procedure

1. On the **Migration Object Instances** screen, choose the button **Create Correction File**. You can also create a correction file from the **Migration Project** screen by selecting the relevant migration object and choosing the action **Create Correction File**.
2. The system displays the **Select Source** dialog. In the **Select Source** dialog, the system lists the files that can be used to create the correction file. Select the relevant files and choose **Create Correction File**.
3. Navigate to the **Monitoring** screen and locate the relevant migration object.
4. When the status of the activity **Generate Correction File** changes to **Finished**, the system displays a **Download File** link.
5. Click the **Download File** link and save the file.

## Transferring Data from a Correction File to the Staging Tables

### Prerequisites

You have created a correction file to resolve errors that occurred during the simulation process or during the migration process. You have adjusted the values in the file to resolve these errors.

### Context

#### **i Note**

On the **Migration Object Instances** screen, you can delete the instances with errors. This ensures that no duplicate key errors will occur when uploading the correction file. If you do not delete the instances with errors, the system will identify duplicate key errors when uploading the correction file and display options for handling the duplicate key errors. If you choose the option **Replace Duplicates with Instances from File**, the system will delete the duplicate instances from the staging tables and replace them with the instances from the correction file.

### Procedure

1. On the **Migration Project** screen, select the relevant migration object and choose the action **Upload File**.
2. The system displays the **Migration Object Tables** screen. On the **Files** tab, you can upload the correction file and view the status of the validation and transfer process. To upload a file, you can either use the **Upload** button or use the drag and drop function.
3. The system uploads the file to the SAP S/4HANA migration cockpit. On the **Files** tab, you can view the status of the upload.

4. The system validates the data in the file. On the **Files** tab, you can view the status of the validation as well as information such as the time the process was started.
5. Once the file has been validated successfully, the system automatically starts transferring the data in the file to the staging tables. Once all the data in the file has been transferred to the staging tables, the system displays the information **Data Successfully Transferred to Staging Tables**. You can also view information such as the number of transferred migration object instances.

# Migrate Data Directly from SAP System

## Context

The SAP S/4HANA migration cockpit facilitates the transfer of business data from certain SAP source systems to SAP S/4HANA. The SAP S/4HANA migration cockpit uses migration objects to identify and transfer the relevant data. A migration object describes how to migrate data for a specific business object to SAP S/4HANA. It contains information about the relevant source and target structures, as well as the relationships between these structures. It also contains mapping information for the relevant fields, as well as any rules used to convert values that are migrated from source fields to target fields. SAP provide predefined migration objects that you can use to transfer your data.

The SAP S/4HANA migration cockpit is designed for an initial load of data, specifically for the SAP S/4HANA new implementation scenario. It is not designed to keep data in sync between systems, to realize a continuous exchange or flow of data, or to establish an integration scenario. Other SAP products and solutions products are available for this purpose.

### **i Note**

#### **Important information regarding the processing of personal data**

Customers are responsible for the data in their systems, and also responsible for complying with local laws regarding data protection and privacy. SAP provide tools to support with this, such as data retention and read access logging.

Data protection legislation may require that personal data is deleted once the data has served its originally defined purpose and is also no longer subject to additional legal data retention requirements.

Data protection legislation may require that personal data is deleted once the data has no longer any purpose and is also no longer subject to additional legal data retention requirements. If data protection legislation is applicable in your case, then migrating personal data which should have been deleted could be interpreted as the processing of personal data without any legally justified purpose.

In this case, it is crucial to ensure that such personal data is not migrated to the target SAP S/4HANA system.

### **i Note**

#### **Preventing unauthorized access to data**

Certain migration objects require additional authorizations for processing the data in the **Migrate Your Data** app. If you are using staging tables as intermediate storage, you can view and modify the staging tables in the remote SAP HANA database schema.

Preventing unauthorized access to data is crucial. You need to ensure that only authorized users can view and modify the relevant staging tables in the remote SAP HANA database schema.

## Before You Start

You use an RFC connection to connect the SAP S/4HANA migration cockpit to your source system. The SAP S/4HANA migration cockpit selects data from the source system by using specific criteria. For example if you are using the migration scenario SAP ERP to SAP S/4HANA, then the SAP S/4HANA migration cockpit selects data using company codes (you specify the relevant company codes when creating a project). Note the following information for the migration scenarios:

- If you are using the migration scenario **SAP ERP to SAP S/4HANA**, the lowest supported ERP release is ERP 6.0 (SAP NetWeaver 7.0).
- If you are using the migration scenario **SAP Apparel and Footwear (SAP AFS) to SAP S/4HANA**, the supported release is AFS 6.0.
- If you are using the migration scenario **SAP EWM to EWM in SAP S/4HANA**, the lowest supported EWM release is EWM 5.1 (SAP NetWeaver 7.0).
- If you are using the migration scenario **SAP CRM to SAP S/4HANA for Customer Management**, the lowest supported CRM release is SAP CRM 7.0.
- If you are using the migration scenario **SAP APO SPP to SAP S/4HANA Extended Service Parts Planning (eSPP)**, the lowest supported SCM release is SAP SCM 7.14.

You use a migration project to connect to one specific source system. It is not possible to change the source system in a project. However, you can connect to a different system by creating a new project or copying an existing project. For more information, see [Creating Migration Projects](#).

Source systems can be non-Unicode systems. These systems are connected to the SAP S/4HANA system by means of an RFC connection. This means that the conversion to the SAP S/4HANA data model is done automatically when loading data to the SAP S/4HANA migration cockpit.

## i Note

It is not possible to use an SAP S/4HANA system as a source system.

To check whether your source system is compatible with your target SAP S/4HANA system, see SAP Note [3209755](#).

## Prerequisites

- You can use the report **Analyze SAP Notes** to check whether all necessary SAP Notes are installed. For more information, see SAP Note [3016862](#).
- You have installed the relevant DMIS add-on in the source system. Use SAP Note [2572945](#) to determine the correct version (section **1.2 SAP S/4HANA Migration Cockpit > Compatibility Information**). This add-on is included in the license for SAP S/4HANA. For more information, see the SAP S/4HANA Installation Guide and SAP Note [3209755](#).
- To access the Fiori application, you need to install SAP Fiori. For more information, see section Installation of SAP Fiori in the SAP S/4HANA Installation Guide.
- If you are using staging tables as intermediate storage, you need to create a database connection in transaction DBCO, and manually add it to table DMC\_C\_WL\_DBCO\_OP in the SAP S/4HANA system using transaction SM30.

## Roles and Authorizations

SAP S/4HANA Migration Cockpit users use RFC connections to connect the SAP S/4HANA migration cockpit to the source system, but they do not access data in the source system directly. The RFC connection contains a remote user (or RFC user) that accesses the data in the source system. You can use role SAP\_DMIS\_MC\_DT\_REMOTE to restrict the activities that can be performed in the source system by this remote user.

Note the following when creating the RFC connection:

- The RFC user in the SAP source system must have the role `SAP_DMIS_MC_DT_REMOTE`. Ensure that you generate the authorization profile for the role.
- For security reasons, we recommend that this RFC user is a user of type **Communication**.
- On the tab **Logon & Security**, ensure that the option **Trust Relationship** has the value **No**.
- On the **Special Options** tab, ensure that the value of the **Serializer** field is **Fast Serializer**. Ensure that the value of the **Interface Check for Fast Serialization** field is **Destination for New Scenario**.

To transfer data using the SAP S/4HANA migration cockpit, a user with the role `SAP_CA_DMC_MC_USER` is required in the SAP S/4HANA system. This user must also have the role `SAP_BR_CONFIG_EXPERT_DATA_MIG` for the front-end server.

In addition, the corresponding role for each migration object is also required.

To use the SAP S/4HANA migration object modeler (transaction LTMOM), role `SAP_CA_DMC_MC_DEVELOPER` is required in the SAP S/4HANA system.

If you want to develop your own source code rules, additional development authorizations are required. This means that the additional authorization object `S_DEVELOP` is required with the following values:

- `DEVCLASS = < the development package that is used for the migration project >`
- `OBJTYPE = 'CLAS'`
- `OBJNAME = *`
- `P_GROUP = *`
- `ACTVT = 01, 02, 06`

The values for the field `ACTVT` correspond to the actions that can be performed, namely:

- 01: Create (valid for all object types)
- 02: Change (valid for all object types)
- 06: Delete (valid for all object types)

## Planning Your Migration Projects

SAP provides predefined migration objects that you can use to transfer data to a target SAP S/4HANA system. SAP can deliver updated versions of these migration objects to your SAP S/4HANA system during the following events:

- Upgrading your SAP S/4HANA system to a new release.
- Implementing a new feature package or support package in your SAP S/4HANA system.
- Implementing an SAP Note transport-based correction instruction (TCI) in your SAP S/4HANA system.

If SAP delivers updated versions of migration objects to your SAP S/4HANA system during one of the events listed above, the updated migration objects are immediately available in all clients of the SAP S/4HANA system.

### i Note

In older releases, SAP delivered updated versions of migration objects to client 000 only. You were then required to load the updated migration objects from client 000 to the relevant clients.

When you add a migration object to your project, the system uses the migration object provided by SAP as a template and makes a copy of this migration object for your project.

When SAP delivers updated versions of migration objects to your SAP S/4HANA system, the migration objects in your projects are not updated as they are copies of the migration objects provided by SAP.

SAP will deliver all available updated versions of migration objects during one of the events listed above. It is not possible, for example, for SAP to only deliver an updated version of one specific migration object.

To understand how updates to migration objects will affect your existing projects, consider the following examples:

## Example

A migration project contains migration object A and migration object B. SAP delivers updated versions of migration objects A and B to your SAP S/4HANA system during one of the events listed above. The migration objects in the project are not updated to reflect the latest version of the corresponding template migration objects. This is because the migration objects in the project are copies of the migration objects provided by SAP.

## Example

A migration project contains migration object A. SAP delivers an updated version of this migration object to your SAP S/4HANA system during one of the events listed above. The migration object in the project is not updated to reflect the latest version of the migration object delivered by SAP. However, you can add the updated version of migration object A to your project. To do this, you use the option **Create Migration Object from Template** in transaction LTMOM.

## Example

SAP delivers an updated version of migration object A to your SAP S/4HANA system during one of the events listed above. You now want to use this updated migration object to transfer data to SAP S/4HANA. You create a new migration project, and add migration object A. This new project contains the updated version of migration object A.

## Recommendation

If you upgrade your SAP S/4HANA system to a new release, we strongly recommend creating completely new migration projects as using older projects may result in technical issues.

# The Migration Process

The general process for migrating data to SAP S/4HANA is as follows:

1. In the SAP S/4HANA system, you access the SAP S/4HANA migration cockpit by choosing the **Migrate Your Data** app in the Fiori Launchpad.
2. You create a migration project, and select the migration objects that are relevant for your project. Migration objects are delivered by SAP, and describe how to migrate data from the source system (which tables are needed and the relationships between the tables) to SAP S/4HANA.

Note that you typically first create a project in a development system. You then transport the project to a test system which is a copy of the production SAP S/4HANA system. For each new test data migration, you transport a migration project that

includes any corrections or refinements identified in the previous test to the new test system. When you are finally ready to transfer your data to the production SAP S/4HANA system, you can transport the project to the production system. For more information, see [Transporting Migration Objects to the Test System](#)

3. For each migration object, the SAP S/4HANA migration cockpit selects the relevant data from the source system. Note that the system selects data from the source system based on specific criteria. For example if you are using the migration scenario SAP ERP to SAP S/4HANA, then you select data using company codes (you specify the relevant company codes when creating a project).

If required, you can extract the data to staging tables. You can then migrate your data from the staging tables to SAP S/4HANA.

4. For each migration object, you prepare the mapping tasks so that they can be processed.
5. For each migration object, you process any open mapping tasks.

There are mapping tasks associated with migration objects that must be processed before the migration can proceed. Examples of mapping tasks include **Value Mapping** tasks (where you specify target values for corresponding source values) and **Fixed Value** tasks (where you set default values for target fields).

6. Optional: You simulate the transfer of data to the target SAP S/4HANA system.
7. You migrate data for the migration object to the target SAP S/4HANA system.


## Creating Migration Projects

### Context

You use migration projects to facilitate the transfer of data from a source system to SAP S/4HANA. In order to migrate data to SAP S/4HANA, you must first create a migration project. You use a migration project to specify the data that you want to transfer, and to monitor the status of the migration.

You typically first create a project in a development system. You then transport the project to a test system which is a copy of the production SAP S/4HANA system. The more the data in the test system resembles the data in the production system, the more precise your test will be.

#### **i Note**

It is only possible to create projects in systems that have specific settings. These systems are typically development systems, not productive or quality systems. For more information about these system settings, see SAP Note [3043614](#) .

#### **i Note**

You may want to use a different client or even a different source system for test purposes. However, if you want to connect to a new source system or client, you need to create a new migration project or copy an existing project.

When you create a migration project that connects the SAP S/4HANA migration cockpit to a source system, the SAP S/4HANA migration cockpit creates objects (for example ABAP dictionary and repository objects) in the source system. These objects allow the SAP S/4HANA migration cockpit to select data from the source system. However, if you simply change the RFC connection that is used by a migration project, these objects are not created in the new source system or client. You therefore need to create a new project or copy an existing project if you want to migrate data from a different system or client.

Note that if your migration project uses a source system that is refreshed with new data, you also need to create a new migration project or copy an existing project as the objects mentioned above will not be present in the refreshed source system.

Usually, several test data migrations are required before you transfer data to the SAP S/4HANA production system. For each new test data migration, you transport a migration project that includes any corrections or refinements identified in the previous test to the new test system. If you have adjusted migration objects using the SAP S/4HANA migration object modeler (transaction LTMOM), the changes need to be transported for any subsequent tests.

To avoid specifying all mapping values again in your newly created project, you can download the mapping values from your previous test and upload them to your new project.

When you are finally ready to transfer your data to the SAP S/4HANA production system, you transfer your project to the production system. The migration is client-specific, so you transfer your project to the relevant client of the target SAP S/4HANA system.

To create a migration project, proceed as follows:

1. In the SAP S/4HANA system, you access the SAP S/4HANA migration cockpit by choosing the **Migrate Your Data** app in the Fiori Launchpad.
2. Choose **Create** and then **Migrate Data Directly from SAP System**. The system displays the **New Migration Project** screen. Creating a project involves several steps. In the first step you specify general data for the project. In the second step you specify the organizational units that are used to select data from the source system. You then decide whether you want to use staging tables as intermediate storage. In the final step, you select the relevant migration objects.

3. Under **General Data**, you specify the following information:

- o Name

The name of the project.

- o Scenario

The migration scenario. The following migration scenarios are available:

- SAP Apparel and Footwear (SAP AFS) to SAP S/4HANA
- SAP ERP to SAP S/4HANA
- SAP EWM to Decentralized EWM
- SAP CRM to SAP S/4HANA for Customer Management

### **i Note**

Different migration objects are relevant for different scenarios. The system displays the relevant migration objects based on the selected scenario.

- o Connection to Source System

The RFC connection from the SAP S/4HANA system to the source system.

4. Choose the button **Step 2**.

5. Under **Select Data**, you specify the relevant criteria that is used to select the data for the relevant migration objects.

### **i Note**

The Migration Cockpit uses organizational units such as company codes to select data from the source system. These organizational units are predefined for each scenario. For example, the scenario SAP ERP to SAP S/4HANA uses company codes to select data from the source system. Only data that is relevant for the specified organizational units will be selected from the source system.

In the SAP S/4HANA migration cockpit you can only restrict the selection by using specific criteria such as company codes. In the SAP S/4HANA migration object modeler (transaction LTMOM), you further restrict the selection if required.

6. Choose the button **Step 3**.
7. Under **Staging Tables (Optional)**, you decide whether to use staging tables as intermediate storage. If you want to use staging tables, specify the relevant connection to the remote SAP HANA schema in the **Database Connection** field. For more information about creating the database connection, see [Before You Start](#).
8. Choose the button **Step 4**.
9. Under **Migration Objects**, the system displays the relevant migration objects based on the selected migration scenario. You select the migration objects that are relevant for your project.

Under **Available Migration Objects**, the system displays a list of available migration objects based on the selected migration scenario. Select the objects that are relevant for your project and choose the button **Move to Selected Migration Objects**. The system moves the object to the **Selected Migration Objects** area. To remove objects from the **Selected Migration Objects** area, select the migration objects you want to remove and choose the button **Move to Available Migration Objects**.

### **i Note**

If your migration project uses staging tables as intermediate storage, you need to activate staging tables for the relevant migration objects by using the switch in the column **Staging Tables**. By default, staging tables are not active for migration objects.

10. Review your settings, and choose **Create Project** to create your project.

## Copying Migration Projects

### Context

You can create a new project that is a copy of an existing project, that contains all the migration objects, mapping tasks and settings, including any custom changes. You specify a new name for the project, and can adjust the connection to the source system and the selection criteria if required. Note that only the definition of the mapping tasks are copied to the new project. No mapping values, or fixed values are copied.

Copying a project can make sense in the following situations:

- Using templates

You can create one migration project that will act as template for other migration projects. You can then copy this project multiple times to manage the migration in an efficient way. For example, you might copy the leading template project to a new migration project which you would use to migrate data for a specific set of companies. You could then copy the leading template project to another migration project which you would use to migrate data for the remaining companies.

- Reusing successful projects

You want to reuse the settings of a successful project. For example, you may have successfully migrated some companies in a migration project. Later you need to migrate data which requires a similar migration project setup. You can simply copy the successful project and reuse it.

- Creating similar migration projects in a test environment

You want to create similar migration projects in a test environment. You can copy your migration project and then just adjust certain settings of the newly created projects for test purposes.

- Transporting a project to a different system

You can copy a project so that it can be transported to another system. For example, a project might use a local development package that cannot be transported to another system. You can copy this project and assign a development package that can be transported. You can then transport this newly created project to a different system.

## Procedure

1. On the **Migration Project** screen, select the project that you want to copy.
2. Choose the **Copy** button. The system displays the **New Migration Project** screen.
3. Specify a name for the project.
4. If required, you can specify a different connection to the source system. It is not possible to change the migration scenario.
5. Choose the button **Step 2**.
6. Under **Development Package**, you can specify a different development package if required.
7. Choose the button **Step 3**.
8. Under **Select Data**, you can adjust the criteria that is used to select the data for the migration objects.
9. Choose the button **Step 4**.
10. Under **Migration Objects**, the system displays the migration objects that will be copied to the new project. Note that it is not possible to add additional objects, or to remove any migration objects in this step. If required, you can add additional migration objects to the project once it has been created. Note that any migration objects that have the status **Not Ready for Processing** will not be copied to the new project.
11. Review your settings and choose **Create Project** to create your project.

## Transporting Migration Objects to the Test System

The following activities are only permitted in the development system:

- Creating migration projects
- Adding migration objects to migration projects
- Adjusting migration objects

You can use transaction LTMOM to transport migration objects from the development system to the test system. If additional adjustments to migration objects are required, you need to adjust the relevant migration object in the development system and then transport the migration object to the test system again. In this way, the adjusted migration object will overwrite the migration object in the test system.

### i Note

In transaction LTMOM, you can add your migration project to a transport request by using the option **Add to Transport Request**. Note that if you change the configuration of your migration project, for example if you create a new transformation rule, you need to add the relevant object to the relevant transport request by using the option **Add to Transport Request** in transaction LTMOM.

After a successful test cycle, you can reset the test system and then transport the migration project from the development system to the test system again.

This approach ensures that the status of your migration objects remain stable for your test cycles, even if updated versions of migration object are available in the production system. This is important as you may want to continue testing with a migration object, even if a newer version of the migration object is available in the development system.

However, if you create a new project in the development system or add a new version of a migration object in the development system using transaction LTMOM, then the updated version of a migration object will be used for your tests. It is important to consider this information when planning your test cycles.

## The Migration Project Screen

When you open a migration project, the system displays the **Migration Project** screen. On the **Migration Project** screen, you trigger all the steps that are required to transfer the data for each migration object to the target SAP S/4HANA system.

For each migration object, these steps are:

1. Selecting the data from the source system
2. Preparing the mapping tasks
3. Processing any open mapping tasks
4. Simulating the migration to the target SAP S/4HANA system (optional)
5. Migrating the data for the migration object to the target SAP S/4HANA system

You carry out these steps for each migration object that is part of your project. If a migration object has a predecessor object, the predecessor object must be processed first. You can view whether a migration object has a predecessor object in the **Migration Object** column.

The **Migration Project** screen contains the following columns:

- Migration Object

In this column, you can view the name of the migration object. You can also view any predecessor objects. To view detailed information about a migration object, click a migration object name in this column. The system displays the **Migration Object** screen. For more information, see [Additional Information About Migration Objects](#).

You can also view the status of the migration object in this column. For more information, see [Migration Object Status](#).

- Data

In this column, you can view the number of migration object instances that have been selected from the source system for each migration object. You can also view the number of excluded migration object instances.

- Mapping Tasks

In this column, you can view the number of open and completed mapping tasks for each migration object.

- Simulation

In this column, you can view the number of migration object instances that have been simulated successfully, and the number of instances for which errors exist.

- Migration

In this column, you can view the number of migration object instances that still have to be migrated to the target SAP S/4HANA system, as well as the number of migration object instances that have been migrated successfully, and the number of instances for which errors exist.

### **i Note**

If not all transfer steps have completed successfully, then the relevant migration object instances will have the status **Partially Processed**.

- Migration Progress

In this column, you can view the status of the migration. If the migration has not started for a migration object, the text **Migration Not Started** is displayed. If the migration has started for a migration object, you can view the following percentage values:

- Percentage of instances migrated successfully
- Percentage of instances with errors
- Percentage of instances not yet started

- Action

In this column, you can trigger an action for a migration object. For example, you can start the simulation process for a migration object.

## Additional Information

### Monitoring

To view a log of all activities, choose the **Monitoring** button. The system displays the **Monitoring** screen. You can view the active activities (for example **Migration Started**) and completed activities (for example **Migration Completed**).

### Settings

You can view the current settings for your project at any time by choosing the **Settings** button. The system displays the **Project Settings** screen, where you can also change settings for the project, for example you can add additional migration objects and change the number of jobs that are used for the project. For more information, see [Project Settings](#).

### Mapping Tasks


You can view a list of all mapping tasks for all the migration objects in your project. For more information about tasks, see Mapping Tasks.

### Finishing a Project

When you have finished your migration project, you can set the status of the project to **Finished**. When you set the status of a project to **Finished**, no further changes are possible. However, you can still view the project. To set the status of a project to **Finished**, choose the **Finish** button.

When you set the status of a project to **Finished**, you can specify a data retention period. The retention period is the length of time (in days) that the project and all associated data is kept in both the SAP S/4HANA system and source system after you have set the status of the project to **Finished**. Note that the data in the source system includes programs used to extract the data, as well as information about the data that was transferred. To specify a retention period, set the option **Data Retention Period** to **On**. The data will be deleted from both the SAP S/4HANA system and the source system when the retention period expires. If you set the option **Data Retention Period** to **Off**, then the project and all associated data will be kept in the system indefinitely. If required, you can change the retention time for finished projects. To do this, open the relevant project and choose the **Settings** button. You can find the settings for retention period on the **Technical Information** tab.

### i Note

If the project has not been deleted after the retention period, contact your system administrator to check that the retention job (job /LTB/RETENTION) is running. For more information, see SAP Note [2997667](#) .

### Views

The following views are provided:

- Standard

Migration objects are ordered by name.

- Sequence Information

As you will need to process migration objects in a specific order, the **Sequence Information** view can guide you on how to transfer data to the target system to ensure data integrity and consistency. In this view, the system places the migration objects in your project in different groups.

The migration objects in the **Project-Specific Group** have dependencies to each other. The sequence in which these objects are processed is project-specific. You need to analyze the migration objects in this group to determine the correct sequence for migrating data according to your business requirements. Note that if your migration project does not contain any migration objects that are relevant for this group, the **Project-Specific Group** is not displayed.

You can then migrate the data for the migration objects in group 1. After completing this, migrate the data for the migration objects in group 2. You can then migrate the data for the migration objects in group 3, and so on.

## Project Settings

You can view the current settings for your project at any time by choosing the **Settings** button. The system displays the **Project Settings** screen, where you can view the following information:

- The migration project name.

If required, you can change the name of the migration project. To do this, choose the **Edit** button, and enter a new name in the **Name** field.

- The migration scenario.
- The RFC connection from the SAP S/4HANA system to the source system.

In addition, you can view the following sections:

- Select Data

Under **Select Data**, you can view the relevant criteria that is used to select the data for the relevant migration objects.

- Migration Objects

Under **Migration Objects**, you can view the migration objects in the project. If required, you can add additional migration objects to your project. To do this, choose the **Edit** button, select the relevant objects and choose **Save**.

- History

Under **History**, you can view the different actions for the project (for example **Project Created** or **Simulation Failed**). You can view the user that started the action as well as the start time and date and the end time and date. You can also view the log for each action.

- Technical Information


Under **Technical Information**, you can view the following information:

- Data Retention Period

The retention period is the length of time (in days) that the project and all associated data is kept in the SAP S/4HANA system and in the source system after you have set the status of the project to **Finished**. Note that the

data in the source system includes programs used to extract the data, as well as information about the data that was transferred. If required, you can change the retention time for finished projects.

### **i Note**

If the project has not been deleted after the retention period, contact your system administrator to check that the retention job (job /LTB/RETENTION) is running. For more information, see SAP Note [2997667](#) .

Under **Technical Information**, you can also view general technical information about the project such as the object ID. If you need to contact SAP for support, this information might be required.

## Job Management

On the **Job Management** screen, you can adjust the maximum number of background jobs that are used for your project. The default number of background jobs for a project is 15. One job is reserved by the scheduling process and is not used by any migration objects. The remaining jobs are distributed equally among the migration objects.

By default, all available application servers are used for the migration project. To avoid any business disruption, you can run your migration projects on a dedicated application server or application server group. Under **Option for Project**, you can select the relevant application server or application server group (if available).

You can also adjust the number of background jobs for specific migration objects. Under **Jobs Used for Migration Objects**, you can view the number of jobs assigned to each migration object in your project. Migration objects are grouped as follows:

- No Constraints

You can adjust the number of jobs assigned to the migration object.

- Selection Process Only (1 Job for Simulation / Migration)

For certain migration objects, only one job can be used for the migration or for the simulation process. However, for these migration objects, you can adjust the number of jobs used for the selection process.

- Status "Not Ready for Processing"

If a migration object has the status **Not Ready for Processing**, it is not possible to adjust the number of jobs.

Note that if an activity has already started for a migration object, then increasing or decreasing the number of jobs for the migration object will have no effect on that activity.

### Example 1

You specify 5 background jobs for your project (in the **Maximum Number of Background Jobs for Project** field). You then specify 1 background job for migration object A and 1 job for migration object B. Result: 1 job will run in parallel to process migration object A, and 1 job will run in parallel to process migration object B. The additional jobs specified for your project are not used in this case.

### Example 2

You specify 8 background jobs for your project (in the **Maximum Number of Background Jobs for Project** field). You then specify 8 background jobs for migration object A and 5 jobs for migration object B. Result: A maximum of 8 jobs will be used for object A, and a maximum of 5 jobs will be used for object B. The overall number of active background jobs for the project will not exceed 8 jobs.

### Example 3

You specify 3 background job for your project (in the [Maximum Number of Background Jobs for Project](#) field). You then specify 3 background jobs for migration object A and 3 jobs for migration object B. Result: 3 jobs will process migration object A and migration object B in a round robin procedure.

## Additional Information About Migration Objects

The SAP S/4HANA migration cockpit uses migration objects to transfer data to the target SAP S/4HANA system. On the [Migration Project](#) screen, the system displays the migration objects for your project. To get detailed information about a migration object, click a migration object name in the [Migration Object](#) column. The system displays the [Migration Object](#) screen, where you can view the following information:

- Documentation

You can view detailed information about the migration object.

- Table Structure

You can view the relevant source system tables for the migration object. The system displays the source system tables in a hierarchy.

- History

You can view a history of the events for the migration object. Examples of events include [Simulation Started](#) or [Simulation Completed](#). You can also view a log for the events. To do this, choose the [View Log](#) button. The system displays the [Event Log](#), where you can view messages for each event.

- Dependencies

You view whether the migration object has any dependent migration objects. A migration object can have predecessor objects (objects which must be processed before the migration object) and successor objects (objects which must be processed after the migration object).

- Configuration Options

You can view the active configuration options for the migration object. You can use configuration options for certain migration objects to ensure that relevant data will be selected from the source system and migrated to the target system. You can activate and deactivate configuration options for a migration object in the SAP S/4HANA migration object modeler.

- Technical Information

Under [Technical Information](#), you can view general technical information about the migration object such as the object ID. If you need to contact SAP for support, this information might be required.

## Migration Object Status

SAP can deliver updated versions of migration objects to your system. If an update is available for a migration object in your project, the system will update the status of the migration object to inform you that a new version is available. While new versions of migration objects will contain new features or bug fixes, migration objects can also be deprecated or retired. The system will update the status of such migration objects to inform you that they will be unavailable in future releases.

SAP can apply the following status values to migration objects in your project:

- New Version Available

A new version of the migration object is available. SAP always recommends using the new version of the migration object to migrate data, especially after upgrading to the latest release. Using the latest version of the migration object ensures that

you benefit from the latest enhancements and bug fixes. You can use the Migration Object Modeler to add the new version of the migration object to your project.

- New Mandatory Version Available

A new mandatory version of the migration object is available. It is no longer possible to use the current version of the migration object to migrate data. You can use the Migration Object Modeler to add the new version of the migration object to your project.

- Deprecated

The migration object is deprecated and will not be available in the near future. However, it is still possible to migrate data using this migration object. For information about when the migration object will be deleted, see the documentation for the migration object on the SAP Help Portal.

- Deprecated (New Version Available)

A new version of this migration object is available. Although it is still possible to migrate data using this migration object, deprecated objects will not be available in the near future. You can use the Migration Object Modeler to add the new version of the migration object to your project.

- Deprecated (New Mandatory Version Available)

A new mandatory version of this migration object is available. It is no longer possible to use this version of the migration object to migrate data. Deprecated objects will be deleted in the near future. You can use the Migration Object Modeler to add the new version of the migration object to your project.

- Retired

The migration object is retired and can no longer be used to migrate data. In some cases, a successor migration object will be available. For more information, see the documentation for the migration object on the SAP Help Portal.

- Ignore Updates

## Viewing Messages

You can view the messages for the migration objects in a project at any time. On the **Migration Project** screen, select the relevant migration objects and choose the **Messages** button. The system displays the **Migration Object, Messages** screen where you can view the messages for the selected migration objects. You can view the number of migration object instances that are relevant for each message and navigate directly to these migration object instances.

### **i Note**

The retention period for messages is 180 days. Messages will be permanently deleted after this time.

By default, the system displays all messages that exist for the selected migration objects. You can restrict the messages to specific migration objects if required.

You can use the following filter options to view the messages that you are interested in:

- Action

The relevant action, for example **Simulation** or **Migration**. You can select an action to view the messages for that action.

- Message Type

You can select a message type to view the messages of that message type. The following message types are possible:

- Error

Error messages need to be processed before you can continue with the simulation or migration.

- Warning

We recommend analyzing any warning messages to determine whether they are relevant for your migration project.

- Success

Messages that indicate that a certain step was completed successfully. No further action is required.

- Information

Messages that provide information about a certain step. No further action is required.

The system displays the following information for each message:

- Type
- Message
- Action

The relevant action, for example [Simulation](#) or [Migration](#).

- Instances

In this column, the system displays the number of migration object instances that are relevant for the message. To view the migration object instances, choose the number in this column.

## Viewing Messages for Specific Migration Object Instances

On the [Migration Project](#) screen, you can view the number of migration object instances that have been simulated and migrated successfully and the number of instances for which errors exist.

In the [Simulation](#) and [Migration](#) columns, the system displays the number of errors for a migration object. If you click this number, the system displays the migration object instances that contain errors. Select the migration object instance that you want to analyze, and choose the [Messages](#) button

You can view the following information for each message:

- Type

The message type, for example [Error](#) or [Warning](#).

- Message

The message short text

- Properties

The system displays the relevant migration object and also the event when the message occurred, for example during the selection process or during the migration.

- Date and Time

The date and time when the message occurred.

## Selecting Data from the Source System

The SAP S/4HANA migration cockpit uses migration objects to transfer data to the target SAP S/4HANA system. The data for the migration objects is selected from the source system based on specific criteria such as company codes. For example if you use company codes, only data that is relevant for the specified company codes will be selected from the source system. In this way, you restrict the data that is transferred to the target SAP S/4HANA system for the relevant migration objects.

### **i Note**

In the SAP S/4HANA migration cockpit you can only restrict the selection by using specific criteria such as company codes. In the SAP S/4HANA migration object modeler (transaction LTMOM), you further restrict the selection if required.

You need to start this process for each migration object in your project. You do this on the **Migration Project** screen by selecting the relevant migration object, and choosing the action **Select Data**. Note that you can start the selection for multiple migration objects if required. To do this, select the relevant migration objects and choose **Actions** and then **Select Data**.

### **i Note**

On the **Monitoring** screen, you can cancel the selection process. Under **Activities**, select the relevant activity, for example **Select Data**. In the **Options** field, you can then choose the option **Cancel**.

## Monitoring the Status of the Selection Process

You can monitor the status of the migration for a migration object. On the **Migration Project** screen, choose the button **Monitoring**. The system displays the **Monitoring** screen, where you can view the active and completed activities, for example **Selection Started** or **Selection Completed**.

You can also view the total number of selected migration object instances for a migration object. For more information, click the relevant number in the **Data** column.

## Viewing the Selected Data

### Context

On the **Migration Project Screen**, in the **Data** column, you can view the number of selected instances for a migration object.

A migration object represents a business object. For example, the migration object **Bank** represents the business object **Bank**. A migration object instance is a set of one or more fields that have a defined relationship and that represent a business object instance. For example, a migration object instance for the migration object **Bank** comprises several fields such as:

- Bank Country Key
- Bank Key
- Bank Branch
- Bank Group
- Name of Bank \*

### Procedure

To view the data that has been selected by the system, click an entry in the **Data** column. The system displays the **Migration Object Instance** screen, where you can view the records selected from the source system for each instance.

## Example

You want to select data from the source system for the **FI-GL Bank Key** migration object. On the **Migration Project** screen, you choose **Actions** and then **Select**. The system updates the **Data** column to indicate that four instances have been successfully selected. You click the number in the **Data** column, and the system displays the **Migration Object Instances** screen where you can view the following data:

Bank Country Key	Bank Keys	Bank Branch	Bank Group	Name of Bank
IN	BANK_1	A1	YB	Bank International
IN	BANK_2	A2	YB	Bank International
IN	BANK_3	A1	YB	Bank International
IN	BANK_4	A1	YB	Bank International

Each row represents one migration object instance, that is, the set of records that represent the **FI-GL Bank Key** business object type. You can view the source system tables for the records by clicking a row. The system displays the source system tables in a hierarchy.

## The Migration Object Instances Screen

On the **Migration Object Instances** screen, you can view the records for each migration object instance. Each row represents one migration object instance and contains the fields for the instance.

In addition, you can view the following columns:

- Additional Fields

Each row can display up to five fields for a migration object instance. If a migration object instance contains more than five fields, you can view the additional fields by choosing the **Display All** link in this column.

- Current Step

If a migration object uses more than one transfer step to migrate migration object instances to SAP S/4HANA, the system displays the current step in the **Current Step** column. For information about the transfer options and transfer steps for a specific migration object, see the documentation for the migration object on the SAP Help Portal.

- Action

The current action for the migration object instance. The following actions are possible:

- Select Data
- Mapping Tasks
- Simulate
- Migrate

- Status

The status of the current action. An action can have one of the following status values:

- Success

The records of the migration object instance have been successfully selected from the source system.

- o Information

An information message exists for the migration object instance. To view the message, select the migration object instance and choose the **Messages** button.

- o Warning

A warning message exists for the migration object instance. To view the message, select the migration object instance and choose the **Messages** button.

- o Error

An error exists for this migration object instance. To view more information about the error, choose the **Messages** button.

- o Excluded

The migration object instance has been excluded from the migration.

The following options are also available:

- View Messages for Migration Object Instances

You can view messages for a migration object instance. To do this, select the relevant instances and choose the **Messages** button.

- Simulate the Migration for Specific Migration Object Instances

You can simulate the migration for specific migration object instances. To do this, select the relevant instances and choose the **Simulate** button.

- Migrate Specific Migration Object Instances

You can migrate specific migration object instances. To do this, select the relevant instances and choose the **Migrate** button.

- Exclude Migration Object Instances

You can exclude a migration object instance. This means that the migration object instance will not be simulated or migrated. To do this, select the relevant instances and choose the **Exclude** button. You can undo this action for an instance by choosing **Exclude** and then **Undo Exclude**.

- Mass Processing of Migration Object Instances

If you want to perform an action for a very large number of migration object instances, you can use the mass processing function. To do this, choose the **Mass Processing** button.

## Using Staging Tables as Intermediate Storage

### Prerequisites

To use this feature, you need to activate staging tables for the relevant migration objects when creating your migration project. For more information, see [Creating Migration Projects](#).

### Context

The **Migrate Your Data** app can select data from the source system, and extract the data to staging tables.

The data is selected exactly as described in section [Selecting Data from the Source System](#). However, the **Migrate Your Data** app creates staging tables for the selected data in the remote SAP HANA schema, and stores the selected data there. You can then adjust the values directly in the relevant database tables if required.

## Procedure

1. Extract the data from the source system to the staging tables in the remote SAP HANA schema. For more information, see [Extracting Data to Staging Tables](#).
2. Adjust the values directly in the relevant database tables if required.
3. Transfer the data from the staging tables to the **Migrate Your Data** app. For more information, see [Transferring Data from Staging Tables to the Migrate Your Data App](#).
4. Continue with the migration process in the **Migrate Your Data** app.

## Extracting Data to Staging Tables

The data is selected exactly as described in section [Selecting Data from the Source System](#). However, the **Migrate Your Data** app creates staging tables for the selected data in the remote SAP HANA schema, and stores the selected data there. You can then adjust the values directly in the relevant database tables if required.

### i Note

For each migration object, the system creates one or more staging tables. The staging tables have the naming convention `/1LT/S<system ID><client><alphanumeric identifier>`, for example `/1LT/SQKX0010A01`.

If you want to extract data to staging tables, you need to start this process for each migration object in your project. You do this on the **Migration Project** screen by selecting the relevant migration object and choosing the action **Extract to Staging Tables**. Note that you can start this process for multiple migration objects if required. To do this, select the relevant migration objects and choose **Actions** and then **Extract to Staging Tables**.

### i Note

On the **Monitoring** screen, you can cancel the extraction process. Under **Activities**, select the relevant activity, for example **Extract to Staging Tables**. In the **Options** field, you can then choose the option **Cancel**.

## Viewing the Staging Tables

On the **Migration Object Tables** screen, you can view the staging tables for a migration object.

You can view information about the staging tables such as the technical name of the staging tables and the current status. If you click a staging table, the system displays the **Migration Object Tables, Structure** screen where you can find detailed information about the fields in the staging table. To view the content of a table, click an entry in the **Rows in Staging Table** column.

The following options are possible:

- Delete All Records

You can use the button **Delete All Records** to delete all records from selected staging tables, regardless of the status. Note that deleting records from the staging tables may result in errors or inconsistencies.

- Adjust Structures

If the table has the status **Adjustment Required**, the system can change the structures of the staging tables so that they reflect the latest version of the migration object provided by SAP. To do this, choose the button **Adjust Structures**. Note that no data will be lost during this process.

For example, in the remote SAP HANA database schema, it is possible to adjust or even drop staging tables. If such an action was done in error, you can use this option to adjust the staging tables so that they reflect the latest version of the migration object provided by SAP.

## Transferring Data from Staging Tables to the Migrate Your Data App

You need to transfer the data from the staging tables to the **Migrate Your Data** app before you can proceed with the migration. You do this on the **Migration Project** screen by selecting the relevant migration object and choosing the action **Transfer from Staging Tables**. Note that you can start this process for multiple migration objects if required. To do this, select the relevant migration objects and choose **Actions** and then **Transfer from Staging Tables**.

You can then view the selected data as described in section [Viewing the Selected Data](#).

### **i Note**

On the **Monitoring** screen, you can cancel the transfer process. Under **Activities**, select the relevant activity, for example **Transfer from Staging Tables**. In the **Options** field, you can then choose the option **Cancel**.

## Preparing the Mapping Tasks

### Prerequisites

For a migration object, you have selected data from the source system.

### Context

The mapping tasks for each migration object need to be prepared before they can be processed.

### **i Note**

If you want to upload mapping values using Microsoft Excel, you do not need to prepare the mapping tasks.

### Procedure

1. On the **Migration Project** screen, select the relevant migration object.
2. In the **Action** column, choose the option **Prepare**.
3. The system will prepare the mapping tasks so that they can be processed.
4. You can monitor the status of the preparation step in the **Monitoring** screen.

## Mapping Tasks

After the system has selected the data for a migration object from the source system, you need to process any open mapping tasks for the migration object before you can proceed with the simulation or the migration. Examples of mapping tasks include

**Value Mapping** tasks (where you specify target values for corresponding source values) and **Fixed Value** tasks (where you set default values for target fields).

On the **Migration Project** screen, in the **Mapping Tasks** column, you can view the number of open and completed tasks for each migration object.

If a migration object has open tasks, click the relevant entry in the **Mapping Tasks** column. The system displays the **Mapping Tasks** screen. Alternatively, you can select the relevant migration object and choose the **Mapping Tasks** button.

## i Note

You can also display all mapping tasks for a project by choosing the **Mapping Tasks** button located in the top right screen area.

## Mapping Tasks Screen

On the **Mapping Tasks** screen, you can view the open mapping tasks (open mapping tasks have the status **To be Confirmed**) as well as any confirmed mapping tasks. The system displays the mapping tasks in a list. You can view the following information for each mapping task:

- Mapping Tasks

The name of the task.

- Status

The status of the mapping task. Mapping tasks can have the status **Confirmed** or **To be Confirmed**.

- Type

The type of mapping task. There are **Value Mapping** tasks (where you specify target values for corresponding source values) and **Fixed Value** tasks (where you set default values for target fields).

- Values

The number of values for the task, for example a **Value Mapping** task could involve specifying 10 target values.

You need to process the task by entering the relevant target values, and confirming these target values. You can then set the status of the task to **Confirmed**. Once all mapping tasks for a migration object have the status **Confirmed**, you can proceed with the simulation or migration process for the migration object.

## Value Mapping Tasks

For **Value Mapping** tasks, you specify target values for corresponding source values. On the **Mapping Tasks** screen, select the relevant value mapping task that has the status **To be Confirmed**. The system displays the task in a new screen. On the left-hand side, the system displays the task and the current status.

On the right-hand side of the screen the system displays the name of the task, and the following information:

- Status

The status of the task. Mapping tasks can have the status **Confirmed** or **To be Confirmed**.

- Type

The type of task. There are **Value Mapping** tasks (where you specify target values for corresponding source values) and **Fixed Value** tasks (where you set default values for target fields).

- Used In

The migration object that uses the task. If the task is used by more than one migration object, the system displays a link with the text **Migration Objects**. You can click this link to view the migration objects that use the task.

- Documentation

To view the documentation for the mapping task, click the **Show** link.

On the right-hand side, under **Values**, the system displays the values that need to be confirmed for the task. You can view the following information:

- Source Value

The value of the relevant field in the source system.

- Target Value

The value of the corresponding field in the target system. By default, the system proposes the source value as the target value.

- Status

The status of the specific values (either **Confirmed** or **To be Confirmed**).

- Action

Once you have entered a target value (or accepted the proposal provided by the system) you confirm the value for the task. To do this, you can choose the **Confirm** button.

For each value that has the status **To be Confirmed**, you need to either enter a value in the **Target Value** field or accept the proposal provided by the system (if provided). Note that a space is also considered a valid value. You then select the checkbox for the relevant row and choose the **Confirm** button. Once all the values have the status **Confirmed**, the system changes the status of the task to **Confirmed** on the **Mapping Tasks** screen.

## Example

There are open value mapping tasks for the migration object **FI-GL General Ledger Account**. One of these open value mapping tasks is the **Company Code** value mapping task. You use this task to check whether the target company codes need to be changed, or if they should remain the same as the source system.

In this example, the company code 0001 remains the same as in the source system, but the data associated with company code Z001 will now be assigned to company code ZZ99.

Source Company Code	Target Company Code
0001	0001
Z001	ZZ99

## Deleting Mapping Values

### Context

You can delete the mapping values for value mapping tasks. You can delete specific mapping values for a mapping task, or you can delete all mapping values for a mapping task. If you delete all mapping values for a mapping task, the relevant mapping task will no

longer be displayed on the **Mapping Tasks** screen. If you upload mapping values for the mapping task again, the mapping task will be displayed on the **Mapping Tasks** screen once more.

### i Note

Mapping values are required for simulating the migration and for migrating data. Deleting mapping values may cause errors or may result in inconsistent data, especially if mapping values are used by multiple migration objects, or if mapping values were created by the system (for example for internal numbering).

## Procedure

1. On the **Mapping Tasks** screen, select the relevant mapping task. The system displays the mapping task in a new screen.
2. Under **Values**, select the relevant mapping values.
3. Choose the **Delete Values** button. The system will delete all the selected mapping values.

On the **Mapping Tasks** screen, you can delete all the mapping values for a mapping task. To do this, select the relevant mapping task and choose the **Delete Values** button.

On the **Monitoring** screen, you can view the deleted mapping values. You can view information such as the user that deleted the mapping values as well as the total number of mapping values that were deleted.

## Fixed Value Tasks

For **Fixed Value** tasks, you specify default values for target fields. On the **Mapping Tasks** screen, select the relevant fixed value task that has the status **To be Confirmed**. The system displays the task in a new screen.

On the left-hand side, the system display the task and the current status. On the right-hand side, under **Values**, the system displays the value that needs to be confirmed for the task. You can view the following information:

- Customizing

The value of the field in the target system. In some cases, the system will propose a suitable value for the target field.

- Status

The status of the specific values (either **Confirmed** or **To be Confirmed**).

- Action

Once you have entered a target value (or accepted the proposal provided by the system) you confirm the value for the task. To do this, choose the **Confirm** button.

For each fixed value that has the status **To be Confirmed**, you need to either enter a value in the **Customizing** field or accept the proposal provided by the system (if provided). You then select the checkbox for the fixed value and choose the **Confirm** button.

## Example

There are open fixed value tasks for the migration object **FI-GL Account Balance**. One of these open fixed value tasks is the **Document Type** fixed value task.

You need to define a document type that is used when the balances are created in the target SAP S/4HANA system. To do this, you enter the value SA in the **Customizing** field of the **Document Type** fixed value task.

# Downloading Template Files for Mapping Tasks

## Context

Microsoft Excel template files are available for each mapping task. If you need to specify a large number of values for a mapping task, you can use these template files instead of specifying the values manually in the SAP S/4HANA migration cockpit.

## Procedure

1. On the **Mapping Tasks** screen, choose **Download Mapping Templates**.
2. Select the relevant mapping tasks and choose the **Download** button.
3. The system creates a zip file that contains the template files.
4. Populate the template files with data and save them locally.

A template file for a mapping task contains the following sheets:

- o Signature

On the **Signature** sheet, you can view the data type and length for the source and target fields.

- o Data

On the **Data** sheet, you specify values for the target SAP S/4HANA fields.

# Uploading Mapping Values

## Prerequisites

You have downloaded a template file for a mapping task and filled the file with data.

## Context

You can upload mapping values for a mapping task.

## Procedure

1. On the **Mapping Tasks** screen, choose **Upload Values**. The system displays the **Upload Mapping Values** screen.
2. On the **Files** tab, upload the file by using the **Upload** button or the drag and drop function. You can upload single files as well as zip files.

Under **Additional Settings**, you can specify additional options for transferring the mapping values to the SAP S/4HANA Migration Cockpit. These options include:

- o Options for Confirming Values

To set the status of the mapping values to **Confirmed**, choose the option **Confirm Values Automatically**. Otherwise, choose **Do Not Confirm Values Automatically**.

- o Options for Loading Values

To delete any existing values for the task and replace them with the values from the file, choose the option **Replace Existing Values**. If you choose the option **Modify Values / Add Values**, any duplicate values will be replaced with the values from the file.

3. To upload the mapping values, choose [Upload Values](#).

## Simulating the Migration

Once you have processed all open tasks for a migration object, you can simulate the transfer of data to the target SAP S/4HANA system. Note that no data is written to the target SAP S/4HANA system during the simulation process, but you can view all the messages that would occur during an actual data transfer (for example information about a cost center that does not exist).

On the [Migration Project](#) screen, select the relevant migration object and choose [Actions](#) and then [Simulate](#). The following options are possible:

- All Instances

The system can simulate the transfer for all migration object instances.

- All Instances with Errors

The system can simulate the transfer for all migration object instances that have errors.

- Random 10%

The system can simulate the transfer for a random 10% of the migration object instances.

- Random 500

The system can simulate the transfer for a random 500 migration object instances.

### **i** Note

You can also simulate the migration for specific migration object instances. You can do this on the [Migration Object Instances](#) screen by selecting the relevant migration object instances and choosing the [Simulate](#) button. On the [Migration Object Instances](#) screen, you can also exclude specific migration object instances. To do this, select the relevant migration object instances and choose the [Exclude](#) button.

### **i** Note

On the [Monitoring](#) screen, you can cancel the simulation process. Under [Activities](#), select the relevant activity, for example [Simulate Data](#). In the [Options](#) field, you can then choose the option [Cancel](#).

## Monitoring the Status of the Simulation Process

You can monitor the status of the simulation for a migration object. On the [Migration Project](#) screen, choose the button [Monitoring](#). The system displays the [Monitoring](#) screen, where you can view the active and completed activities, for example [Simulation Started](#) or [Simulation Completed](#).

In addition, for a migration object, you can view the number of migration object instances that have been simulated successfully, and the number of migration object instances that have errors. For more information, click the relevant number in the [Simulation](#) column.

## Migrating Data to the SAP S/4HANA System

Once you have processed all open tasks for a migration object, you can transfer data to the target SAP S/4HANA system. Note that we recommend that you first simulate the migration.

On the **Migration Project** screen, select the relevant migration object and choose the action **Migrate**.

The system displays the **New Migration** dialog box, where you can choose one of the following options:

- All Instances

The system can migrate all migration object instances.

- All Instances with Errors

The system can migrate all migration object instances that have errors.

- Random 10%

The system can migrate a random 10% of the migration object instances.

- Random 500

The system can migrate a random 500 migration object instances.

- All Successfully Simulated Instances

The system can migrate all simulated successfully instances.

### **i Note**

You can also migrate specific migration object instances. You can do this on the **Migration Object Instances** screen by selecting the relevant migration object instances and choosing the button **Migrate**. On the **Migration Object Instances** screen, you can also exclude specific migration object instances. To do this, select the relevant migration object instances and choose the **Exclude** button.

### **i Note**


On the **Monitoring** screen, you can cancel the migration process. Under **Activities**, select the relevant activity, for example **Migrate Data**. In the **Options** field, you can then choose the option **Cancel**.

## **Finishing a Project**

When you have finished your migration project, you can set the status of the project to **Finished**. When you set the status of a project to **Finished**, no further changes are possible. However, you can still view the project. To set the status of the project to **Finished**, choose the **Finish** button.

When you set the status of a project to **Finished**, you can specify a data retention period. The retention period is the length of time (in days) that the project and all associated data is kept in both the SAP S/4HANA system and source system after you have set the status of the project to **Finished**. Note that the data in the source system includes programs used to extract the data, as well as information about the data that was transferred. To specify a retention period, set the option **Data Retention Period** to **On**. The data will be deleted from both the SAP S/4HANA system and the source system when the retention period expires. If you set the option **Data Retention Period** to **Off**, then the project and all associated data will be kept in the system indefinitely. If required, you can change the retention time for finished projects. To do this, open the relevant project and choose the **Settings** button. You can find the settings for retention time on the **Technical Information** tab.

### **i Note**

If the project has not been deleted after the retention period, contact your system administrator to check that the retention job (job /LTB/RETENTION) is running. For more information, see SAP Note [2997667](#) .

# Monitoring the Status of the Migration Process

On the [Migration Project](#) screen, you can monitor the status of the migration for a migration object. If the migration has started for a migration object, you can view the following percentage values in the [Migration Progress](#) column:

- Percentage of instances migrated successfully
- Percentage of instances with errors
- Percentage of instance not yet started

You can also view the number of migration object instances that have been migrated successfully, and the number of migration object instances that have errors. For more information, click the relevant number in the [Migration](#) column.

You can also view more detailed information about the status of the migration. On the [Migration Project](#) screen, choose the button [Monitoring](#). The system displays the [Monitoring](#) screen, where you can view the active and completed activities, for example [Migration Started](#) or [Migration Completed](#).

## Viewing the Transfer List

### Prerequisites

The simulation process or migration process is complete for the relevant migration object instance.

### Context

For each migration object, a target API creates the required data in SAP S/4HANA. You can use the transfer list to view the data that the target API uses to create data in the target.

This can be beneficial if you want to troubleshoot the simulation or migration process. For example, you can analyze the transfer list to determine whether an issue is with the target API or if it is a structure or field mapping issue.

### Procedure

1. On the [Migration Project](#) screen, select the [Instances](#) link in the [Data](#) column.

The [Migration Object Instances](#) screen opens.

2. Select the relevant migration object instance.
3. Choose the [Transfer List](#) button.

On the [Transfer List](#) screen you can view the relevant target parameters for the migration object instance, as well as the number of values for each target parameter. You can also navigate to a target parameter, and view the relevant fields and values.

## Viewing the Migration Results

On the [Migration Object Instances](#) screen, you can view the migration results for migration object instances by switching to the [Migration Results](#) view. When you choose this view, the system displays one or more fields that contain the migration results. In these migration result fields, you can view the data that has been created in the SAP S/4HANA system for a migration object instance.

Migration objects can use different transfer options to migrate different types of migration object instances to SAP S/4HANA. Most migration objects have just one transfer option, but some have more than one. A transfer option uses different transfer steps to migrate a migration object instance to SAP S/4HANA. The number of migration result fields depends on the number of transfer options and transfer steps that are used by the migration object.

**i Note**

For more information about transfer options and transfer steps, see [Transfer Options and Transfer Steps](#). For information about the transfer options and transfer steps for a specific migration object, see the documentation for the migration object on the SAP Help Portal.

If a migration object uses a transfer option that has one transfer step, the system displays one additional field, for example **Result of Step "Create Bank"**.

If a migration object uses one transfer option that has more than one migration step, the system displays an additional field for each step. For example, **Result of Step 1 "Create Asset with Balances"** and **Result of Step 2 "Post to Asset"**.

If a migration object uses more than one transfer option, the system displays an additional field for each option and step combination.

You can also navigate directly to the relevant SAP Fiori app for the migration object to view the newly created data. To do this, click an entry in the **Result** column. Note that there are prerequisites for accessing apps, such as required business roles. For more information, see the documentation for the relevant migration object on the SAP Help Portal.

## Transfer Options and Transfer Steps

Migration objects can use different transfer options to migrate different types of migration object instances to SAP S/4HANA. Most migration objects have just one transfer option, but some migration objects have more than one, for example **MM - Purchase Scheduling Agreement**.

When the SAP S/4HANA migration cockpit selects a migration object instance from the source system for a migration object, it determines the type, and assigns it to the relevant transfer option. The transfer option then uses one or more transfer steps to migrate a migration object instance to SAP S/4HANA.

**i Note**

For information about the transfer options and steps for a specific migration object, see the documentation for the migration object on the SAP Help Portal.

### Example

When migrating migration object instances for the migration object **Fixed Asset (Including Balances)**, the SAP S/4HANA migration cockpit needs to first create the asset in the SAP S/4HANA system and then post the value of the asset to this newly created asset. Each step uses a function module to create the migration object instance in SAP S/4HANA.

In the following table, you can view the transfer options and transfer steps for the migration object **Fixed Asset (Including Balances)**.

Transfer Option	Condition	Step 1	Step 2	Step 3
Migrate Asset	The migration object instance is classified as	Create Asset with Balances	Post to Asset	N/A

Transfer Option	Condition	Step 1	Step 2	Step 3
	an asset.			

## A Detailed View of the Migration Process

You use the **Detailed View** to get a more comprehensive overview of the migration process. You can control the migration process in a more detailed way, for example you can start the simulation for the migration object instances that belong to a specific transfer step.

You can access the **Detailed View** screen from the **Migration Project** screen. In the **Migration Progress** column, there is a **Detailed View** link for each migration object.

### i Note

The **Detailed View** screen provides an overview of the transfer options and transfer steps for a migration object. We recommend only using this view if you are familiar with the transfer options and transfer steps for your migration object. For more information, see [Transfer Options and Transfer Steps](#).

The **Detailed View** screen is divided into the following sections:

#### Select Data

Under **Select Data**, the system displays the node **Selected Instances**. Here, you can view the following information:

- Instances

The total number of migration object instances selected from the source system.

- Not Processed

The number of migration object instances for which the action **Prepare Mapping Tasks** has not been started. These are the migration object instances that will be considered if you start the **Prepare Mapping Tasks** action using the **Detailed View**.

- Excluded

The number of excluded migration object instances.

Note that you start the **Select Data** action on the **Migration Project** screen.

#### Prepare Mapping Tasks

Under **Prepare Mapping Tasks**, the system displays the node **Mapping Tasks Prepared for Instances**.

Here, you can view the migration object instances that have successfully prepared mapping tasks, as well as any instances for which the action **Prepare Mapping Tasks** ended with errors.

To prepare the mapping tasks for specific instances, choose the **Process** button. The system displays the **Instances for Prepare Mapping Tasks** popover. Select the relevant instances and choose the **Prepare Mapping Tasks** button.

### i Note

If the migration object has more than one transfer option, then the system displays an additional path for each transfer option. For more information, see [Transfer Options and Transfer Steps](#).

### **i Note**

Before you can proceed with the simulation and migration, you need to process any open mapping tasks. You can navigate to the open mapping tasks by choosing the button [Open Mapping Tasks](#).

### **Simulate Step 1**

Under [Simulate Step 1](#), the system displays a node for transfer step 1. Here, you can view the migration object instances that belong to transfer step 1. You can view the migration object instances that have been simulated successfully and any instances that have errors.

To simulate the migration for specific instances that belong to transfer step 1, choose the [Process](#) button. The system displays the [Instances for Simulation](#) popover. Select the relevant instances and choose the [Simulate](#) button.

### **i Note**

If the migration object has more than one transfer option, then the system displays an additional path for each transfer option. For more information, see [Transfer Options and Transfer Steps](#).

### **i Note**

For certain migration objects, it is not possible to simulate the migration of data to SAP S/4HANA. For these migration objects, the relevant simulation step is not displayed on the [Detailed View](#) screen.

### **Migrate Step 1**

Under [Migrate Step 1](#), the system displays a node for transfer step 1. Here, you can view the migration object instances that belong to transfer step 1. You can view the migration object instances that have been migrated successfully and any instances that have errors.

To migrate specific instances, choose the [Process](#) button. The system displays the [Instances for Migration](#) popover. Select the relevant instances and choose the [Migrate](#) button.

### **i Note**

If the migration object has more than one transfer option, then the system displays an additional path for each transfer option. For more information, see [Transfer Options and Transfer Steps](#).

### **Simulate Step 2**

If the transfer option has more than one transfer step, the system displays the section [Simulate Step 2](#).

Under [Simulate Step 2](#), the system displays a node for transfer step 2. Here, you can view the migration object instances that belong to transfer step 2. You can view the migration object instances that have been simulated successfully and any instances that have errors.

To simulate the migration for specific instances that belong to transfer step 1, choose the [Process](#) button. The system displays the [Instances for Simulation](#) popover. Select the relevant instances and choose the [Simulate](#) button.

### **i Note**

If the migration object has more than one transfer option, then the system displays an additional path for each transfer option. For more information, see [Transfer Options and Transfer Steps](#).

### **i Note**

The simulation may result in new mapping tasks. You need to process these mapping tasks. We recommend that you then repeat the simulation before proceeding with the migration. You can navigate to the open mapping tasks by choosing the button [Open Mapping Tasks](#).

### **Migrate Step 2**

If the transfer option has more than one transfer step, the system displays the section **Migrate Step 2**.

Under **Migrate Step 2**, the system displays a node for transfer step 2. Here, you can view the migration object instances that belong to transfer step 2. You can view the migration object instances that have been migrated successfully and any instances that have errors.

To migrate specific instances, choose the **Process** button. The system displays the **Instances for Migration** popover. Select the relevant instances and choose the **Migrate** button.

### **i Note**

If the migration object has more than one transfer option, then the system displays an additional path for each transfer option. For more information, see [Transfer Options and Transfer Steps](#).

### **Simulate Step 3 / Migrate Step 3**

If the transfer option has a third transfer step, the system displays the sections **Simulate Step 3** and **Migrate Step 3**.

### **Migration Summary**

Under **Migration Summary**, you can view the number of migration object instances that have been successfully migrated to SAP S/4HANA.

## Transfer Options and Transfer Steps

Migration objects can use different transfer options to migrate different types of migration object instances to SAP S/4HANA. Most migration objects have just one transfer option, but some migration objects have more than one, for example **MM - Purchase Scheduling Agreement**.

When the SAP S/4HANA migration cockpit selects a migration object instance from the source system for a migration object, it determines the type, and assigns it to the relevant transfer option. The transfer option then uses one or more transfer steps to migrate a migration object instance to SAP S/4HANA.

### **i Note**

For information about the transfer options and steps for a specific migration object, see the documentation for the migration object on the SAP Help Portal.

## Example

When migrating migration object instances for the migration object **Fixed Asset (Including Balances)**, the SAP S/4HANA migration cockpit needs to first create the asset in the SAP S/4HANA system and then post the value of the asset to this newly created asset. Each step uses a function module to create the migration object instance in SAP S/4HANA.

In the following table, you can view the transfer options and transfer steps for the migration object **Fixed Asset (Including Balances)**.

Transfer Option	Condition	Step 1	Step 2	Step 3
Migrate Asset	The migration object instance is classified as an asset.	Create Asset with Balances	Post to Asset	N/A

## SAP S/4HANA Migration Object Modeler

The SAP S/4HANA migration object modeler is an application that can be used to enhance the migration objects that are used in the SAP S/4HANA migration cockpit. You can access the SAP S/4HANA migration object modeler by using transaction LTMOM.

### i Note

The functions and features offered by the SAP S/4HANA migration object modeler depend on the migration approach of your SAP S/4HANA Migration Cockpit project. Detailed documentation for the SAP S/4HANA migration object modeler can be accessed directly from transaction LTMOM.

## Read Access Logging Configurations in Migration Cockpit

You can use the **Read Access Logging** (RAL) report to configure which read-access information to log in the system and under which conditions.

For more information, see the Security Guide for SAP S/4HANA and SAP S/4HANA Cloud Private Edition at <https://help.sap.com/s4hana>.

## Available Migration Objects

You can use the following table to gain an overview of all migration objects available for SAP S/4HANA. It's sorted in alphabetical order by **Migration Object Name**. Choose a migration object name to navigate to the documentation for the migration object.

### i Note

The migration objects in your system might differ from those listed here. The migration objects shown in the system depend on the scope you've activated and the migration approach you've chosen.

### → Tip

Filter the **Migration Approach** column to only see migration objects relevant for you. Therefore, choose **Filter** in the respective column, and select the required approach, **Direct Transfer** or **Staging Table**.

You can adjust the amount of information displayed. Use the **Columns** selector to hide or show columns, such as the **Predecessor Object** column.

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">Real estate - Usable object</a>	Master data	Staging Table	Not applicable	Not applicable	RE - FX - BD	<a href="#">CO - Internal order (restricted)</a> <a href="#">CO - Cost center</a> <a href="#">PS - WBS element</a>
<a href="#">PSM - Fund</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	PSM - FM - MD	<a href="#">PSM - Budget period</a>
<a href="#">EHS - Sampling definition</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - EM	<a href="#">EHS - Compliance scenario</a> , mandatory <a href="#">EHS - Data classifier</a> <a href="#">EHS - Chemical/Physical property</a> <a href="#">EHS - Compliance requirement</a> <a href="#">PC - Substance</a>
<a href="#">EHS - Emitted substance</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - EM	<a href="#">EHS - Compliance scenario</a> , mandatory <a href="#">PC - Substance</a> , mandatory <a href="#">EHS - Data classifier</a> <a href="#">EHS - Compliance requirement</a>
<a href="#">Service Contract</a>	Transactional data	Staging Table	Not applicable	Not applicable	CRM - S4 - SRV - CTR	<a href="#">Customer</a> , mandatory <a href="#">HCM - Employee</a> , mandatory <a href="#">Product</a> , mandatory <a href="#">PM - Equipment</a> <a href="#">PM - Functional location</a> <a href="#">CO - Profit center</a> <a href="#">Condition record for pricing in sales (restricted)</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">FI - SEPA mandate</a> <a href="#">PS - WBS element</a>
<a href="#">PSM - Budget period</a>	Master data	Staging Table	Not applicable	Not applicable	PSM - FM - MD	Not applicable
<a href="#">Material BOM (new)</a>	Master data	Staging Table	Not applicable	Not applicable	PP - BD	<a href="#">Product</a> , mandatory <a href="#">ECM - Change master</a> <a href="#">Document info record</a> <a href="#">PP-KAB - Production supply area</a> <a href="#">Supplier</a>
<a href="#">PC - Use</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - FND	<a href="#">PC - Product compliance info</a> , mandatory
<a href="#">Warehouse stock</a>	Transactional data	Staging Table	Not applicable	Not applicable	SCM - EWM	<a href="#">Warehouse storage bin</a> , mandatory <a href="#">Batch unique at material and client level</a> <a href="#">Product</a> <a href="#">MM - Purchasing info record with conditions</a> <a href="#">Supplier</a>
<a href="#">PC - Ecological information</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - FND - PC	<a href="#">PC - Raw material compliance info</a> <a href="#">PC - Product compliance info</a> <a href="#">PC - Substance</a>
<a href="#">Asset to control tax credits (Brazil)</a>	Transactional data	Staging Table	Not applicable	Not applicable	FI - LOC - FI - BR	<a href="#">Fixed asset (incl. balances and transactions)</a> , mandatory <a href="#">Fixed asset - Master data</a> , mandatory

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">CO - Cost rate</a>	Master data	Staging Table	Not applicable	Not applicable	CO	<a href="#">CO - Cost center</a> , mandatory <a href="#">CO - Activity type</a> , mandatory
<a href="#">Bank</a>	Master data	Staging Table	Not applicable	Not applicable	FI	Not applicable
<a href="#">Condition record for batch determination (for all areas)</a>	Master data	Staging Table	Not applicable	Not applicable	LO - BM	<a href="#">Characteristic</a> <a href="#">Class</a> <a href="#">Customer</a> <a href="#">Product</a>
<a href="#">Batch unique at material and client level</a>	Master data	Staging Table	Not applicable	Not applicable	LO - BM	<a href="#">Product</a> , mandatory <a href="#">Characteristic</a> <a href="#">Class</a> <a href="#">Object classification - General template</a> <a href="#">Supplier</a>
<a href="#">Batch unique at plant level</a>	Master data	Staging Table	Not applicable	Not applicable	LO - BM	<a href="#">Product</a> , mandatory <a href="#">Characteristic</a> <a href="#">Class</a> <a href="#">Object classification - General template</a> <a href="#">Supplier</a>
<a href="#">Material BOM</a>	Master data	Staging Table	Not applicable	Not applicable	PP - BD	<a href="#">Product</a> , mandatory
<a href="#">ECM - Change master</a>	Master data	Staging Table	Not applicable	Not applicable	PLM - WUI - OBJ - ECN	<a href="#">Material BOM</a> <a href="#">Material BOM (new)</a> <a href="#">Document info record</a> <a href="#">Product</a>
<a href="#">Characteristic</a>	Master data	Staging Table	Not applicable	Not applicable	CA - CL	<a href="#">ECM - Change master</a> <a href="#">Document info record</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">RFM - Merchandise category</a> <a href="#">QM - Selected set</a>
<a href="#">AVC - Characteristics group</a>	Master data	Staging Table	Not applicable	Not applicable	LO - VCH	<a href="#">Characteristic Class</a> <a href="#">Object classification - General template</a> <a href="#">AVC - Configuration profile (restricted)</a> <a href="#">Product</a>
<a href="#">Class</a>	Master data	Staging Table	Not applicable	Not applicable	CA - CL	<a href="#">ECM - Change master</a> <a href="#">Characteristic</a> <a href="#">Document info record</a>
<a href="#">Class hierarchy</a>	Master data	Staging Table	Not applicable	Not applicable	CA - CL	<a href="#">Class, mandatory</a> <a href="#">ECM - Change master</a>
<a href="#">Object classification - Document (DRAW)</a>	Master data	Staging Table	Not applicable	Not applicable	CA - CL	<a href="#">Class, mandatory</a> <a href="#">Document info record, mandatory</a> <a href="#">ECM - Change master</a> <a href="#">Characteristic</a>
<a href="#">Object classification - Purchasing info record (EINA)</a>	Master data	Staging Table	Not applicable	Not applicable	CA - CL	<a href="#">Class, mandatory</a> <a href="#">MM - Purchasing info record with conditions, mandatory</a> <a href="#">ECM - Change master</a> <a href="#">Characteristic</a>
<a href="#">Object classification - Material (MARA)</a>	Master data	Staging Table	Not applicable	Not applicable	CA - CL	<a href="#">Class, mandatory</a> <a href="#">Product, mandatory</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">ECM - Change master</a> <a href="#">Characteristic</a>
<a href="#">Object classification - General template</a>	Master data	Staging Table	Not applicable	Not applicable	CA - CL	<a href="#">Class, mandatory</a> <a href="#">ECM - Change master</a> <a href="#">Characteristic</a> <a href="#">Customer</a> <a href="#">Document info record</a> <a href="#">PM - Equipment</a> <a href="#">PM - Functional location</a> <a href="#">QM - Inspection method</a> <a href="#">PM - Maintenance item</a> <a href="#">PM - Maintenance plan</a> <a href="#">QM - Master inspection characteristic</a> <a href="#">Product</a> <a href="#">MM - Purchasing info record with conditions</a> <a href="#">QM/PM - Catalog code group/code</a> <a href="#">QM - Selected set</a> <a href="#">Supplier</a> <a href="#">Work center/Resource</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">Object classification - Inspection method (QMTB)</a>	Master data	Staging Table	Not applicable	Not applicable	CA - CL	<a href="#">Class</a> , mandatory <a href="#">QM - Inspection method</a> , mandatory <a href="#">ECM - Change master</a> <a href="#">Characteristic</a>
<a href="#">Object classification - Selected set (QPAM)</a>	Master data	Staging Table	Not applicable	Not applicable	CA - CL	<a href="#">Class</a> , mandatory <a href="#">QM - Selected set</a> , mandatory <a href="#">ECM - Change master</a> <a href="#">Characteristic</a>
<a href="#">Object classification - Code group (QPGR)</a>	Master data	Staging Table	Not applicable	Not applicable	CA - CL	<a href="#">Class</a> , mandatory <a href="#">QM/PM - Catalog code group/code</a> , mandatory <a href="#">ECM - Change master</a> <a href="#">Characteristic</a>
<a href="#">Object classification - Inspection characteristic (QPMK)</a>	Master data	Staging Table	Not applicable	Not applicable	CA - CL	<a href="#">Class</a> , mandatory <a href="#">QM - Master inspection characteristic</a> , mandatory <a href="#">ECM - Change master</a> <a href="#">Characteristic</a>
<a href="#">CO - Business process</a>	Master data	Staging Table	Not applicable	Not applicable	CO - OM	<a href="#">CO - Cost center</a> <a href="#">CO - Profit center</a>
<a href="#">CO - Statistical key figure</a>	Transactional data	Staging Table	Not applicable	Not applicable	CO	Not applicable
<a href="#">Condition contract</a>	Transactional data	Staging Table	Not applicable	Not applicable	LO - AB	<a href="#">Condition record for pricing (general template)</a> <a href="#">Customer</a> <a href="#">CO - Cost center</a> <a href="#">Product</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">Condition record for pricing in sales (restricted)</a> <a href="#">Service Contract</a> <a href="#">Supplier</a> <a href="#">PS - WBS element</a>
<a href="#">Condition record for pricing (general template)</a>	Master data	Staging Table	Not applicable	Not applicable	SD	<a href="#">Customer</a> <a href="#">Product</a> <a href="#">Supplier</a>
<a href="#">AVC - Configuration profile (restricted)</a>	Master data	Staging Table	Not applicable	Not applicable	LO - VCH	<a href="#">Product</a> , mandatory <a href="#">ECM - Change master</a> <a href="#">Object classification - General template</a>
<a href="#">Consent</a>	Transactional data	Staging Table	Not applicable	Not applicable	CA - GTF - CON	Not applicable
<a href="#">MM - Purchase contract</a>	Transactional data	Staging Table	Not applicable	Not applicable	MM - PUR	<a href="#">Supplier</a> , mandatory <a href="#">Fixed asset (incl. balances and transactions)</a> <a href="#">Fixed asset - Master data</a> <a href="#">FI - G/L account</a> <a href="#">CO - Cost center</a> <a href="#">CO - Profit center</a> <a href="#">Product</a> <a href="#">PS - Project</a> <a href="#">MM - Purchasing info record with conditions</a> <a href="#">SD - Sales order (only open SO)</a> <a href="#">PS - WBS element</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">Customer - extend existing record by multiple addresses</a>	Master data	Staging Table	Not applicable	Not applicable	SD	<a href="#">Customer</a> , mandatory
<a href="#">Customer - extend existing record by new org levels</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	SD	<a href="#">Customer</a> , mandatory <a href="#">Supplier</a>
<a href="#">Customer - extend existing record by Thailand branch code</a>	Master data	Staging Table	Not applicable	Not applicable	SD	<a href="#">Customer</a> , mandatory
<a href="#">Customer - extend existing record by credit management data</a>	Master data	Staging Table	Not applicable	Not applicable	SD	<a href="#">Customer</a> , mandatory
<a href="#">SD - Customer Material</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	SD	<a href="#">Customer</a> , mandatory <a href="#">Product</a> , mandatory <a href="#">Characteristic</a> <a href="#">Class</a>
<a href="#">Customer</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	SD	<a href="#">Bank</a> <a href="#">Supplier</a>
<a href="#">FI-CA - Direct debit mandate</a>	Master data	Staging Table	Not applicable	Not applicable	FI	<a href="#">Bank</a>
<a href="#">DG - Assessment for unpackaged product (content-based)</a>	Transactional data	Staging Table	Not applicable	Not applicable	EHS - SUS - DG	<a href="#">DG - Technical names for substance</a> <a href="#">PC - Product compliance info</a>
<a href="#">DG - Assessment for packaged product</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - DG	<a href="#">DG - Assessment for unpackaged product (content-based)</a> <a href="#">DG - Assessment for unpackaged product (text-based)</a>
<a href="#">DG - Technical names for substance</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - DG	<a href="#">PC - Substance</a> , mandatory

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">DG - Assessment for unpackaged product (text-based)</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - DG	<a href="#">PC - Product compliance info, mandatory</a>
<a href="#">Document info record</a>	Master data	Staging Table	Not applicable	Not applicable	CA - DMS	<a href="#">Customer</a> <a href="#">PM - Equipment</a> <a href="#">PM - Functional location</a> <a href="#">PM - Maintenance plan</a> <a href="#">Product</a> <a href="#">Supplier</a> <a href="#">PS - WBS element</a>
<a href="#">PM - Measurement document</a>	Master data	Staging Table	Not applicable	Not applicable	PM	<a href="#">PM - Measuring point</a>
<a href="#">PM - Measuring point</a>	Master data	Staging Table	Not applicable	Not applicable	PM	<a href="#">Characteristic</a> <a href="#">PM - Equipment</a> <a href="#">PM - Functional location</a> <a href="#">QM/PM - Catalog code group/code</a>
<a href="#">PM - Maintenance notification</a>	Transactional data	Staging Table	<a href="#">Yes</a>	Not applicable	PM	<a href="#">PM - Equipment</a> <a href="#">PM - Functional location</a> <a href="#">Product</a> <a href="#">QM/PM - Catalog code group/code</a> <a href="#">QM - Selected set code</a> <a href="#">Work center/Resource</a>
<a href="#">EFD - Reinf report (Brazil)</a>	Transactional data	Staging Table	Not applicable	Not applicable	FI - LOC - FI	Not applicable
<a href="#">EHS - Location aggregation</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - EM	<a href="#">EHS - Location, mandatory</a> <a href="#">EHS - Data classifier</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">EHS - Chemical/Physical property</a> <a href="#">EHS - Compliance scenario</a> <a href="#">PC - Substance</a>
<a href="#">EHS - Data classifier</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - EM	Not applicable
<a href="#">EHS - Calculation definition</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - EM	<a href="#">EHS - Location aggregation</a> <a href="#">EHS - Data classifier</a> <a href="#">EHS - Location classifier</a> <a href="#">EHS - Location</a> <a href="#">EHS - Data collection</a> <a href="#">EHS - Chemical/Physical property</a> <a href="#">EHS - Compliance requirement</a> <a href="#">EHS - Compliance scenario</a> <a href="#">PC - Substance</a>
<a href="#">EHS - Location classifier</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - CI	Not applicable
<a href="#">EHS - Deviation incident</a>	Transactional data	Staging Table	Not applicable	Not applicable	EHS - SUS - EM	<a href="#">EHS - Location</a> <a href="#">EHS - Compliance requirement</a>
<a href="#">EHS - Location hierarchy (deprecated)</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - FND	<a href="#">EHS - Location</a>
<a href="#">EHS - Location hierarchy</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - FND	<a href="#">EHS - Location</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">EHS - Location</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - FND	<a href="#">EHS - Location classifier</a> <a href="#">EHS - Chemical/Physical property</a>
<a href="#">EHS - Data collection</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - EM	<a href="#">EHS - Data classifier</a> <a href="#">EHS - Location</a> <a href="#">EHS - Chemical/Physical property</a> <a href="#">PC - Substance</a>
<a href="#">EHS - Chemical/Physical property</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - FND	Not applicable
<a href="#">PC - Raw material compliance info</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - FND	<a href="#">Product</a> <a href="#">PC - Substance</a> <a href="#">Supplier</a>
<a href="#">EHS - Compliance requirement</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - CI	<a href="#">EHS - Location classifier</a> <a href="#">EHS - Location</a> <a href="#">EHS - Chemical/Physical property</a> <a href="#">PC - Substance</a>
<a href="#">EHS - Compliance scenario</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - EM	<a href="#">EHS - Location aggregation</a> <a href="#">EHS - Data classifier</a> <a href="#">EHS - Calculation definition</a> <a href="#">EHS - Location classifier</a> <a href="#">EHS - Location</a> <a href="#">EHS - Data collection</a> <a href="#">EHS - Chemical/Physical property</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">EHS - Compliance requirement</a> <a href="#">EHS - Sampling definition</a> <a href="#">PC - Substance</a>
<a href="#">EHS - Task</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - FND	<a href="#">EHS - Deviation incident</a> <a href="#">EHS - Location</a> <a href="#">EHS - Compliance requirement</a> <a href="#">EHS - Compliance scenario</a>
<a href="#">PC - Product compliance info</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - FND	<a href="#">PC - Raw material compliance info</a> <a href="#">Product</a> <a href="#">PC - Substance</a>
<a href="#">PM - Equipment BOM</a>	Master data	Staging Table	Not applicable	Not applicable	PM	<a href="#">PM - Equipment, mandatory</a> <a href="#">ECM - Change master</a> <a href="#">PP-KAB - Production supply area</a> <a href="#">Product</a> <a href="#">Supplier</a>
<a href="#">PM - Equipment task list</a>	Master data	Staging Table	Not applicable	Not applicable	PM	<a href="#">PM - Equipment, mandatory</a> <a href="#">MM - Purchase contract</a> <a href="#">PM - Functional location</a> <a href="#">CO - Activity type</a> <a href="#">Product</a> <a href="#">MM - Purchasing info record with conditions</a> <a href="#">MM - Purchase scheduling agreement</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">Supplier</a> <a href="#">Work center/Resource</a>
<a href="#">PM - Equipment</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	PM	<a href="#">Batch unique at material and client level</a> <a href="#">Batch unique at plant level</a> <a href="#">Fixed asset (incl. balances and transactions)</a> <a href="#">Fixed asset - Master data</a> <a href="#">PM - Functional location</a> <a href="#">CO - Cost center</a> <a href="#">Product</a> <a href="#">PS - WBS element</a> <a href="#">Work center/Resource</a>
<a href="#">Warehouse storage bin</a>	Master data	Staging Table	Not applicable	Not applicable	SCM - EWM	Not applicable
<a href="#">Warehouse fixed bin assignment</a>	Master data	Staging Table	Not applicable	Not applicable	SCM - EWM	<a href="#">Warehouse storage bin</a> , mandatory <a href="#">Product</a> , mandatory
<a href="#">Warehouse storage bin sorting</a>	Master data	Staging Table	Not applicable	Not applicable	SCM - EWM	<a href="#">Warehouse storage bin</a> , mandatory
<a href="#">Exchange rate</a>	Master data	Staging Table	Not applicable	Not applicable	FI	Not applicable
<a href="#">FI - Historical balance</a>	Transactional data	Staging Table	Not applicable	Not applicable	FI	<a href="#">FI - G/L account</a> , mandatory <a href="#">JVA - Joint venture partner</a> <a href="#">JVA - Joint venture master data</a> <a href="#">CO - Cost center</a> <a href="#">CO - Profit center</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">Revenue accounting contract</a>	Transactional data	Staging Table	Not applicable	Not applicable	FI - RA	<a href="#">Condition record for pricing (general template)</a> <a href="#">Customer</a> <a href="#">FI - G/L account</a> <a href="#">CO - Cost center</a> <a href="#">CO - Profit center</a> <a href="#">Product</a> <a href="#">Service order (only open SRVO)</a> <a href="#">PS - WBS element</a>
<a href="#">Fixed asset - Postings</a>	Transactional data	Staging Table	Not applicable	Not applicable	FI - AA	<a href="#">Fixed asset - Master data, mandatory</a>
<a href="#">Fixed asset (incl. balances and transactions)</a>	Transactional data	Staging Table	Not applicable	Not applicable	FI - AA	<a href="#">CO - Internal order (restricted)</a> <a href="#">CO - Cost center</a> <a href="#">CO - Activity type</a> <a href="#">PM - Maintenance order</a> <a href="#">CO - Profit center</a> <a href="#">Product</a> <a href="#">PSM - Budget period</a> <a href="#">PSM - Fund</a> <a href="#">Supplier</a> <a href="#">PS - WBS element</a>
<a href="#">Fixed asset - Master data</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	FI - AA	<a href="#">Fixed asset - Usage object</a> <a href="#">CO - Cost center</a> <a href="#">CO - Activity type</a> <a href="#">CO - Profit center</a> <a href="#">Product</a> <a href="#">PSM - Budget period</a> <a href="#">PSM - Fund</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">Supplier</a>
<a href="#">Fixed asset - Usage object</a>	Transactional data	Staging Table	Not applicable	Not applicable	FI - AA	Not applicable
<a href="#">Field Logistics - Container (restricted)</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	CA - FL - SG	<a href="#">PM - Equipment Product Supplier</a>
<a href="#">Field logistics - Supplier item</a>	Transactional data	Staging Table	<a href="#">Yes</a>	Not applicable	CA - FL - SRV	<a href="#">MM - Purchase order (only open PO)</a> , mandatory
<a href="#">PM - Functional location task list</a>	Master data	Staging Table	Not applicable	Not applicable	PM	<a href="#">PM - Functional location</a> , mandatory <a href="#">MM - Purchase contract</a> <a href="#">PM - Equipment</a> <a href="#">CO - Activity type</a> <a href="#">Product</a> <a href="#">MM - Purchasing info record with conditions</a> <a href="#">MM - Purchase scheduling agreement</a> <a href="#">Supplier</a> <a href="#">Work center/Resource</a>
<a href="#">PM - Functional location BOM</a>	Master data	Staging Table	Not applicable	Not applicable	PM	<a href="#">PM - Functional location</a> , mandatory <a href="#">ECM - Change master</a> <a href="#">Class</a> <a href="#">PP-KAB - Production supply area</a> <a href="#">Product</a> <a href="#">Supplier</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">PM - Functional location</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	PM	<a href="#">Fixed asset (incl. balances and transactions)</a> <a href="#">Fixed asset - Master data</a> <a href="#">CO - Cost center</a> <a href="#">Product</a> <a href="#">PS - WBS element</a> <a href="#">Work center/Resource</a>
<a href="#">PM - General maintenance task list</a>	Master data	Staging Table	Not applicable	Not applicable	PM	<a href="#">MM - Purchase contract</a> <a href="#">Document info record</a> <a href="#">PM - Equipment</a> <a href="#">PM - Functional location</a> <a href="#">CO - Activity type</a> <a href="#">Product</a> <a href="#">MM - Purchasing info record with conditions</a> <a href="#">Supplier</a> <a href="#">Work center/Resource</a>
<a href="#">FI - G/L account - extend existing record by new org levels</a>	Transactional data	Staging Table	Not applicable	Not applicable	FI	<a href="#">FI - G/L account, mandatory</a>
<a href="#">FI - G/L account</a>	Master data	Staging Table	Not applicable	Not applicable	FI	Not applicable
<a href="#">FI - G/L account balance and open/line item</a>	Transactional data	Staging Table	<a href="#">Yes</a>	Not applicable	FI	<a href="#">FI - G/L account, mandatory</a> <a href="#">Customer</a> <a href="#">CO - Internal order (restricted)</a> <a href="#">JVA - Joint venture master data</a> <a href="#">CO - Cost center</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">CO - Profit center</a> <a href="#">Product</a> <a href="#">PSM - Budget period</a> <a href="#">PSM - Fund</a> <a href="#">SD - Sales order (only open SO)</a> <a href="#">Supplier</a> <a href="#">PS - WBS element</a>
<a href="#">LO - Handling unit</a>	Master data	Staging Table	Not applicable	Not applicable	LO - HU - BF	<a href="#">Batch unique at material and client level</a> <a href="#">Material inventory balance</a> <a href="#">Product</a>
<a href="#">QM - Inspection method</a>	Master data	Staging Table	Not applicable	Not applicable	QM	Not applicable
<a href="#">QM - Inspection plan</a>	Master data	Staging Table	Not applicable	Not applicable	QM	<a href="#">Customer</a> <a href="#">QM - Inspection method</a> <a href="#">QM - Master inspection characteristic</a> <a href="#">Product</a> <a href="#">QM/PM - Catalog code group/code</a> <a href="#">QM - Selected set</a> <a href="#">QM - Selected set code</a> <a href="#">Supplier</a>
<a href="#">CO - Internal order (restricted)</a>	Transactional data	Staging Table	Not applicable	Not applicable	CO	<a href="#">Fixed asset - Master data</a> <a href="#">CO - Cost center</a> <a href="#">CO - Profit center</a> <a href="#">PS - Network</a> <a href="#">SD - Sales order (only open SO)</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">PS - WBS element</a>
<a href="#">Material inventory balance</a>	Transactional data	Staging Table	Not applicable	Not applicable	MM - IM	<a href="#">Product</a> , mandatory <a href="#">Batch unique at material and client level</a> <a href="#">Customer</a> <a href="#">MM - Purchasing info record with conditions</a> <a href="#">SD - Sales order (only open SO)</a> <a href="#">Supplier</a> <a href="#">PS - WBS element</a>
<a href="#">JVA - Joint operating agreement</a>	Master data	Staging Table	Not applicable	Not applicable	CA - JVA	<a href="#">JVA - Joint venture partner</a>
<a href="#">JVA - Joint venture partner</a>	Master data	Staging Table	Not applicable	Not applicable	CA - JVA	Not applicable
<a href="#">JVA - Cost center suspense</a>	Master data	Staging Table	Not applicable	Not applicable	CA - JVA	Not applicable
<a href="#">JVA - Venture suspense</a>	Master data	Staging Table	Not applicable	Not applicable	CA - JVA	<a href="#">JVA - Joint venture master data</a> , mandatory
<a href="#">JVA - Project suspense</a>	Master data	Staging Table	Not applicable	Not applicable	CA - JVA	Not applicable
<a href="#">JVA - Joint venture master data</a>	Master data	Staging Table	Not applicable	Not applicable	CA - JVA	<a href="#">JVA - Joint operating agreement</a> , mandatory <a href="#">Customer</a> <a href="#">JVA - Joint venture partner</a>
<a href="#">CO - Cost center</a>	Master data	Staging Table	Not applicable	Not applicable	CO	<a href="#">JVA - Joint venture master data</a> <a href="#">CO - Profit center</a> <a href="#">PSM - Fund</a>
<a href="#">Legal document</a>	Transactional data	Staging Table	<a href="#">Yes</a>	Not applicable	CM - GF	<a href="#">Legal transaction</a> , mandatory

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">Document info record</a>
<a href="#">Legal transaction</a>	Transactional data	Staging Table	<a href="#">Yes</a>	Not applicable	CM-GF	<a href="#">MM - Purchase contract</a> <a href="#">Customer</a> <a href="#">MM - Purchase order (only open PO)</a> <a href="#">Real estate contract</a> <a href="#">SD - Sales contract</a> <a href="#">SD - Sales order (only open SO)</a> <a href="#">Supplier</a>
<a href="#">Material listing and exclusion</a>	Master data	Staging Table	Not applicable	Not applicable	SD	<a href="#">Customer</a> <a href="#">Product</a>
<a href="#">CO - Activity type</a>	Master data	Staging Table	Not applicable	Not applicable	CO	Not applicable
<a href="#">PM - Maintenance item</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	PM	<a href="#">PM - Equipment</a> <a href="#">PM - Equipment task list</a> <a href="#">PM - Functional location task list</a> <a href="#">PM - Functional location</a> <a href="#">PM - General maintenance task list</a> <a href="#">Product</a> <a href="#">Work center/Resource</a>
<a href="#">PM - Maintenance plan</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	PM	<a href="#">PM - Measurement document</a> <a href="#">PM - Measuring point</a> <a href="#">PM - Equipment</a> <a href="#">PM - Equipment task list</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">PM - Functional location task list</a> <a href="#">PM - Functional location</a> <a href="#">PM - General maintenance task list</a> <a href="#">PM - Maintenance item</a> <a href="#">Work center/Resource</a>
<a href="#">Product classification - Commodity code</a>	Master data	Staging Table	Not applicable	Not applicable	FT - ITR - CLS	<a href="#">Product</a> , mandatory
<a href="#">Material - Forecast planning</a>	Master data	Staging Table	Not applicable	Not applicable	MM	<a href="#">Product</a> , mandatory
<a href="#">Product classification - Legal control</a>	Master data	Staging Table	Not applicable	Not applicable	FT - ITR - CLS	<a href="#">Product</a> , mandatory
<a href="#">AVC - Material variant</a>	Master data	Staging Table	Not applicable	Not applicable	LO - VCH	<a href="#">Product</a> , mandatory <a href="#">Characteristic</a> <a href="#">Object classification - General template</a> <a href="#">AVC - Configuration profile (restricted)</a>
<a href="#">SD - Condition Record for Material determination</a>	Master data	Staging Table	Not applicable	Not applicable	SD	<a href="#">Product</a>
<a href="#">FI - Cash memo record</a>	Transactional data	Staging Table	Not applicable	Not applicable	FIN - FSCM - CLM	<a href="#">CO - Profit center</a> <a href="#">PSM - Fund</a>
<a href="#">EHS - Incident</a>	Transactional data	Staging Table	Not applicable	Not applicable	EHS - SUS - IM	<a href="#">EHS - Location</a>
<a href="#">Condition record for pricing in purchasing (restricted)</a>	Master data	Staging Table	Not applicable	Not applicable	MM - PUR	<a href="#">MM - Purchase contract</a> <a href="#">Product</a> <a href="#">MM - Purchasing info record with</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">conditions</a> <a href="#">Supplier</a>
<a href="#">Change request and activity for SAP Management of Change</a>	Master data	Staging Table	Not applicable	Not applicable	CA - IAM - MOC	Not applicable
<a href="#">QM - Master inspection characteristic</a>	Master data	Staging Table	Not applicable	Not applicable	QM	<a href="#">QM - Inspection method</a> <a href="#">QM/PM - Catalog code group/code</a> <a href="#">QM - Selected set</a> <a href="#">QM - Selected set code</a>
<a href="#">JIT - Communication group</a>	Master data	Staging Table	Not applicable	Not applicable	LE - JIT - S2P	Not applicable
<a href="#">JIT - Customer</a>	Master data	Staging Table	Not applicable	Not applicable	LE - JIT - S2C	<a href="#">Customer</a> , mandatory
<a href="#">JIT - Packing group specification</a>	Master data	Staging Table	Not applicable	Not applicable	LE - JIT - S2C	<a href="#">Product</a> , mandatory <a href="#">JIT - Supply control</a>
<a href="#">JIT - Supply control</a>	Master data	Staging Table	Not applicable	Not applicable	LE - JIT - S2C	<a href="#">JIT - Customer</a> , mandatory <a href="#">Customer</a> <a href="#">Product</a> <a href="#">Production version</a>
<a href="#">FI - Accounts payable open item</a>	Transactional data	Staging Table	Not applicable	Not applicable	FI - AP	<a href="#">FI - G/L account</a> , mandatory <a href="#">Supplier</a> , mandatory <a href="#">Exchange rate</a> <a href="#">JVA - Joint venture master data</a> <a href="#">CO - Profit center</a> <a href="#">Product</a> <a href="#">PSM - Budget period</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">PSM - Fund</a>
<a href="#">FI - Accounts receivable open item</a>	Transactional data	Staging Table	Not applicable	Not applicable	FI - AR	<a href="#">Customer</a> , mandatory <a href="#">FI - G/L account</a> , mandatory <a href="#">Exchange rate</a> <a href="#">JVA - Joint venture master data</a> <a href="#">CO - Profit center</a> <a href="#">Product</a> <a href="#">PSM - Budget period</a> <a href="#">PSM - Fund</a>
<a href="#">PMA - Customer compliance assessment</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - PMA	<a href="#">Customer</a> <a href="#">PC - Product compliance info</a> <a href="#">Product</a>
<a href="#">PMA - Simple compliance assessment</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - PMA	<a href="#">PC - Raw material compliance info</a> <a href="#">PC - Product compliance info</a>
<a href="#">PMA - Supplier information assessment</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - PMA	<a href="#">PC - Raw material compliance info</a> <a href="#">PC - Product compliance info</a> <a href="#">Supplier</a>
<a href="#">PC - Material-based composition</a>	Transactional data	Staging Table	Not applicable	Not applicable	EHS - SUS - FND	<a href="#">PC - Product compliance info</a> , mandatory <a href="#">PC - Raw material compliance info</a> <a href="#">PC - Polymer composition</a> <a href="#">PC - Substance</a>
<a href="#">PC - Physical-chemical property</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - FND	<a href="#">PC - Raw material compliance info</a> <a href="#">PC - Product compliance info</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">PC - Substance</a>
<a href="#">PC - Analytical composition</a>	Transactional data	Staging Table	Not applicable	Not applicable	EHS - SUS - FND	<a href="#">PC - Substance</a> , mandatory <a href="#">PC - Raw material compliance info</a> <a href="#">PC - Product compliance info</a> <a href="#">PC - Polymer composition</a>
<a href="#">PC - Confidential business information</a>	Transactional data	Staging Table	Not applicable	Not applicable	EHS - SUS - FND	<a href="#">PC - Product compliance info</a> <a href="#">PC - Analytical composition</a> <a href="#">PC - Polymer composition</a> <a href="#">PC - Substance</a>
<a href="#">PC - Polymer composition</a>	Transactional data	Staging Table	Not applicable	Not applicable	EHS - SUS - FND	<a href="#">PC - Substance</a> , mandatory
<a href="#">SDS - Assessment for unpackaged product</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - SDS	<a href="#">Document info record</a> , mandatory <a href="#">PC - Raw material compliance info</a> <a href="#">PC - Product compliance info</a>
<a href="#">SDS - Shipment history</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - SDS	<a href="#">Customer</a> , mandatory <a href="#">PC - Product compliance info</a> , mandatory <a href="#">Product</a> , mandatory
<a href="#">PC - Safety-related property</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - FND	<a href="#">PC - Raw material compliance info</a> <a href="#">PC - Product compliance info</a> <a href="#">PC - Substance</a>
<a href="#">PM - Maintenance order</a>	Transactional data	Staging Table	<a href="#">Yes</a>	Not applicable	PM	<a href="#">Work center/Resource</a> , mandatory

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">Batch unique at material and client level</a> <a href="#">Customer</a> <a href="#">Document info record</a> <a href="#">PM - Maintenance notification</a> <a href="#">PM - Equipment</a> <a href="#">Fixed asset (incl. balances and transactions)</a> <a href="#">Fixed asset - Master data</a> <a href="#">PM - Functional location</a> <a href="#">FI - G/L account</a> <a href="#">CO - Internal order (restricted)</a> <a href="#">CO - Cost center</a> <a href="#">CO - Activity type</a> <a href="#">PP - Process order (only open PO)</a> <a href="#">PP - Production order (only open PO)</a> <a href="#">CO - Profit center</a> <a href="#">Product</a> <a href="#">MM - Purchasing info record with conditions</a> <a href="#">MM - Purchase order (only open PO)</a> <a href="#">Supplier</a> <a href="#">PS - WBS element</a>
<a href="#">Master recipe</a>	Master data	Staging Table	Not applicable	Not applicable	PP - PI	<a href="#">Material BOM</a> <a href="#">Material BOM (new)</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">ECM - Change master</a> <a href="#">CO - Activity type</a> <a href="#">Product</a> <a href="#">Production version</a> <a href="#">MM - Purchasing info record with conditions</a> <a href="#">MM - Purchase scheduling agreement</a> <a href="#">Supplier</a> <a href="#">Work center/Resource</a>
<a href="#">PP - Process order (only open PO)</a>	Transactional data	Staging Table	Not applicable	Not applicable	PP - PI - POR	<a href="#">Product</a> , mandatory <a href="#">Production version</a> , mandatory <a href="#">Material BOM</a> <a href="#">Material BOM (new)</a> <a href="#">Master recipe</a> <a href="#">CO - Profit center</a> <a href="#">SD - Sales order (only open SO)</a> <a href="#">PS - WBS element</a>
<a href="#">PP - Production order (only open PO)</a>	Transactional data	Staging Table	Not applicable	Not applicable	PP - SFC	<a href="#">Product</a> , mandatory <a href="#">Production version</a> , mandatory <a href="#">Material BOM</a> <a href="#">Material BOM (new)</a> <a href="#">CO - Profit center</a> <a href="#">Routing</a> <a href="#">SD - Sales order (only open SO)</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">PS - WBS element</a>
<a href="#">PP-KAB - Production supply area</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	PP - KAB	Not applicable
<a href="#">PRA - Allocation cross reference</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - Contract, mandatory</a> <a href="#">PRA - Measurement point</a> <a href="#">PRA - Well and well completion</a>
<a href="#">PRA - Chemical analysis data</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - Delivery network, mandatory</a> <a href="#">PRA - extend existing supplier by PRA data</a> <a href="#">PRA - Measurement point</a> <a href="#">PRA - Well and well completion</a>
<a href="#">PRA - Marketing group assignment</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - Joint venture, mandatory</a> <a href="#">PRA - extend existing customer by PRA data</a> <a href="#">PRA - Division order interest</a> <a href="#">PRA - extend existing supplier by PRA data</a> <a href="#">Product</a>
<a href="#">PRA - MP-WC to contract cross reference</a>	Transactional data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - Contract, mandatory</a> <a href="#">PRA - extend existing customer by PRA data</a> <a href="#">PRA - Measurement point</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">PRA - Well and well completion</a> <a href="#">PRA - MP/WC transporter cross reference</a>
<a href="#">PRA - Contract volume</a>	Transactional data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - Marketing group assignment</a> <a href="#">PRA - MP-WC to contract cross reference</a> <a href="#">PRA - extend existing customer by PRA data</a> <a href="#">PRA - DOI MP WC cross reference</a> <a href="#">PRA - Delivery network</a> <a href="#">PRA - Measurement point</a> <a href="#">PRA - Well and well completion</a> <a href="#">PRA - Contract Product</a>
<a href="#">PRA - Remitter to DOI cross reference</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">CO - Cost center</a> <a href="#">PRA - Check input process rule</a> <a href="#">PRA - extend existing customer by PRA data</a> <a href="#">PRA - Division order interest</a>
<a href="#">PRA - Check input process rule</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - extend existing customer by PRA data</a>
<a href="#">PRA - Check input translation</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - extend existing customer by PRA data</a>
<a href="#">PRA - Account entry control</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - Division order interest</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">PRA - Joint venture</a> <a href="#">PRA - extend existing supplier by PRA data</a> <a href="#">PRA - Contract</a>
<a href="#">PRA - Journal entry open balance</a>	Transactional data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">CO - Cost center</a> <a href="#">PRA - extend existing customer by PRA data</a> <a href="#">PRA - Division order interest</a> <a href="#">PRA - Joint venture</a> <a href="#">PRA - extend existing supplier by PRA data</a> <a href="#">PRA - Well and well completion</a> <a href="#">PRA - Contract</a>
<a href="#">PRA - extend existing customer by PRA data</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">Customer, mandatory</a>
<a href="#">PRA - Division order interest</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - extend existing customer by PRA data</a> <a href="#">PRA - Joint venture</a> <a href="#">PRA - Ownership lease</a> <a href="#">PRA - extend existing supplier by PRA data</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">PRA - DOI accounting</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">CO - Cost center</a> <a href="#">PRA - extend existing customer by PRA data</a> <a href="#">PRA - Division order interest</a> <a href="#">PRA - Joint venture</a>
<a href="#">PRA - DOI MP WC cross reference</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - Division order interest</a> <a href="#">PRA - Joint venture</a> <a href="#">PRA - Well and well completion Product</a>
<a href="#">PRA - Joint venture</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">JVA - Joint venture master data</a> <a href="#">PRA - extend existing customer by PRA data</a>
<a href="#">PRA - Unit venture tract</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - Division order interest, mandatory</a> <a href="#">PRA - Joint venture, mandatory</a>
<a href="#">PRA - Ownership lease</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	Not applicable
<a href="#">PRA - extend existing supplier by PRA data</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">Supplier, mandatory</a>
<a href="#">PRA - Delivery network</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - Joint venture</a>
<a href="#">PRA - Delivery network allocation profile</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - Delivery network</a> <a href="#">PRA - Delivery network downstream node</a> <a href="#">Product</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">PRA - Delivery network downstream node</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - Delivery network</a> <a href="#">PRA - Measurement point</a> <a href="#">PRA - Well and well completion</a>
<a href="#">PRA - Measurement point</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">CO - Cost center</a>
<a href="#">PRA - Measurement point allocation profile</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - Delivery network</a> <a href="#">PRA - Delivery network allocation profile</a> <a href="#">PRA - Delivery network downstream node</a> <a href="#">PRA - Measurement point</a> <a href="#">Product</a>
<a href="#">PRA - Well and well completion</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">CO - Cost center</a> <a href="#">PRA - extend existing customer by PRA data</a> <a href="#">PS - WBS element</a>
<a href="#">PRA - Well completion test</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - Delivery network downstream node</a> <a href="#">PRA - Well and well completion</a>
<a href="#">PRA - WC/DN theoretical calculation method</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - Delivery network</a> <a href="#">PRA - Delivery network downstream node</a> <a href="#">PRA - Well and well completion</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">PRA - MP/WC transporter cross reference</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - extend existing customer by PRA data</a> <a href="#">PRA - Well and well completion</a>
<a href="#">PRA - Measurement point volume</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - extend existing customer by PRA data</a> <a href="#">PRA - Delivery network</a> <a href="#">PRA - Delivery network downstream node</a> <a href="#">PRA - Measurement point</a> <a href="#">PRA - Measurement point allocation profile</a> <a href="#">PRA - MP/WC transporter cross reference</a> <a href="#">PRA - Contract Product</a>
<a href="#">PRA - Well completion volume</a>	Transactional data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - extend existing customer by PRA data</a> <a href="#">PRA - Well and well completion</a> <a href="#">PRA - MP/WC transporter cross reference</a> <a href="#">Product</a>
<a href="#">PRA - Contract</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - extend existing customer by PRA data</a> <a href="#">PRA - Division order interest</a> <a href="#">PRA - Joint venture</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">PRA - extend existing supplier by PRA data</a>
<a href="#">PRA - Valuation formula</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - extend existing customer by PRA data</a> <a href="#">PRA - Division order interest</a> <a href="#">PRA - Joint venture</a> <a href="#">PRA - Unit venture tract</a> <a href="#">PRA - Well and well completion</a> <a href="#">PRA - Contract Product</a>
<a href="#">PRA - Settlement diversity</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - Division order interest</a> <a href="#">PRA - Joint venture</a> <a href="#">PRA - extend existing supplier by PRA data</a> <a href="#">PRA - Well and well completion</a> <a href="#">PRA - Contract</a> <a href="#">PRA - Valuation formula</a>
<a href="#">PRA - Settlement statement DOI cross reference</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - extend existing customer by PRA data</a> <a href="#">PRA - Division order interest</a> <a href="#">PRA - Joint venture</a> <a href="#">PRA - Contract Product</a>
<a href="#">PRA - State tax rate</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	Not applicable

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">PRA - Tax calculation data</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	Not applicable
<a href="#">PRA - Valuation cross reference</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - Division order interest</a> <a href="#">PRA - Joint venture</a> <a href="#">PRA - Unit venture tract</a> <a href="#">PRA - Well and well completion</a> <a href="#">PRA - Contract</a> <a href="#">PRA - Valuation formula</a>
<a href="#">PRA - Well completion tax classification</a>	Master data	Staging Table	Not applicable	Not applicable	IS - OIL - PRA	<a href="#">PRA - Well and well completion</a> , mandatory
<a href="#">CO - Profit center</a>	Master data	Staging Table	Not applicable	Not applicable	CO	Not applicable
<a href="#">Product consumption</a>	Transactional data	Staging Table	Not applicable	Not applicable	MM	<a href="#">Product</a> , mandatory
<a href="#">Product - extend existing record by new org levels</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	LO - MD - MM	<a href="#">Product</a> , mandatory <a href="#">PP-KAB - Production supply area</a> <a href="#">CO - Profit center</a>
<a href="#">Product - extend existing record with long text</a>	Master data	Staging Table	Not applicable	Not applicable	LO	<a href="#">Product</a> , mandatory
<a href="#">Service product</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	LO	<a href="#">CO - Profit center</a>
<a href="#">Product</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	LO - MD - MM	<a href="#">ECM - Change master</a> <a href="#">Customer</a> <a href="#">PP-KAB - Production supply area</a> <a href="#">CO - Profit center</a> <a href="#">RFM - Merchandise category</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">Supplier</a>
<a href="#">Production version</a>	Master data	Staging Table	Not applicable	Not applicable	PP	<a href="#">Product, mandatory</a> <a href="#">Material BOM</a> <a href="#">Material BOM (new)</a> <a href="#">PM - Equipment task list</a> <a href="#">PM - Functional location task list</a> <a href="#">PM - General maintenance task list</a> <a href="#">Master recipe</a> <a href="#">PP-KAB - Production supply area</a> <a href="#">Routing</a>
<a href="#">JIT - Control cycle</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	LE - JIT - S2P	<a href="#">PP-KAB - Production supply area, mandatory</a> <a href="#">JIT - Communication group</a> <a href="#">Product</a> <a href="#">MM - Purchase scheduling agreement</a>
<a href="#">PP-KAB - Kanban control cycle</a>	Master data	Staging Table	Not applicable	Not applicable	PP - KAB	<a href="#">PP-KAB - Production supply area, mandatory</a> <a href="#">Product, mandatory</a> <a href="#">Warehouse storage bin</a> <a href="#">CO - Cost center</a> <a href="#">Production version</a> <a href="#">MM - Purchase scheduling agreement</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">SD - Sales scheduling agreement</a> <a href="#">Supplier</a> <a href="#">Work center/Resource</a>
<a href="#">PS - Network</a>	Master data	Staging Table	Not applicable	Not applicable	PS	<a href="#">CO - Profit center</a> <a href="#">SD - Sales order (only open SO)</a> <a href="#">PS - WBS element</a>
<a href="#">PS - Project</a>	Master data	Staging Table	Not applicable	Not applicable	PS	<a href="#">CO - Profit center</a>
<a href="#">MM - Purchasing info record- extend existing record</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	MM - PUR	<a href="#">Product</a> <a href="#">MM - Purchasing info record with conditions</a> <a href="#">Supplier</a>
<a href="#">MM - Model product specification</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	MM - PUR - MPS	<a href="#">Product</a>
<a href="#">MM - Purchase order (only open PO)</a>	Transactional data	Staging Table	<a href="#">Yes</a>	Not applicable	MM - PUR	<a href="#">Supplier, mandatory</a> <a href="#">Batch unique at material and client level</a> <a href="#">Material BOM (new)</a> <a href="#">MM - Purchase contract</a> <a href="#">Customer</a> <a href="#">Fixed asset (incl. balances and transactions)</a> <a href="#">Fixed asset - Master data</a> <a href="#">FI - G/L account</a> <a href="#">CO - Internal order (restricted)</a> <a href="#">CO - Cost center</a> <a href="#">CO - Profit center</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">Product</a> <a href="#">PSM - Fund</a> <a href="#">PS - Project</a> <a href="#">MM - Purchasing info record with conditions</a> <a href="#">SD - Sales order (only open SO)</a> <a href="#">PS - WBS element</a>
<a href="#">MM - Purchasing info record with conditions</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	MM - PUR	<a href="#">Supplier, mandatory</a> <a href="#">Product</a>
<a href="#">QM/PM - Catalog code group/code</a>	Master data	Staging Table	Not applicable	Not applicable	QM	Not applicable
<a href="#">QM - Quality info record</a>	Master data	Staging Table	Not applicable	Not applicable	QM	<a href="#">Product, mandatory</a> <a href="#">Supplier, mandatory</a>
<a href="#">Real estate contract</a>	Transactional data	Staging Table	<a href="#">Yes</a>	Not applicable	RE - FX	<a href="#">Customer</a> <a href="#">CO - Cost center</a> <a href="#">CO - Profit center</a> <a href="#">PSM - Fund</a> <a href="#">Real estate - Usage enablement group</a> <a href="#">Real estate - Occupancy group</a> <a href="#">Real estate - Usable object</a> <a href="#">Supplier</a> <a href="#">PS - WBS element</a>
<a href="#">Real estate - Usage enablement group</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	RE - FX	<a href="#">Fixed asset (incl. balances and transactions)</a> <a href="#">Fixed asset - Master data</a> <a href="#">CO - Cost center</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">PS - WBS element</a>
<a href="#">Real estate - Occupancy group</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	RE - FX	<a href="#">Real estate - Usage enablement group</a> , mandatory <a href="#">CO - Cost center</a> <a href="#">PS - WBS element</a>
<a href="#">RFM - Assortment module</a>	Master data	Staging Table	Not applicable	Not applicable	LO - RFM - MD - LST	<a href="#">Customer</a> <a href="#">Product</a>
<a href="#">RFM - Merchandise category</a>	Master data	Staging Table	Not applicable	Not applicable	LO - RFM - MD - MC	<a href="#">Characteristic</a> <a href="#">RFM - Merchandise category hierarchy node</a>
<a href="#">RFM - Merchandise category characteristic value restriction</a>	Master data	Staging Table	Not applicable	Not applicable	LO - RFM - MD - MC	<a href="#">Characteristic</a> , mandatory <a href="#">RFM - Merchandise category</a> , mandatory <a href="#">RFM - Merchandise category hierarchy node</a>
<a href="#">RFM - Merchandise category hierarchy node</a>	Master data	Staging Table	Not applicable	Not applicable	LO - RFM - MD - MC	<a href="#">Characteristic</a>
<a href="#">RFM - Merchandise category hierarchy node assignment</a>	Master data	Staging Table	Not applicable	Not applicable	LO - RFM - MD - MC	<a href="#">RFM - Merchandise category hierarchy node</a> , mandatory
<a href="#">RFM - MCHN Characteristic value restriction</a>	Master data	Staging Table	Not applicable	Not applicable	LO - RFM - MD - MC	<a href="#">Characteristic</a> , mandatory <a href="#">RFM - Merchandise category hierarchy node</a> , mandatory
<a href="#">RFM - Merchandise category reference article</a>	Master data	Staging Table	Not applicable	Not applicable	LO - RFM - MD - MC	<a href="#">Product</a> , mandatory <a href="#">RFM - Merchandise</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">category</a> , mandatory
<a href="#">RFM - Product assignment to distribution center</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	LO - RFM - MD - LST	<a href="#">Customer</a> , mandatory <a href="#">Product</a> , mandatory
<a href="#">Routing</a>	Master data	Staging Table	Not applicable	Not applicable	PP	<a href="#">Product</a> , mandatory <a href="#">Material BOM</a> <a href="#">Material BOM (new)</a> <a href="#">ECM - Change master</a> <a href="#">Document info record</a> <a href="#">PM - Equipment</a> <a href="#">QM - Inspection method</a> <a href="#">QM - Master inspection characteristic</a> <a href="#">MM - Purchasing info record with conditions</a> <a href="#">QM/PM - Catalog code group/code</a> <a href="#">Supplier</a> <a href="#">Work center/Resource</a>
<a href="#">MM - Purchase scheduling agreement</a>	Transactional data	Staging Table	Not applicable	Not applicable	MM - PUR	<a href="#">Supplier</a> , mandatory <a href="#">Fixed asset - Master data</a> <a href="#">CO - Cost center</a> <a href="#">CO - Profit center</a> <a href="#">Product</a> <a href="#">MM - Purchasing info record with conditions</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">SD - Sales order (only open SO)</a> <a href="#">PS - WBS element</a>
<a href="#">Condition record for pricing in sales (restricted)</a>	Master data	Staging Table	Not applicable	Not applicable	SD	<a href="#">Customer</a> <a href="#">Product</a>
<a href="#">SD - Sales contract</a>	Transactional data	Staging Table	Not applicable	Not applicable	SD	<a href="#">Batch unique at material and client level</a> <a href="#">Condition record for pricing (general template)</a> <a href="#">Customer</a> <a href="#">CO - Profit center</a> <a href="#">Product</a> <a href="#">PS - WBS element</a>
<a href="#">SD - Condition record for free goods</a>	Master data	Staging Table	Not applicable	Not applicable	SD	<a href="#">Customer</a> <a href="#">Product</a>
<a href="#">SD - Sales scheduling agreement</a>	Transactional data	Staging Table	Not applicable	Not applicable	SD - SLS	<a href="#">Condition record for pricing (general template)</a> <a href="#">Customer</a> <a href="#">Product</a>
<a href="#">QM - Selected set</a>	Master data	Staging Table	Not applicable	Not applicable	QM	<a href="#">QM/PM - Catalog code group/code, mandatory</a>
<a href="#">QM - Selected set code</a>	Master data	Staging Table	Not applicable	Not applicable	QM	<a href="#">QM/PM - Catalog code group/code, mandatory</a> <a href="#">QM - Selected set, mandatory</a>
<a href="#">FI - SEPA mandate</a>	Master data	Staging Table	Not applicable	Not applicable	FI	<a href="#">Customer</a>
<a href="#">SD - Sales order (only open SO)</a>	Transactional data	Staging Table	<a href="#">Yes</a>	Not applicable	SD	<a href="#">Customer, mandatory</a> <a href="#">Product, mandatory</a> <a href="#">Batch unique at material and client level</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">Material BOM</a> <a href="#">Material BOM (new)</a> <a href="#">Characteristic</a> <a href="#">Class</a> <a href="#">Object classification - General template</a> <a href="#">Condition record for pricing (general template)</a> <a href="#">AVC - Configuration profile (restricted)</a> <a href="#">CO - Profit center</a> <a href="#">Condition record for pricing in sales (restricted)</a> <a href="#">SD - Sales contract</a> <a href="#">PS - WBS element</a>
<a href="#">MM - Source list</a>	Master data	Staging Table	Not applicable	Not applicable	MM - PUR	<a href="#">Product, mandatory</a> <a href="#">Supplier, mandatory</a> <a href="#">MM - Purchase contract</a> <a href="#">MM - Purchase scheduling agreement</a>
<a href="#">Service order (only open SRVO)</a>	Transactional data	Staging Table	<a href="#">Yes</a>	Not applicable	CRM - S4 - SRV - SVO	<a href="#">Condition record for pricing (general template)</a> <a href="#">Customer</a> <a href="#">PM - Equipment</a> <a href="#">PM - Functional location</a> <a href="#">CO - Profit center</a> <a href="#">Product</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
						<a href="#">Condition record for pricing in sales (restricted)</a> <a href="#">Service Contract</a>
<a href="#">PC - Substance</a>	Master data	Staging Table	Not applicable	Not applicable	EHS - SUS - FND	Not applicable
<a href="#">Software/Hardware constraint</a>	Master data	Staging Table	Not applicable	Not applicable	PLM - ESD - ESC	<a href="#">Product</a> , mandatory
<a href="#">TRM - Commercial paper</a>	Transactional data	Staging Table	Not applicable	Not applicable	FIN - FSCM - TRM - TM	Not applicable
<a href="#">TRM - Deposit at notice</a>	Transactional data	Staging Table	Not applicable	Not applicable	FIN - FSCM - TRM - TM	Not applicable
<a href="#">TRM - FX option</a>	Transactional data	Staging Table	Not applicable	Not applicable	FIN - FSCM - TRM - TM	Not applicable
<a href="#">TRM - Foreign exchange collar - contract</a>	Transactional data	Staging Table	Not applicable	Not applicable	FIN - FSCM - TRM	Not applicable
<a href="#">TRM - Foreign exchange swap - contract</a>	Transactional data	Staging Table	Not applicable	Not applicable	FIN - FSCM - TRM - TM	Not applicable
<a href="#">TRM - Foreign exchange spot/forward transaction - contract</a>	Transactional data	Staging Table	Not applicable	Not applicable	FIN - FSCM - TRM - TM	Not applicable
<a href="#">TRM - Interest rate instrument</a>	Transactional data	Staging Table	Not applicable	Not applicable	FIN - FSCM - TRM	Not applicable
<a href="#">TRM - Position value</a>	Transactional data	Staging Table	Not applicable	Not applicable	FIN - FSCM - TRM - TM	<a href="#">PSM - Fund</a> <a href="#">TRM - Commercial paper</a> <a href="#">TRM - FX option</a> <a href="#">TRM - Foreign exchange swap - contract</a> <a href="#">TRM - Foreign exchange spot/forward transaction - contract</a> <a href="#">TRM - Interest rate instrument</a>

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">Supplier - extend existing record by multiple addresses</a>	Master data	Staging Table	Not applicable	Not applicable	MM	<a href="#">Supplier</a> , mandatory
<a href="#">Supplier - extend existing record by new org levels</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	MM	<a href="#">Supplier</a> , mandatory <a href="#">Customer</a>
<a href="#">Supplier - extend existing record by Thailand branch code</a>	Master data	Staging Table	Not applicable	Not applicable	MM	<a href="#">Supplier</a> , mandatory
<a href="#">Supplier</a>	Master data	Staging Table	<a href="#">Yes</a>	Not applicable	MM	<a href="#">Bank</a> <a href="#">Customer</a>
<a href="#">PS - WBS element</a>	Master data	Staging Table	Not applicable	Not applicable	PS	<a href="#">PS - Project</a> , mandatory <a href="#">PM - Equipment</a> <a href="#">PM - Functional location</a> <a href="#">CO - Cost center</a> <a href="#">CO - Profit center</a>
<a href="#">Work center/Resource</a>	Master data	Staging Table	Not applicable	Not applicable	PP	<a href="#">CO - Cost center</a> <a href="#">CO - Activity type</a> <a href="#">PP-KAB - Production supply area</a>
<a href="#">Warranty claim</a>	Transactional data	Staging Table	<a href="#">Yes</a>	Not applicable	LO-WTY	<a href="#">Supplier</a> , mandatory <a href="#">PM - Equipment</a> <a href="#">PM - Functional location</a> <a href="#">Product</a>
<a href="#">HCM - Employee</a>	Master data	Staging Table	Not applicable	Not applicable	PA-PA-XX-MIG	Not applicable
<a href="#">HCM - Object</a>	Master data	Staging Table	Not applicable	Not applicable	PA-PA-XX-MIG	Not applicable
<a href="#">HCM - Relationship</a>	Master data	Staging Table	Not applicable	Not applicable	PA-PA-XX-MIG	Not applicable

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">FI - SEPA mandate</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	FI - AR	Not applicable
<a href="#">RE-FX - Architectural object</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	RE - FX - BD	Not applicable
<a href="#">Batch unique at material and client level</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	LO - BM	Not applicable
<a href="#">Batch unique at plant level</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	LO - BM	Not applicable
<a href="#">FI - Accounts payable open item (classic G/L)</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	FI	Not applicable
<a href="#">FI - Accounts payable open item (new G/L)</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	FI	Not applicable
<a href="#">RE-FX - Building</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	RE - FX - BD	Not applicable
<a href="#">RE-FX - Business entity</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	RE - FX	Not applicable
<a href="#">Business partner</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	AP - MD - BP	Not applicable
<a href="#">Catalog code group and code</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	QM	Not applicable
<a href="#">Characteristic</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	CA - CL	Not applicable
<a href="#">Class</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	CA - CL	Not applicable
<a href="#">Condition contract</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	LO - AB	Not applicable
<a href="#">Customer</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	SD	Not applicable
<a href="#">SD - Customer material</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	SD	Not applicable
<a href="#">SD - Customer quotation</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	SD	Not applicable
<a href="#">ECM - Change master</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	PLM - PLC	Not applicable

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">PM - Equipment</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	PM	Not applicable
<a href="#">PM - Equipment BOM</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	PM	Not applicable
<a href="#">PM - Equipment task list</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	PM	Not applicable
<a href="#">Fixed asset (including balance)</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	FI - AA	Not applicable
<a href="#">CO - Activity type group</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CO	Not applicable
<a href="#">CO - Activity type</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CO	Not applicable
<a href="#">CO - Cost rate</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CO - 0M	Not applicable
<a href="#">CO - Business process</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CO - 0M - ABC	Not applicable
<a href="#">CO - Business process group</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CO - 0M - ABC	Not applicable
<a href="#">CO - Cost center</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CO	Not applicable
<a href="#">CO - Cost center group</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CO	Not applicable
<a href="#">CO - Cost element group</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CO	Not applicable
<a href="#">CO - Internal order</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	CO	Not applicable
<a href="#">CO - Profit center</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	CO	Not applicable
<a href="#">CO - Profit center group</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CO	Not applicable
<a href="#">CO - Secondary cost element</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CO	Not applicable
<a href="#">CO - Statistical key figure</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CO	Not applicable
<a href="#">FI - G/L account balance (classic G/L)</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	FI	Not applicable

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">FI - G/L account balance (new G/L)</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	FI	Not applicable
<a href="#">FI - Bank account</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	FI	Not applicable
<a href="#">Bank</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	FI	Not applicable
<a href="#">FI - Accounts receivable open item (classic GL)</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	FI	Not applicable
<a href="#">FI - Accounts receivable open item (new G/L)</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	FI	Not applicable
<a href="#">Exchange rate</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	FI	Not applicable
<a href="#">FI - G/L account</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	FI	Not applicable
<a href="#">FI - House bank</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	FI	Not applicable
<a href="#">FI - G/L open item (classic G/L)</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	FI	Not applicable
<a href="#">FI - Ledger group-specific open item</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	FI	Not applicable
<a href="#">FI - G/L open item (new G/L)</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	FI	Not applicable
<a href="#">TRM - Additional flow</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - Bank guarantee</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - Business partner role</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - Commercial paper</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - Condition detail</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - Facility</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - Fixed term deposit</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	FIN - FSCM-TRM - TM	Not applicable

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">TRM - Foreign exchange collar contract</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - FX option</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - Foreign exchange spot/forward contract</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - Foreign exchange swap contract</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - Interest rate instrument</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - Investment certificate</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - Letter of credit</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - Main flow detail</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - Interest rate swap</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - Payment detail</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - Security bond</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - Security class</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">TRM - Stock</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	FIN - FSCM-TRM - TM	Not applicable
<a href="#">PM - Functional location</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	PM	Not applicable
<a href="#">PM - Functional location BOM</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	PM	Not applicable
<a href="#">PM - Functional location task list</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	PM	Not applicable
<a href="#">Object classification (general template)</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CA	Not applicable

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">PM - General maintenance task list</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	PM	Not applicable
<a href="#">QM - Selected set code</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	QM	Not applicable
<a href="#">QM - Selected set</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	QM	Not applicable
<a href="#">QM - Inspection method</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	QM	Not applicable
<a href="#">QM - Inspection plan</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	QM	Not applicable
<a href="#">JVA - Joint venture master data (step 1)</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CA - JVA	Not applicable
<a href="#">JVA - Cost center suspense</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CA - JVA	Not applicable
<a href="#">JVA - Joint operating agreement (step 1)</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CA - JVA	Not applicable
<a href="#">JVA - Joint venture partner</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	CA - JVA	Not applicable
<a href="#">JVA - Order suspense</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CA - JVA	Not applicable
<a href="#">JVA - Project suspense</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CA - JVA	Not applicable
<a href="#">JVA - Venture suspense</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CA - JVA	Not applicable
<a href="#">RE-FX - Land</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	RE - FX - BD	Not applicable
<a href="#">PM - Maintenance item</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	PM	Not applicable
<a href="#">PM - Maintenance notification</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	PM	Not applicable
<a href="#">PM - Maintenance order</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	PM	Not applicable
<a href="#">PM - Maintenance plan</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	PM	Not applicable

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">QM - Master inspection characteristic</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	QM	Not applicable
<a href="#">Product</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	LO	Not applicable
<a href="#">PP - Material BOM</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	PP - BD	Not applicable
<a href="#">MM - Material commodity</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	LO - MD - MM	Not applicable
<a href="#">MM - Material consumption</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	MM	Not applicable
<a href="#">MM - Material inventory balance</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	MM - IM	Not applicable
<a href="#">PP - Material MRP assignment</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	PP - MRP	Not applicable
<a href="#">PM - Measurement document</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	PM - EQM - SF - MPC	Not applicable
<a href="#">PM - Measuring point</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	PM	Not applicable
<a href="#">PP - Production resource/tool</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	PP	Not applicable
<a href="#">PP - Planned independent requirement</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	PP - MRP	Not applicable
<a href="#">Pricing condition (purchasing and sales)</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	SD MM - PUR	Not applicable
<a href="#">PP - Production order</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	PP	Not applicable
<a href="#">PP - Production version</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	PP	Not applicable
<a href="#">PS - Project</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	PS	Not applicable
<a href="#">PS - Network</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	PS	Not applicable
<a href="#">MM - Purchase order</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	MM - PUR	Not applicable

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">MM - Purchase requisition (only open PR)</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	MM - PUR	Not applicable
<a href="#">MM - Purchase contract</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	MM - PUR	Not applicable
<a href="#">MM - Purchasing info record</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	MM - PUR	Not applicable
<a href="#">QM - Quality info record</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	QM	Not applicable
<a href="#">MM - Quota arrangement</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	MM - PUR	Not applicable
<a href="#">RE-FX - Real estate contract</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	RE - FX	Not applicable
<a href="#">RE-FX - Rental object</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	RE - FX	Not applicable
<a href="#">PP - Routing</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	PP	Not applicable
<a href="#">SD - Sales contract</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	SD	Not applicable
<a href="#">SD - Sales inquiry</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	SD	Not applicable
<a href="#">SD - Sales order (only open SO)</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	SD	Not applicable
<a href="#">PP - Sales order BOM</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	PP - BD	Not applicable
<a href="#">MM - Purchase scheduling agreement</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	MM - PUR	Not applicable
<a href="#">MM - Service entry sheet</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	MM	Not applicable
<a href="#">MM - Service master</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	MM - SRV	Not applicable
<a href="#">MM - Source list</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	MM - PUR	Not applicable
<a href="#">VC - Configuration profile</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	LO - VC	Not applicable
<a href="#">VC - Material variant</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	LO - VC	Not applicable

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">VC - Object dependency and dependency net</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	LO - VC	Not applicable
<a href="#">Supplier</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	MM	Not applicable
<a href="#">PP - Work breakdown structure BOM</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	PP	Not applicable
<a href="#">PP - Work center</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	PM	Not applicable
<a href="#">JVA - Joint operating agreement (step 2)</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CA - JVA	Not applicable
<a href="#">JVA - Joint venture master data (step 2)</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CA - JVA	Not applicable
<a href="#">TRM - Cap/Floor</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	FIN - FSCM - TRM - TM	Not applicable
<a href="#">TRM - Deposit at notice</a>	Transactional data	Direct Transfer - ERP	Not applicable	Supported	FIN - FSCM - TRM - TM	Not applicable
<a href="#">Document info record (DMS)</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CA - DMS	Not applicable
<a href="#">VC - Variant table structure</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	LO - VC	Not applicable
<a href="#">VC - Variant table entry</a>	Transactional data	Direct Transfer - ERP	Not applicable	Not supported	LO - VC	Not applicable
<a href="#">JIT - Customer</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	LE - JIT	Not applicable
<a href="#">EHS - Location</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	EHS - SUS - FND	Not applicable
<a href="#">EHS - Location hierarchy</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	EHS - SUS - FND	Not applicable
<a href="#">VC - Assign global dependency to characteristic</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	CA - CL	Not applicable
<a href="#">Product classification (legal control)</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	SLL - ITR - CLS	Not applicable

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">RE-FX - Business partner role</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	AP-MD-BP	Not applicable
<a href="#">VC - Interface design (characteristic group)</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	LO-VC	Not applicable
<a href="#">VC - Assign global dependency to class</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	CA-CL	Not applicable
<a href="#">PP - Master Recipe</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	PP-PI-MD-MRC	Not applicable
<a href="#">FSCM - Credit management role</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	FIN-FSCM-C	Not applicable
<a href="#">PP - Work center hierarchy</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	PP-BD-WKC	Not applicable
<a href="#">Class hierarchy</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	LO-MD-MM	Not applicable
<a href="#">SD - Material listing and exclusion</a>	Master data	Direct Transfer - ERP	Not applicable	Not supported	SD-MD-MM-LIS	Not applicable
<a href="#">LO - Handling unit</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	LO-HU	Not applicable
<a href="#">AFS - Article</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	IS-AFS-MM LO-FSH	Not applicable
<a href="#">Batch unique at plant level</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	LO-BM	Not applicable
<a href="#">AFS - Dimensional characteristic</a>	Master data	Direct Transfer - AFS	Not applicable	Not supported	CA-CL	Not applicable
<a href="#">AFS - Non-dimensional characteristic</a>	Master data	Direct Transfer - AFS	Not applicable	Not supported	CA-CL	Not applicable
<a href="#">AFS - Configuration class for material grid</a>	Master data	Direct Transfer - AFS	Not applicable	Not supported	IS-AFS-BD	Not applicable
<a href="#">Customer</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	SD	Not applicable
<a href="#">AFS - Distribution curve</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	IS-AFS-BD	Not applicable
<a href="#">AFS - Distribution curve condition</a>	Master data	Direct Transfer - AFS	Not applicable	Not supported	IS-AFS-BD	Not applicable

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">ECM - Change master</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	PLM-PLC	Not applicable
<a href="#">PM - Equipment</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	PM	Not applicable
<a href="#">Fixed asset (including balance)</a>	Transactional data	Direct Transfer - AFS	Not applicable	Not supported	FI-AA	Not applicable
<a href="#">CO - Activity type group</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	CO	Not applicable
<a href="#">CO - Activity type</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	CO	Not applicable
<a href="#">CO - Cost rate</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	CO-OM	Not applicable
<a href="#">CO - Business process</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	CO-OM-ABC	Not applicable
<a href="#">CO - Business process group</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	CO-OM-ABC	Not applicable
<a href="#">CO - Cost center</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	CO	Not applicable
<a href="#">CO - Cost center group</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	CO	Not applicable
<a href="#">CO - Cost element group</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	CO	Not applicable
<a href="#">CO - Internal order</a>	Transactional data	Direct Transfer - AFS	Not applicable	Supported	CO	Not applicable
<a href="#">CO - Profit center</a>	Master data	Direct Transfer - AFS	Not applicable	Not supported	CO	Not applicable
<a href="#">CO - Profit center group</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	CO	Not applicable
<a href="#">CO - Secondary cost element</a>	Master data	Direct Transfer - AFS	Not applicable	Not supported	CO	Not applicable
<a href="#">CO - Statistical key figure</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	CO	Not applicable
<a href="#">FI - G/L account balance (classic G/L)</a>	Transactional data	Direct Transfer - AFS	Not applicable	Not supported	FI	Not applicable
<a href="#">FI - G/L account balance (new G/L)</a>	Transactional data	Direct Transfer - AFS	Not applicable	Not supported	FI	Not applicable

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">FI - Bank account</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	FI	Not applicable
<a href="#">Bank</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	FI	Not applicable
<a href="#">FI - Accounts receivable open item (classic GL)</a>	Transactional data	Direct Transfer - AFS	Not applicable	Not supported	FI	Not applicable
<a href="#">FI - Accounts receivable open item (new G/L)</a>	Transactional data	Direct Transfer - AFS	Not applicable	Not supported	FI	Not applicable
<a href="#">Exchange rate</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	FI	Not applicable
<a href="#">FI - G/L account</a>	Master data	Direct Transfer - AFS	Not applicable	Not supported	FI	Not applicable
<a href="#">FI - House bank</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	FI	Not applicable
<a href="#">FI - G/L open item (classic G/L)</a>	Transactional data	Direct Transfer - AFS	Not applicable	Not supported	FI	Not applicable
<a href="#">FI - Ledger group-specific open item</a>	Transactional data	Direct Transfer - AFS	Not applicable	Not supported	FI	Not applicable
<a href="#">FI - G/L open item (new G/L)</a>	Transactional data	Direct Transfer - AFS	Not applicable	Not supported	FI	Not applicable
<a href="#">FI - Accounts payable open item (classic G/L)</a>	Transactional data	Direct Transfer - AFS	Not applicable	Not supported	FI	Not applicable
<a href="#">FI - Accounts payable open item (new G/L)</a>	Transactional data	Direct Transfer - AFS	Not applicable	Not supported	FI	Not applicable
<a href="#">Object classification (general template)</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	CA	Not applicable
<a href="#">PP - Material BOM</a>	Master data	Direct Transfer - AFS	Not applicable	Not supported	PP - BD	Not applicable
<a href="#">MM - Material inventory balance</a>	Transactional data	Direct Transfer - AFS	Not applicable	Not supported	MM - IM	Not applicable
<a href="#">AFS - Planned independent requirement at material level</a>	Transactional data	Direct Transfer - AFS	Not applicable	Supported	PP - MRP	Not applicable

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">AFS - Planned independent requirement at SKU level</a>	Transactional data	Direct Transfer - AFS	Not applicable	Supported	PP - MRP	Not applicable
<a href="#">PP - Planned independent requirement</a>	Transactional data	Direct Transfer - AFS	Not applicable	Supported	PP - MRP	Not applicable
<a href="#">Pricing condition (purchasing and sales)</a>	Master data	Direct Transfer - AFS	Not applicable	Not supported	SD MM - PUR	Not applicable
<a href="#">PP - Production order</a>	Transactional data	Direct Transfer - AFS	Not applicable	Not supported	PP	Not applicable
<a href="#">PP - Production version</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	PP	Not applicable
<a href="#">MM - Purchase order</a>	Transactional data	Direct Transfer - AFS	Not applicable	Supported	MM - PUR	Not applicable
<a href="#">MM - Purchase contract</a>	Transactional data	Direct Transfer - AFS	Not applicable	Not supported	MM - PUR	Not applicable
<a href="#">MM - Purchasing info record</a>	Master data	Direct Transfer - AFS	Not applicable	Not supported	MM - PUR	Not applicable
<a href="#">AFS - Quantity distribution profile</a>	Master data	Direct Transfer - AFS	Not applicable	Not supported	IS - AFS - PP - MAN	Not applicable
<a href="#">PP - Routing (Deprecated)</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	PP	Not applicable
<a href="#">SD - Sales contract</a>	Transactional data	Direct Transfer - AFS	Not applicable	Supported	SD	Not applicable
<a href="#">SD - Sales order</a>	Transactional data	Direct Transfer - AFS	Not applicable	Supported	SD	Not applicable
<a href="#">PP - Sales order BOM</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	PP - BD	Not applicable
<a href="#">MM - Purchase scheduling agreement</a>	Transactional data	Direct Transfer - AFS	Not applicable	Not supported	MM - PUR	Not applicable
<a href="#">AFS - Season</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	IS - AFS - SD	Not applicable
<a href="#">AFS - Segmentation default value</a>	Master data	Direct Transfer - AFS	Not applicable	Not supported	IS - AFS - BD	Not applicable

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">AFS - Segmentation strategy</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	IS - AFS - BD	Not applicable
<a href="#">AFS - Segmentation structure</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	IS - AFS - BD	Not applicable
<a href="#">MM - Source list</a>	Master data	Direct Transfer - AFS	Not applicable	Not supported	MM - PUR	Not applicable
<a href="#">Supplier</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	MM	Not applicable
<a href="#">PP - Work center</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	PM	Not applicable
<a href="#">Document info record (DMS)</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	CA - DMS	Not applicable
<a href="#">Class</a>	Master data	Direct Transfer - AFS	Not applicable	Not supported	CA - CL	Not applicable
<a href="#">FI - SEPA mandate</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	FI - AR	Not applicable
<a href="#">VC - Assign global dependency to characteristic</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	CA - CL	Not applicable
<a href="#">VC - Assign global dependency to class</a>	Master data	Direct Transfer - AFS	Not applicable	Not supported	CA - CL	Not applicable
<a href="#">VC - Object dependency and dependency net</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	LO - VC	Not applicable
<a href="#">AFS - Purchase grid condition record</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	IS - AFS - BD	Not applicable
<a href="#">AFS - Sales grid condition record</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	IS - AFS - SD	Not applicable
<a href="#">AFS - Value-added service</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	IS - AFS - SD	Not applicable
<a href="#">Class hierarchy</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	LO - MD - MM	Not applicable
<a href="#">PP - Routing</a>	Master data	Direct Transfer - AFS	Not applicable	Supported	PP	Not applicable
<a href="#">Warehouse fixed bin assignments</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">Warehouse storage bin</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Warehouse storage bin sorting</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Warehouse product</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Warehouse stock</a>	Master data	Direct Transfer - EWM	Not applicable	Not supported	SCM - EWM	Not applicable
<a href="#">Warehouse application log settings</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Physical inventory settings</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Shipping and receiving settings</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Production supply area</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Resource and user maintenance</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Resource group and queue settings</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Resource execution settings</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Work center determinations</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Work center dependent settings</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Material flow system</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Route</a>	Master data	Direct Transfer - EWM	Not applicable	Not supported	SCM - EWM	Not applicable
<a href="#">Carrier profile</a>	Master data	Direct Transfer - EWM	Not applicable	Not supported	SCM - EWM	Not applicable
<a href="#">Zone</a>	Master data	Direct Transfer - EWM	Not applicable	Not supported	SCM - EWM	Not applicable
<a href="#">Zones hierarchy</a>	Master data	Direct Transfer - EWM	Not applicable	Not supported	SCM - EWM	Not applicable

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">Condition records (warehouse dependent)</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Condition records (warehouse independent)</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Miscellaneous EWM master data settings</a>	Master data	Direct Transfer - EWM	Not applicable	Not supported	SCM - EWM	Not applicable
<a href="#">RFID settings</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Sample-drawing procedure</a>	Master data	Direct Transfer - EWM	Not applicable	Not supported	SCM - EWM	Not applicable
<a href="#">Wave templates</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Quality inspection rules</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Quality inspection rules (cross-warehouse)</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Warehouse handling unit</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">Warehouse storage bin user status</a>	Master data	Direct Transfer - EWM	Not applicable	Supported	SCM - EWM	Not applicable
<a href="#">eSPP - Location</a>	Master data	Direct Transfer - eSPP	Not applicable	Not supported	SCM - BAS - MD	Not applicable
<a href="#">eSPP - Product</a>	Master data	Direct Transfer - eSPP	Not applicable	Not supported	SCM - BAS - MD	Not applicable
<a href="#">eSPP - MRP Area</a>	Master data	Direct Transfer - eSPP	Not applicable	Not supported	SCM - BAS - MD	Not applicable
<a href="#">eSPP - Location Product</a>	Master data	Direct Transfer - eSPP	Not applicable	Supported	SCM - BAS - MD	Not applicable
<a href="#">eSPP - Transportation Lane</a>	Master data	Direct Transfer - eSPP	Not applicable	Not supported	SCM - BAS - MD	Not applicable
<a href="#">eSPP - Bill of Distribution (BoD)</a>	Master data	Direct Transfer - eSPP	Not applicable	Not supported	SCM - BAS - MD	Not applicable
<a href="#">eSPP - Product BoD Assignment</a>	Master data	Direct Transfer - eSPP	Not applicable	Not supported	SCM - BAS - MD	Not applicable

Migration Object Name	Business Object Type	Migration Approach	Custom Field Support	Supported by App "Analyze Your Selection Process"	Component	Predecessor Object
<a href="#">HCM - Object</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	PA - PA - XX - MIG	Not applicable
<a href="#">HCM - Employee</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	PA - PA - XX - MIG	Not applicable
<a href="#">HCM - Relationship</a>	Master data	Direct Transfer - ERP	Not applicable	Supported	PA - PA - XX - MIG	Not applicable

**⚠ Caution**

Data protection legislation may require that personal data is deleted once the data has served its originally defined purpose and is also no longer subject to additional legal data retention requirements. If data protection legislation is applicable in your case, then migrating personal data, which should have been deleted could be interpreted as the processing of personal data without any legally justified purpose.

**i Note**

For some migration objects, there are additions to the migration object name. These additions include "restricted" and "deprecated". Restricted means that not all fields and structures of the relevant business processes are covered by this migration object, deprecated means that there's a newer version of this migration object available. Deprecated objects will be deleted after a couple of releases. Make sure you always read the migration object documentation for these objects carefully. Also see SAP Note [2698032](#) for more details on deprecated migration objects.

**i Note**

Migration objects are built for initial migration of your data to SAP S/4HANA. This means that you can create data with a migration object, but you can't change or update existing data with it.

**i Note**

The predelivered data migration objects are built for SAP S/4HANA Cloud Public Edition and the respective SAP Best Practices Content. You can use these objects also for SAP S/4HANA and the respective SAP Best Practices Content. Using SAP S/4HANA, the delivered standard migration objects are templates that can be enhanced according to your needs. The enhancement is only limited by the functionality of the tool and the capabilities of the underlying API to load the data. Starting with SAP S/4HANA 1610 FPS2, you can enhance customer projects based on these delivered standard migration objects or you can create your own objects using the SAP S/4HANA migration object modeler (transaction LTMOM). For further information, please see SAP Note [2481235](#).

**Further Information**

- Use these SAP Help Portal aliases to access the following sections of our product assistance:

Type this in your browser...	To jump to...
<a href="http://help.sap.com/S4_OP_MO">http://help.sap.com/S4_OP_MO</a>	this very topic: Available Migration Objects
<a href="http://help.sap.com/S4_OP_DM">http://help.sap.com/S4_OP_DM</a>	the landing page for data migration

Type this in your browser...	To jump to...
<a href="http://help.sap.com/S4_OP_DM_STATUS">http://help.sap.com/S4_OP_DM_STATUS</a>	the entry topic: Data Migration Status

- If you want to view information about the differences between the current release and the previous release, refer to [SAP S/4HANA – Release Comparison of Migration Object Templates \(Staging Table\)](#) or [SAP S/4HANA – Release Comparison of Migration Objects \(Direct Transfer\)](#) (for customers and partners only).
- For information regarding mapping of unit of measures, refer to SAP Knowledge Base Article [2907822](#).

## Data Migration Status

App ID: F3280

With this app, you can check the status of any simulated or migrated instances in your migration projects.

### i Note

The **Data Migration Status** app supports only the **Migrate Data Using Staging Tables** migration approach.

## Key Features

You can use this app to do the following:

- Get an overview of your migration objects and projects in real time.
- Use filters and change view settings to drill down into reports faster.
- See detailed statuses for all instances.
- Get info about all messages.
- See running jobs at a glance and get notifications.
- Log and display extended statistics.
- Audit data using the built-in audit function.
- Navigate to the standard SAP Fiori app directly from each instance.
- Export reports to spreadsheet files.



Data Migration Status

## Situation Handling

This app uses Situation Handling, which automatically informs users responsible about matters that require their attention. For more information, see [Situation Handling for Data Migration](#).

## Related Information

- [Data Migration Status](#) in the SAP Fiori Apps Reference Library.
- See the Data Migration to SAP S/4HANA from Staging ([2Q2](#)) test script.
- Find frequently asked questions relating to the [Data Migration Status](#) app in SAP Knowledge Base Article [2681413](#).

## Quick Info

Use these SAP Help Portal aliases to access the following sections of our product assistance:

Type this in your browser...	To jump to...
<a href="http://help.sap.com/S4_OP_DM_STATUS">http://help.sap.com/S4_OP_DM_STATUS</a>	this very topic: Data Migration Status
<a href="http://help.sap.com/S4_OP_DM">http://help.sap.com/S4_OP_DM</a>	the landing page for data migration
<a href="http://help.sap.com/S4_OP_MO">http://help.sap.com/S4_OP_MO</a>	the entry topic: Available Migration Objects

## Supported Device Types

- Desktop
- Tablet

## Roles and Authorizations

To use the [Data Migration Status](#) app, a user with the role `SAP_CA_DMCC_APPS` or `SAP_CA_DMCC_AUDIT` is required in the SAP S/4HANA system. This user must also have the role `SAP_BR_CONFIG_EXPERT_DATA_MIG` for the front-end server.

### Role Overview


Technical Role Name	Role Description	Authorization
<code>SAP_CA_DMCC_APPS</code>	<a href="#">S/4 Migration - Content Application</a>	<a href="#">Data Migration Status</a> app <b>without</b> audit authorizations
<code>SAP_CA_DMCC_AUDIT</code>	<a href="#">S/4 Migration - Content Status App Audit</a>	<a href="#">Data Migration Status</a> app <b>with</b> audit authorizations

# Changing a View

## Context

You can change the view settings for every pane. **View Settings** include column visibility, sorting of records, filters to include or exclude certain records, and grouping.

## Procedure

1. Choose  (*Settings*). The **View Settings** dialog box appears. This is where you can change the following settings:
  - o **Columns**: Display or hide columns by selecting or deselecting the respective checkbox.
  - o **Sort**: Sort a specific column in ascending or descending order.
  - o **Filter**: Set filters to include or exclude specific information.
  - o **Group**: Group information based on a specific characteristic.
2. Change the required settings.
3. Choose **OK** to save your settings.

# Saving a View

## Context

You can save regularly used view settings as views.

## Procedure

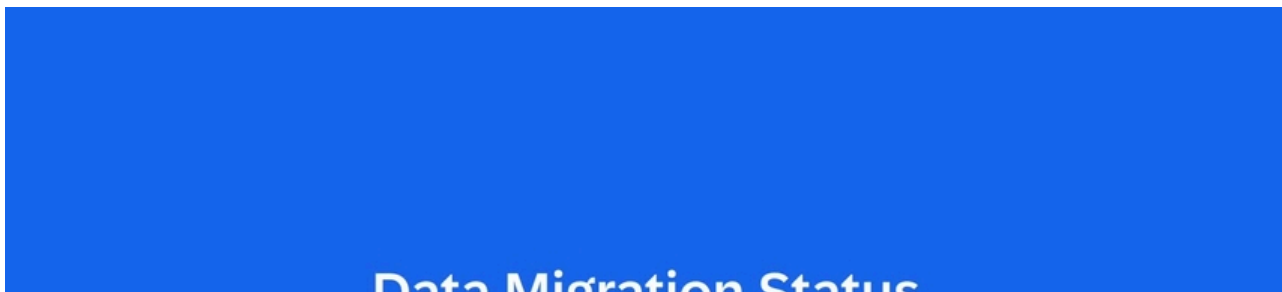
1. Apply all **View Settings** that you want to save as described under [Changing a View](#).
2. Choose the arrow right next to **Standard** in the header, and choose **Save As**.
3. Enter a name for this view and select the boxes for the settings that you want to apply, for example, **Set as Default**.
4. When you've finished, **Save** your view.

## Results

You can now select the saved view by choosing the arrow right next to **Standard** in the header.

# Extended Statistics

The **Data Migration Status** app provides logging of extended statistics.



Data Migration Status

# Data Migration Status Extended Statistics

SAP S/4HANA | SAP S/4HANA  
Cloud Public Edition

## Extended Statistics on Migration Object Level

In the **Extended Statistics** column in the **Migration Objects** overview table, three different statuses can be displayed for a migration object:

- **Statistics:** This means that logging of extended statistics is activated, and data are available.  
Choose **Statistics** to find an overview of all logged statistics for a specific migration object in all available projects.
- **No Data:** This means that logging of extended statistics is activated, and data will be available after the next migration run.
- **Turned off:** This means that logging of extended statistics is deactivated for this migration object.

### i Note

Due to the type and amount of underlying data, the extended statistics feature might not be available for all migration objects.

## Extended Statistics on Instance Level

To find detailed statistics on instance level, proceed as follows.

1. Drill down on a migration object and choose the instance you're interested in.
2. A new panel opens for the instance. Use the dropdown menu and select **Statistics**, or scroll down to the **Statistics** section manually.

Here you find detailed statistics for this instance, if available.

## Turning On Logging of Extended Statistics

### Context

Per default, logging of extended statistics is turned off. You can change the logging settings for extended statistics per migration object.

### Procedure

1. Choose **Set Extended Statistics** in the upper right corner of the screen.
2. In the **Set Extended Statistics** dialog box, switch the toggle button in the **Log Extended Statistics** column to **ON** for the required migration objects.

3. Then, **Save** your changes.

# Customizing Extended Statistics

## Context

You can customize the categories, which are displayed for a migration object.

## Procedure

1. In the **Migration Objects** overview table in the **Extended Statistics** column, choose **Statistics**.
2. Choose **Select Categories**. The **Select Categories for Breakdown** dialog box is displayed.
3. Select all checkboxes next to the required categories for breakdown.
4. Then, save your changes and close the **Select Categories for Breakdown** dialog box. The **Statistics** dialog box now displays statistics for all selected categories when you open it the next time.

# Exporting Extended Statistics

## Context

You can export your statistics to a spreadsheet file on migration object level.

- For active categories in the root structure, the exported file contains all information available.
- For substructures, it only contains the number of records.

## Procedure

1. In the **Migration Objects** overview table in the **Extended Statistics** column, choose **Statistics**.
2. In the dialog box, choose **Export Statistics**. The download of the file starts automatically, once it is generated.

# Turning Off Logging of Extended Statistics

## Context

You can change the logging settings for extended statistics per migration object.

### **Caution**

Switching off **Log Extended Statistics** not only stops new data from being logged, it also deletes previously logged data.

## Procedure

1. Choose **Set Extended Statistics** in the upper right corner of the screen.
2. In the **Set Extended Statistics** dialog box, switch the toggle button in the **Log Extended Statistics** column to **OFF** for the required migration objects.
3. Then, **Save** your changes.

# Audit Feature

Use the audit function to audit your imported records.

- [Assigning Random Records for Auditing](#)
- [Selecting Records for Auditing Manually](#)
- [Setting the Audit Status in the App](#)
- [Setting the Audit Status Offline in a Worklist](#)

## Assigning Random Records for Auditing

### Context

To assign random imported records for auditing, proceed as follows.

### Procedure

1. In the **Migration Objects** overview table, choose a migration object for which you want to assign random records for auditing.
2. Then, choose **Manage Multiple Audit Statuses** > **Mass Select Records for Audit** > **Random Selection**.
3. In the dialog box, choose **Units**, to define a certain number of records, or **%**, to define a certain percentage of imported records. Then, enter the required quantity of records to be assigned for auditing.
4. Then, choose **Audit Object**. This changes the **Audit Status** for the selected number of imported records to **Pending**.

#### → Tip

You can use the dropdown list on the left to filter for **Audit Approved**, **Audit Rejected**, or **Audit Pending**.

## Selecting Records for Auditing Manually

### Context

In addition to [Assigning Random Records for Auditing](#), you can also choose the records for auditing manually.

### Procedure

1. In the **Migration Objects** overview table, choose a migration object for which you want to assign records for auditing.
2. Then, choose **Manage Multiple Audit Statuses** > **Mass Select Records for Audit** > **Manual Selection: Download Spreadsheet**.
3. Open the downloaded **Auditing Template** spreadsheet file.
4. Fill out the auditing template for all records that you want to add for auditing with the same values that you've already used in the migration template that you've uploaded in the **Migrate Your Data – Migration Cockpit** app. Additionally, you might need to specify the **Migration Project ID** in the auditing template, if you use the same migration object records in multiple migration projects. SAP provides a **Help** tab in the downloaded auditing template that lists all migration project IDs that this migration object is used in together with their description.
5. Save your changes in the spreadsheet file.

6. In the **Data Migration Status** app, choose ► **Manage Multiple Audit Statuses** ► **Mass Select Records for Audit** ► **Manual Selection: Upload Spreadsheet** ►.
7. In the dialog box, choose **Browse...** to select the auditing template to upload. Then, choose **Upload**. This changes the **Audit Status** for the selected imported records to **Pending**.

### → Tip

You can use the dropdown list on the left to filter for **Audit Approved**, **Audit Rejected**, or **Audit Pending**.

## Setting the Audit Status in the App

### Procedure

1. In the **Migration Objects** overview table, choose a migration object for which you want to audit instances for.
2. Choose the instance you want to set the status for, and choose **Set Audit Status**.
3. In the dialog box, on the **Action** tab, you can choose one of the following statuses: **Approved**, **Pending**, or **Rejected**. Moreover, you can leave a comment in the **Notes** text area.
4. Then, **Save** your changes.

### → Tip

On the **History** tab in the dialog box, you can always check the auditing history for an instance and see all related notes.

## Setting the Audit Status Offline in a Worklist

### Context

You can download a worklist that includes all records with the audit status **Pending** for setting the audit status offline.

### Procedure

1. In the **Migration Objects** overview table, choose a migration object for which you want to audit records for.
2. Choose ► **Manage Multiple Audit Statuses** ► **Download Audit Worklist** ►.
3. Open the downloaded spreadsheet file.
4. Set the audit status in the **Audit Status** column of the spreadsheet file. Enter 1 to set the audit status to **Approved**, or enter 2 to set the audit status to **Rejected**. Moreover, you can leave a comment in the **Comment** column.
5. Save your changes in the spreadsheet file.
6. In the **Data Migration Status** app, choose ► **Manage Multiple Audit Statuses** ► **Upload Audit Worklist** ►.
7. In the dialog box, choose **Browse...** to select the audited worklist to upload. Then, choose **Upload**. This changes the **Audit Status** for the respective records.

## Navigating to Standard SAP Fiori Apps

### Context

From the **Data Migration Status** app, you can directly navigate to the respective standard SAP Fiori app.

## Procedure

1. In the **Migration Objects** overview table, choose a migration object.
2. Then, choose the target ID of an imported instance. A dialog box with additional target IDs (if any) and a link to the respective SAP Fiori app is displayed.

### Example

You can find the target ID for the **Customer** migration object in the **Customer** column.

3. Select the link to the SAP Fiori app. You're redirected to the respective standard SAP Fiori app for validation.

### **i** Note

It's also possible that no link is displayed. There are two potential reasons:

- o The role needed to access the SAP Fiori app isn't assigned to your user. Please check the respective documentation for required business roles per migration object and assign them to your user.
- o For some migration objects, it's currently not possible to link them with an app. Please access the app for validation directly via the SAP Fiori launchpad. Find more information on apps for validation per migration object in the related migration object documentation.

## Exporting Your Data


### Context

You can export every table in the **Data Migration Status** app to a spreadsheet file.

### → Tip

Exporting the information on the **Messages** tab of a migration object provides you with additional information and a detailed log in the exported spreadsheet file.

### Procedure

For any table that you want to export to a spreadsheet file, choose  (*Export to Spreadsheet*). The download of the file starts automatically, once it's generated.

## Analyze Your Selection Process

App ID: 7829

With this app, you can simulate the selection process for a specific migration object instance. Simulating the selection process has no impact on any migration project – no data is changed in the source system or in the target system.

### **i** Note

This app is only relevant for the migration approach **Migrate Data Directly from SAP System**.

### **i** Note

Not all migration objects are supported. For a list of supported objects, see [Available Migration Objects](#). Note that you will need to first choose [Hide/Show Columns](#), and then select the checkbox [Supported by App Analyze Your Selection Process](#).

## Key Features

You can use this app to do the following:

- Create an analysis run for your migration project that allows you to simulate the selection process for a specific migration object instance.
- View the results of the simulation, including the reason why the migration object instance was not selected, if applicable.
- Copy an analysis run to easily simulate the selection process for other migration object instances in the same project.

## Supported Device Types

- Desktop

# Creating Analysis Runs

## Context

You use analysis runs to simulate the selection process for specific migration object instances.

### i Note

In the [Migrate Your Data](#) app, the selection process must be complete for the relevant migration object.

### i Note

If an analysis run is in process for a migration object, and you create a new analysis run for the migration object, the status of the existing analysis run will be set to [Read-Only](#).

## Procedure

1. In the SAP S/4HANA system, open the [Analyze Your Selection Process](#) app in the Fiori Launchpad.
2. Choose [New Analysis Run](#). The [New Analysis Run](#) dialog opens. In the [Migration Project](#) field, enter the relevant migration project.  
  
In the [Migrate Your Data](#) app, the relevant migration project cannot have the status [Finished](#), [Deleted](#), or [Read-Only](#).
3. In the [Migration Object](#) field, specify the name of the relevant migration object in the project.
4. Choose the [Create](#) button. The [New Analysis Run](#) screen opens.
5. Under [Name and Comment](#), enter a name for your analysis run. You can also enter a comment.
6. Under [Migration Object Instance](#), enter the necessary data for the migration object instance.
7. Choose [Create and Start Analysis](#). The system will start your analysis run. For more information, see [Selection Steps](#).

# Copying an Analysis Run

## Context

You can copy an analysis run to easily simulate the selection process for other migration object instances in the same project.

## Procedure

1. On the **Analyze Your Selection Process** screen, select the analysis run that you want to copy.
2. Choose the **Copy** button. The **New Analysis Run** screen opens.
3. Enter a name for the analysis run. If required, you can also enter a comment.
4. Under **Migration Object Instance**, enter the necessary data for the migration object instance.
5. Choose **Create and Start Analysis**. The system will start your analysis run. For more information, see [Selection Steps](#) and [Starting a Selection Step](#).

## Selection Steps

The system selects data from the source system using four different selection steps. You use your analysis run to repeat these selection steps so that the system can identify the exact point in the selection process that the relevant migration object instance was selected. The system will also attempt to determine whether the migration object instance was not selected at a specific point in the selection process (for example because of specific selection logic for a migration object). Note that the system only simulates these selection steps, no data is selected from the source system.

The system selects data from the source system using the following selection steps:

- Step 1 - Check Whether Instance Exists in Source

This step will identify whether the relevant migration object instance exists in the source system and identify whether it can be selected from the source system.

The system will attempt to select the relevant migration object instance from the relevant database tables in the source system using the specified key fields. Note that the system will only attempt to select the migration object instance from database tables in the source system, and not from any manually defined tables. The system does not use any selection logic that is defined for the migration object to select the data.

- Step 2 - Identify Data Using Selection Logic

The system will identify the relevant data for the migration object instance in the source system and restricts the selection by using the selection logic (such as selection criteria and BAdI selection exits) that is defined for the migration object.

If the relevant migration object instance could not be selected from the source system, then the issue could relate to the selection logic that is defined for the migration object.

- Step 3 - Extract Data from Source System

The system will extract the relevant data for the migration object instance from the source system. If manually defined tables exist in the source system for the migration object, the system will use include programs to insert data into these tables for the migration object instance.

If the relevant migration object instance could not be selected from source system, then the issue could relate to the include programs.

- Step 4 - Create Instance List in Target System

The system will consider any source code rules that are used to exclude migration object instances from the selection. After that, the system will create a migration object instance list in the target system. This list is required for the subsequent migration steps such as mapping tasks, simulating the migration, and migrating data.

If the relevant migration object instance is not part of the migration object instance list in the target system, then the issue could relate to the source code rules that are used to exclude migration object instances from the selection.

For information about how to start a selection step, see [Starting a Selection Step](#).

## Starting a Selection Step

When you create an analysis run, the system automatically starts the first selection step (**Check Whether Instance Exists in Source System**).

If the system cannot select the migration object instance during this step, the system sets the status of the analysis run to **Finished**. The system cannot simulate the selection process for a migration object instance that does not exist in the source system.

If the migration object instance exists in the source system, you need to start the next selection step by choosing the **Start Next Step** button.

If the system cannot select the migration object instance during any of the subsequent selection steps, the system sets the status of the analysis run to **Finished**. You can view information about why the migration object instance could not be selected. For more information, see [Viewing the Results of a Selection Step](#).

If the system can select the migration object instance during any of the subsequent selection steps, you can proceed to the next selection step by choosing the **Start Next Step** button. Note that there are only four selection steps.

### **i Note**

If a selection step fails due to a technical issue, the system sets the status of the step to **Error**. To view more information about the issue, choose the **Show Messages** button at the bottom of the screen. To restart the selection step, choose the **Restart Step** button.

## Viewing the Results of a Selection Step

Once a selection step is complete, you can view the results of the step including, for example, the reason why data was not selected.

To view the results of a selection step, choose the **Show Messages** button at the bottom of the screen.

## Situation Handling for Data Migration

### Situation Handling

This app uses Situation Handling, which automatically informs users responsible about matters that require their attention. For more information, see [Situation Handling](#).



# Situation Handling for Data Migration

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For data migration, the situation type is named [Data Migration Complete](#) (CA\_DATA\_MIGRATION\_STEP\_COMPLETED).

## i Note

Situation handling is only available for business users.

## Data Migration Complete

**Technical Name:** CA\_DATA\_MIGRATION\_STEP\_COMPLETED

**Consuming App:** [Data Migration Status](#)

Template used for Situation Handling that informs you when the data migration steps **Simulate** or **Migrate** are completed and results are available.

For background information about the Situation Handling framework, see the Product Assistance for [Situation Handling](#).

## Business Value

As a configuration expert for business processes (SAP business role SAP\_BR\_BPC\_EXPERT), you can use this template for the following situation:

You want the data migration expert to be informed automatically when the data migration steps **Simulate** or **Migrate** are completed and results are available.

## Default Settings

The template comes with predefined settings. For the settings that aren't visible or self-explanatory, you can find information in the following sections. For generic information about how to configure situations based on this template, refer to the documentation of the [Manage Situation Types](#) app with which you can display and use the template.

For more information, see [Manage Situation Types](#).

## Situation Trigger Object and Anchor Object

These technical settings define for which object a situation is displayed (anchor object) and the object based on which a situation is triggered (trigger object):

**Trigger Object:** I\_DATAMIGRTNSTPEXTID

Anchor Object: I\_DATAMIGRTNSTPEXTID

**Description:** Data migration results available.

## Conditions

The **Mass Transfer ID** can be used as a condition in this template to get notified when a migration object in a specific migration project is completed.

The preconfigured conditions in this template are defined for processing in this order:

Condition	Condition Description
1	<b>Mass Transfer ID:</b> Every migration project has a unique mass transfer ID. You can use this ID as a condition for your this situation type to be only notified when a specific migration project is completed.

For more information, see [Conditions](#).

## Situation Display

When situations occur, users are informed about them by various texts, such as in-app situation messages or notifications on SAP Fiori launchpad. In this section, you can see all preconfigured texts.

For more information, see [Situation Display](#).

### i Note

When you copy the template and adapt it to your needs, you can define the notification settings and change all text elements in this section. After making the changes in the original language, please remember to translate these changes into the other languages that you want to use. The template comes with translations that can be changed directly when you copy the template.

For more information, see [Translate Situation Types](#).

## Recipients

In this section, you see the predefined settings for determining who is responsible for a situation instance. Based on these, you can define who receives a notification when a situation instance is triggered (if enabled) or who sees the instance in the [My Situations](#) app.

As per default, notifications are sent to the data migration expert who performs a migration activity.

For more information, see [Recipients](#).

## Situation Monitoring

**Monitor Instances:** Monitoring (the tracking of changes to situation instances) isn't enabled by default for situation templates. When you copy the template to create a situation type, you need to enable this option if you want to capture data for this situation type and enable the creation of [business situation events](#). You can view the data in the [Monitor Situations](#) app.

## Related Information

[Situation Handling](#)

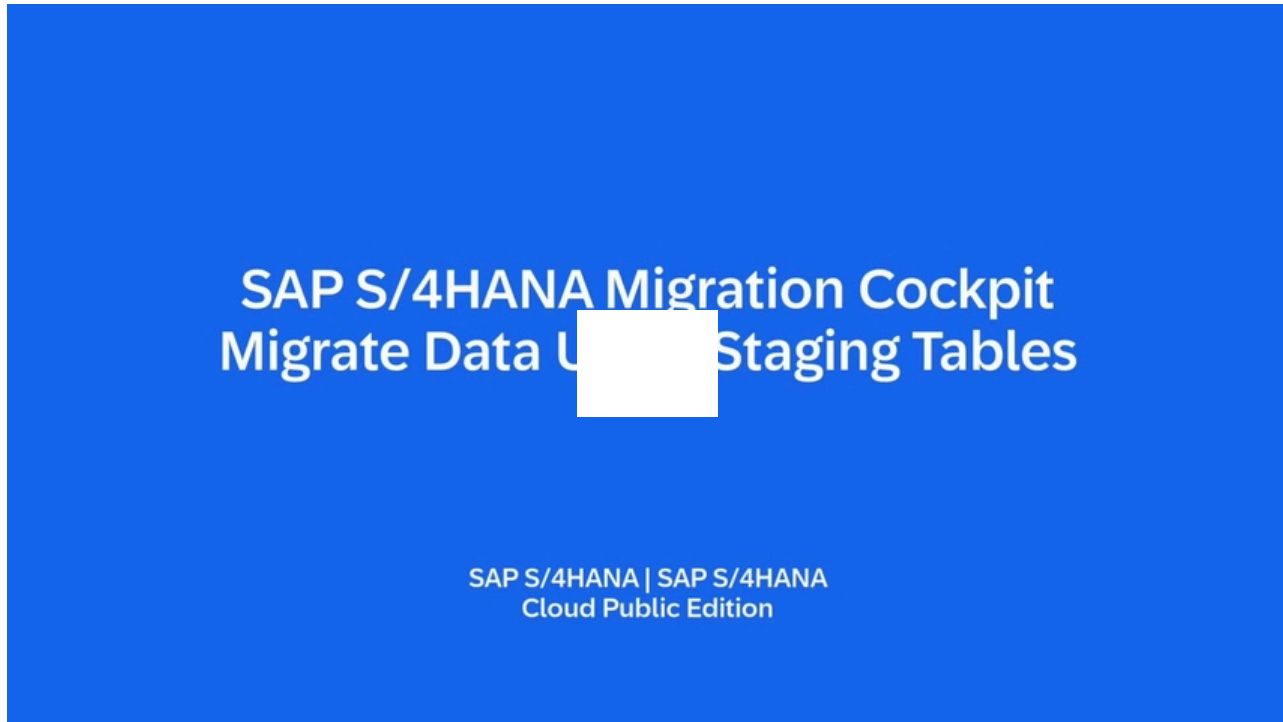
[Key Concepts in Situation Handling](#)

# Video Library for Data Migration

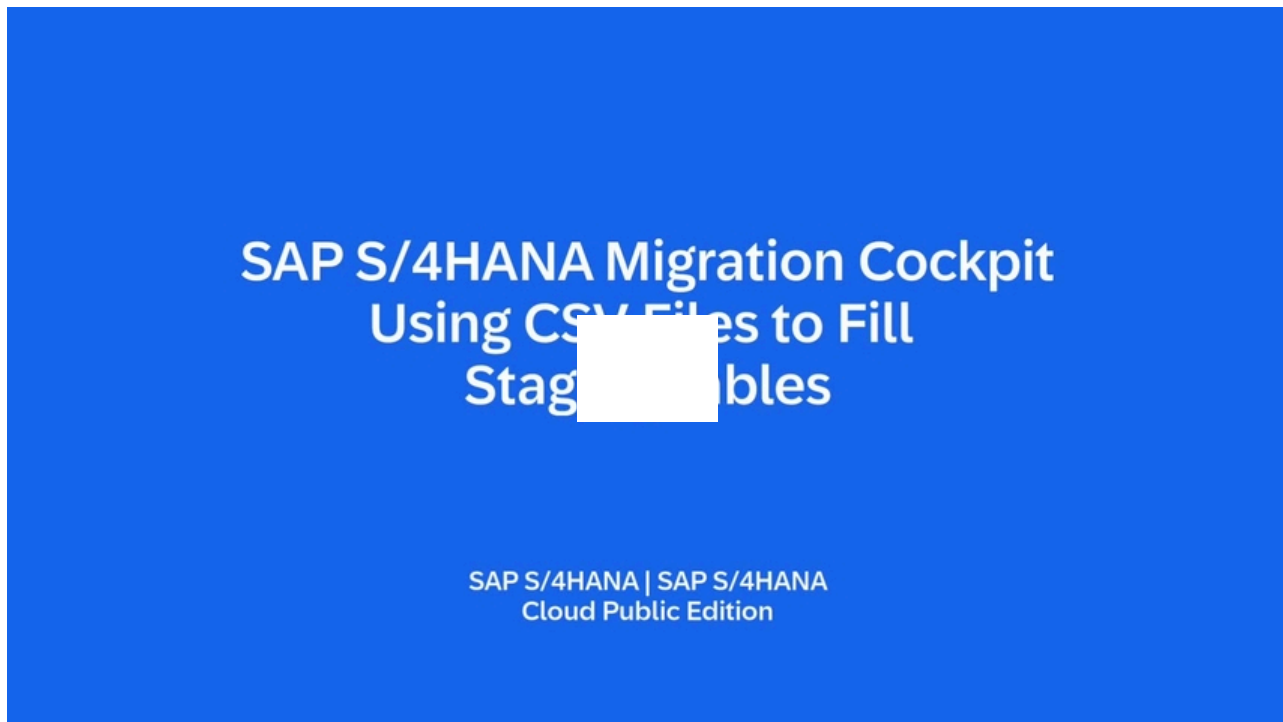
This video library gives you quick access to videos showcasing selected apps and functions that are relevant for data migration to SAP S/4HANA.

## SAP S/4HANA Migration Cockpit

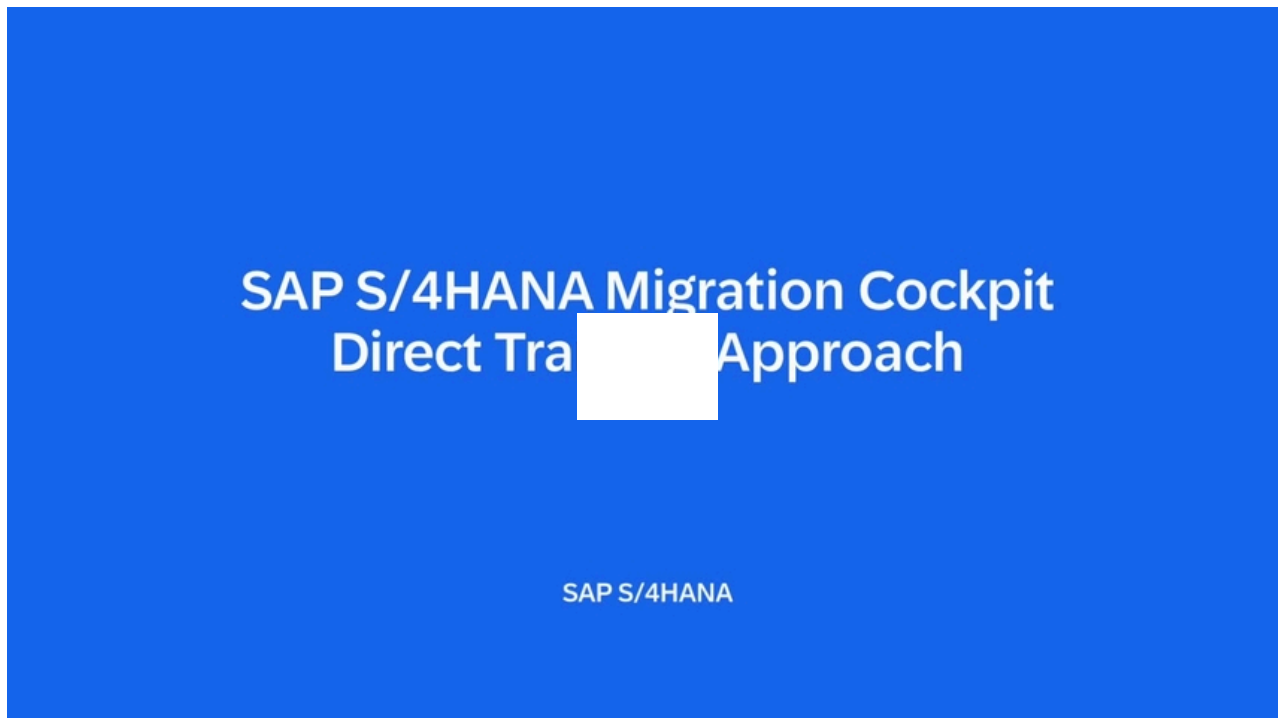
The following video shows the SAP S/4HANA Migration Cockpit using the migration approach [Migrate Data Using Staging Tables](#) and XML files.



The following video shows the SAP S/4HANA Migration Cockpit using the migration approach [Migrate Data Using Staging Tables](#) and CSV files.

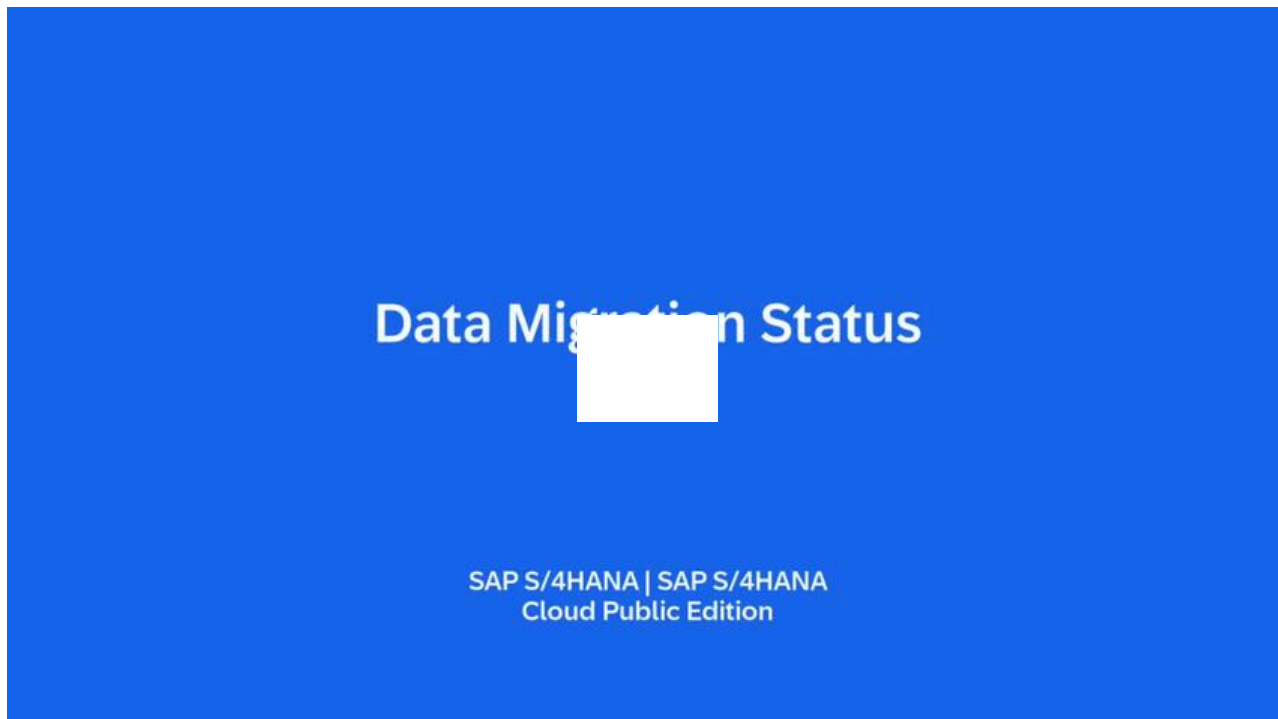


The following video shows the SAP S/4HANA Migration Cockpit using the migration approach [Migrate Data Directly from SAP System](#) in SAP S/4HANA 2022.



## Data Migration Status

With this app, you can check the status of your migration objects and projects after you've started migrating data to your SAP S/4HANA system.



In below video, we show you how to use the [Extended Statistics](#) feature of the Data Migration Status app.



# Data Migration Status Extended Statistics

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## Situation Handling for Data Migration

[Data migration uses Situation Handling](#) to automatically display a situation message when the data migration is completed and results are available.

# Situation Handling for Data Migration

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## Migration Cockpit (Transaction LTMC) - Deprecated

### Context

The app Migrate Your Data - Migration Cockpit is the successor of the Migration Cockpit (Transaction LTMC) app. The Migration Cockpit (transaction LTMC) app is deprecated and can no longer be used to migrate data to SAP S/4HANA. However, you can still view any projects that you created when using this app.