SAP Business Transformation Center - Application Help

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SAP Business Transformation Center | latest

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About This Guide

SAP Business Transformation Center is a cloud-based offering that allows you to plan data transitioning projects from SAP ECC to SAP S/4HANA. It is powered by SAP Cloud ALM.

This guide contains workflow overviews and instructions to help you get started with your business transformation. The guide addresses key users as the target audience.

Make sure that you have the latest version of this guide, which can be found under SAP Business Transformation Center .

SAP makes no warranty, either expressed or implied, for the information provided here. Due to short-term software updates, completeness cannot be guaranteed and the information is subject to change. For the same reasons, translations of this guide into languages other than English may not reflect the latest changes.

Availability

Languages

SAP Business Transformation Center is available in the following languages:

- English
- German
- French
- Spanish
- Portuguese
- Japanese
- Chinese
- Russian

The default display language of the solution is based on the language that is maintained in your browser settings.

You can change the language either in your browser settings or in the launchpad by clicking on your user profile in the top right corner and choosing **Settings** > **Language & Region**.

Technical Prerequisites

The solution is designed for desktop use, and we currently don't support mobile devices.

> → **Tip**
> We recommend that you use Google Chrome, which is the preferred browser for SAP Cloud ALM.

Scoping

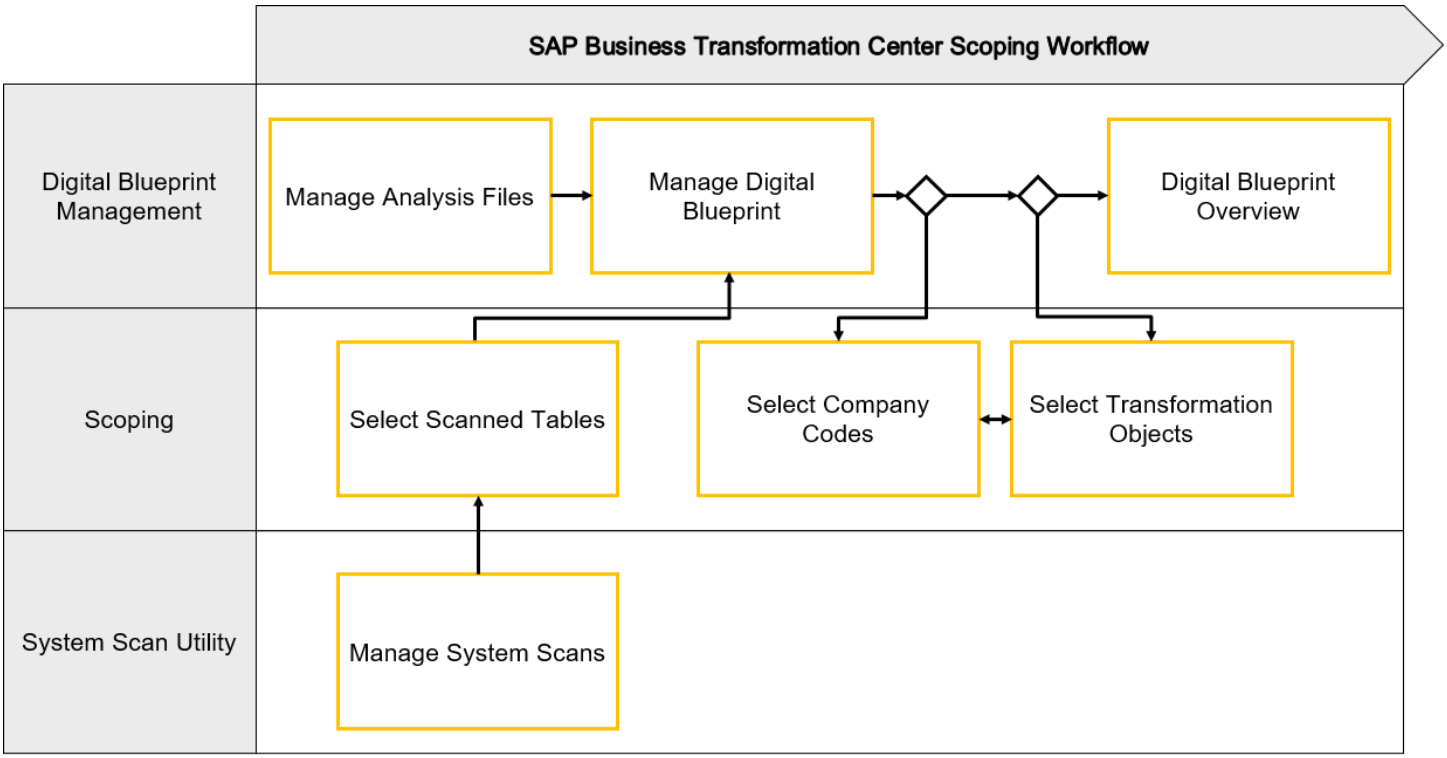
Start your business transformation journey by analyzing your data from your source SAP ECC system.

Key Features:

- Upload and manage the results of your analyses
- Scan and select custom tables
- Create and manage your digital blueprint
- Scope the standard SAP ECC content
- Get an overview of your digital blueprint with an interactive dashboard

Overview

This image is interactive. Hover over each area for a description. Click highlighted areas for more information.



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

What's New

Release notes for the Scoping domain of SAP Business Transformation Center.

Manage Analysis Files

In the **Manage Analysis Files** app, you can upload analysis files exported from the source SAP ECC system.

SAP Business Transformation Center requires source data which it then migrates to a target system. There are currently the following methods of gathering data for migration:

- By uploading an analysis file with data extracted from the source system
- By running a system scan on the source system

An analysis file is used to create an analysis, which is then associated with a digital blueprint so that the data it contains can be scoped and migrated.

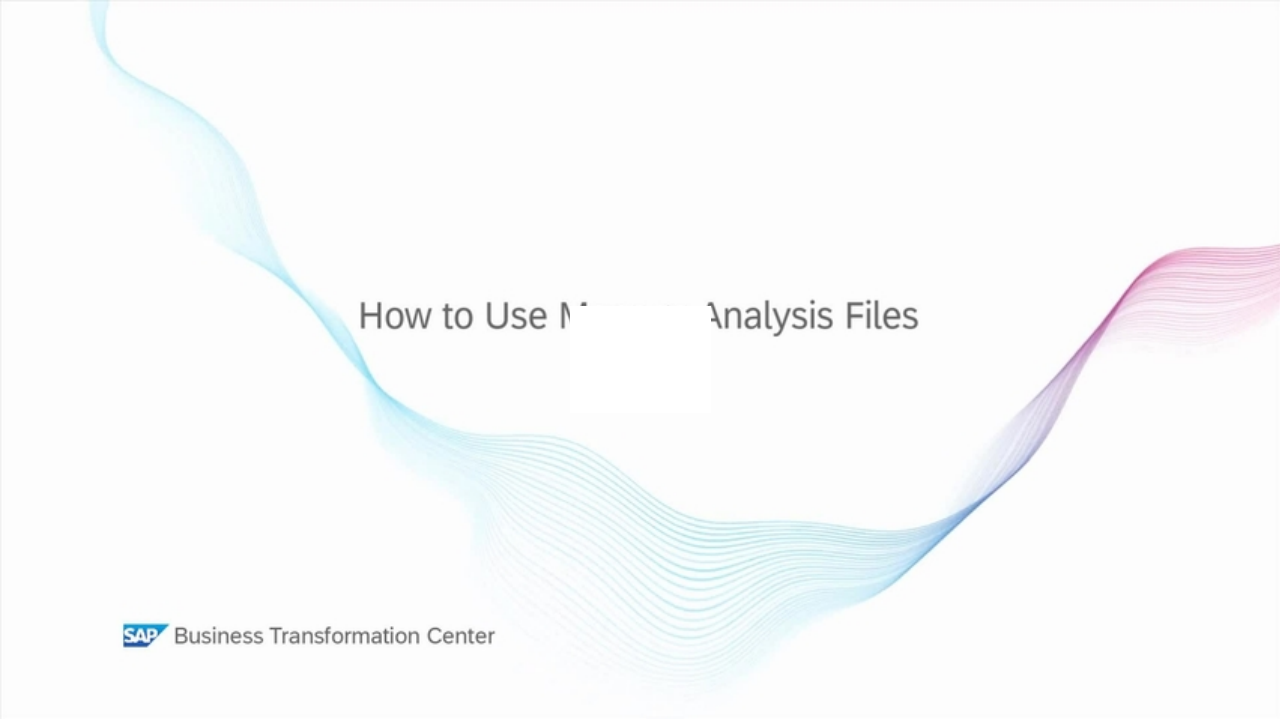
Analysis files are uploaded and managed using the **Manage Analysis Files** app.

In detail, the following options are available:

- Upload and save the analysis file
- Edit the title of the analysis file
- Edit the note you saved with the analysis file, or add a new note to an already existing file
- Review the data identified in SAP ECC and included in the analysis file:
  - Company codes
  - Transformation objects
  - Human Capital Management (HCM) data
- Check if the analysis file is associated with any digital blueprints
- Export the analysis file into a spreadsheet

How-To Videos

How to use Manage Analysis Files



Open this video in a new window

Settings

You have the following options for customizing the view in the app:

- To create views, change filter values and save your view by selecting *(Select View)*.

  The column, sort, and group settings as well as any text that has been entered in the search field are saved, too.

When you select a previously saved view, the saved filter values are accordingly applied.

You can sort your views and set a default view by selecting **Manage**. An unsaved view is marked with an asterisk next to its name.

- Select **Adapt Filters** to adjust the fields available for filtering.
- Select *(Settings)* to customize which fields are displayed in the analysis files list.

You can export the list of analysis files by selecting *(Export to Spreadsheet)*. In the resulting file, you can see the same fields that are currently displayed in the app. If you select **Export As** from the drop-down menu, then you can toggle the following on and off as well:

- Include filter settings
- Split cells with multiple values

Uploading an Analysis File

Upload an analysis file.

Before an analysis file can be used in Business Transformation Center, it must be extracted from the source system in SAP ECC. To extract an analysis file, follow the steps in the following SAP Note:

3275056

1. Select **Create** to upload a new analysis file.
2. Select *(Upload file)*, choose the correct .ZIP file, and select **Open**.

   ! Restriction

   The maximum file size allowed is 400 MB.

3. Add a title, and any notes you wish to save.
4. Select **Create**.
5. View the details of the uploaded file. Select **Edit** to modify the title or the note you saved with the file.
6. Select *(Back)* to review the list of uploaded analysis files.

Editing an Analysis

Edit your analysis.

You can only edit two properties of an analysis: the name and any notes you added. If you need to change anything else, create a new analysis using the same analysis file.

1. Choose an analysis from the list and open its detail page.
2. Select **Edit**.
3. Make the necessary changes and select **Save**.

Deleting an Analysis File

Delete your analysis file.

To delete an analysis file from the system:

1. Choose an analysis from the list and open its detail page.
2. Select **Delete** and confirm the deletion.

> ⚠ **Caution**
> A deleted analysis is not recoverable. To recover a deleted analysis, create it again using the same analysis file. An analysis that has digital blueprints associated with it cannot be deleted.

Manage Digital Blueprints

In the **Manage Digital Blueprints** app, you can create a digital blueprint based on a previously uploaded analysis file.

The digital blueprint is the central repository of technical and business information related to your data transformation project. This app allows you to manage your digital blueprints. In detail, the following options are available:

- Create, edit, and delete the digital blueprints
- Create copies of existing digital blueprints
- Define digital blueprint statuses
- View technical and business details about the digital blueprints
- Extract digital blueprint data to PDF

How-To Videos

How to use Manage Digital Blueprints

Open this video in a new window

Settings

You have the following options for customizing the view in the app:

- To create views, change filter values and save your view by selecting *(Select View)*.

  The column, sort, and group settings as well as any text that has been entered in the search field are saved, too.

  When you select a previously saved view, the saved filter values are accordingly applied.

  You can sort your views and set a default view by selecting **Manage**. An unsaved view is marked with an asterisk next to its name.

- Select **Adapt Filters** to adjust the fields available for filtering.

- Select *(Settings)* to customize which fields are displayed in the analysis files list.

You can export the list of analysis files by selecting *(Export to Spreadsheet)*. In the resulting file, you can see the same fields that are currently displayed in the app. If you select **Export As** from the drop-down menu, then you can toggle the following on and off as well:

- Include filter settings
- Split cells with multiple values

Create And Manage Digital Blueprints

You can upload, manage, confirm, and delete digital blueprints.

A digital blueprint is a kew artifact of the data migration process. Using a digital blueprint, you assemble data from different sources (analysis files, system scans), put it through the scoping process, and then use it in your business transformation.

Creating a digital blueprint

1. Select **Create** to create a new digital blueprint.

   → **Remember**

   First, execute the following SAP Note in the source SAP ECC system:

   3275056

   Then, upload the resulting ZIP file in the **Manage Analysis Files** app. You have to select an uploaded analysis file based on which you can create the digital blueprint.

2. Add a name, description, and select the analysis file.
3. Select **Create**.
4. View the details of the newly created digital blueprint. Select **Edit** to modify the name or the description. Select **Delete** if you want to delete the digital blueprint.
5. Select *(Back)* to review the list of digital blueprints.

Confirming a digital blueprint

You can edit the following properties of a digital blueprint: the name, the description, and the associated system scan. You cannot change the associated analysis. To use a different analysis, create a new digital blueprint.

→ Tip

Digital blueprints have a **Transition Readiness** section you can view to check how ready your digital blueprint is for confirmation and, if not, which steps need to be performed. You can select the items from the table to view more details and solution proposals.

1. Choose a digital blueprint with the **In Progress** status from the list and open its detail page.
2. Select **Confirm Digital Blueprint**.
3. Review the summary of your scoping decisions.
4. Review the information in the **Transition Readiness** section and resolve any errors.
5. Select the checkbox to confirm that you accept the Business Transformation Center terms of usage.
6. Select **Confirm**.

Confirming a digital blueprint is a required step for proceeding with the data transformation process. After confirming a digital blueprint, you cannot edit it or change its status. If you require further changes, create a copy of the existing digital blueprint.

Copying a digital blueprint

If necessary, you can create an exact copy of an esixting digital blueprint analysis. The copy will have the status **In Progress** and contain all of the information as the original, including associated files and applied scoping decisions.

1. Choose a digital blueprint from the list and open its detail page.
2. Select **Copy**.
3. Specify a unique name.
4. If necessary, make any other applicable changes, and select **Create**.

Editing a digital blueprint

You can edit the following properties of a digital blueprint: the name, the description, and the associated system scan. You cannot change the associated analysis. To use a different analysis, create a new digital blueprint.

1. Choose a digital blueprint from the list and open its detail page.
2. Select **Edit**.
3. Make the necessary changes and select **Save**.

Extracting a digital blueprint

You can extract your digital blueprint data into a PDF file for referencing or reviewing purposes.

1. Choose a digital blueprint from the list to open its detail page.
2. Select **Exract File**.
3. Choose to send the file for printing or save as PDF.

Note

The PDF version has a limit of 600 records and includes only items which are in scope. To include all records or items that are out of scope, export the digital blueprint into a spreadsheet..

Deleting a digital blueprint

To delete a digital blueprint from the system, do one of the following:

- Choose a digital blueprint from the list to open its detail page, select **Delete** and confirm the deletion.
- Choose a a digital blueprint from the list using the radio button in the first column, select **Delete** and confirm the deletion.

Caution

A deleted digital blueprint is not recoverable and all its previous scoping decisions are erased. A new digital blueprint based on the same analysis file that you used in the deleted one starts with the default setting, with all items being in scope.

A digital blueprint cannot be deleted if it is associated with any transformation models.

Transition Readiness

The Transition Readiness section lists various activities included in preparing a digital blueprint for data migration.

You can review this section as a checklist of the scoping process steps that may be preventing you from confirming the digital blueprint and proceeding with your data migration.

Note the following severity levels:

- **Warning:**this does not block the confirmation of the digital blueprint or the further steps of the migration process, but it may have a negative impact on the result of your data transformation. You can confirm the digital blueprint and continue the transformation process at your discretion.
- **Error:** this is a required for the confirmation of the digital blueprint. Until it is done, you cannot confirm the digital blueprint and proceed.

The **Details** column contains a description of the issue, and the **Application** column contains the link so that you can navigate to the necessary app and complete the required steps.

Transition readiness information is also displayed in the confirmation popup when confirming a digital blueprint.

Manage System Scans

In the **Manage System Scans** app, you can create a system scan and run it to gather data from a source system.

System scans are an additional method of gathering information for your data migration. A system scan analyzes a source system in SAP ECC and gathers identified tables (standard, custom, add-ons, custom namespaces, etc.).

You can find the full list of tables scanned by the system scan in the SAP Business Transformation Center FAQ, question 10:3328319

After a successful execution, you can associate this data with a digital blueprint using the Select Scanned Tables app.

Performing system scans requires the following setup:

- The source SAP ECC system must be configured in the Landscape Management app according to the instructions in the following SAP Note: 3075880 .
- An end point must be created in the Landscape Management app and assigned to the BTC use case. Follow these guides for the detailed steps:

  Onboarding a New ABAP Source System

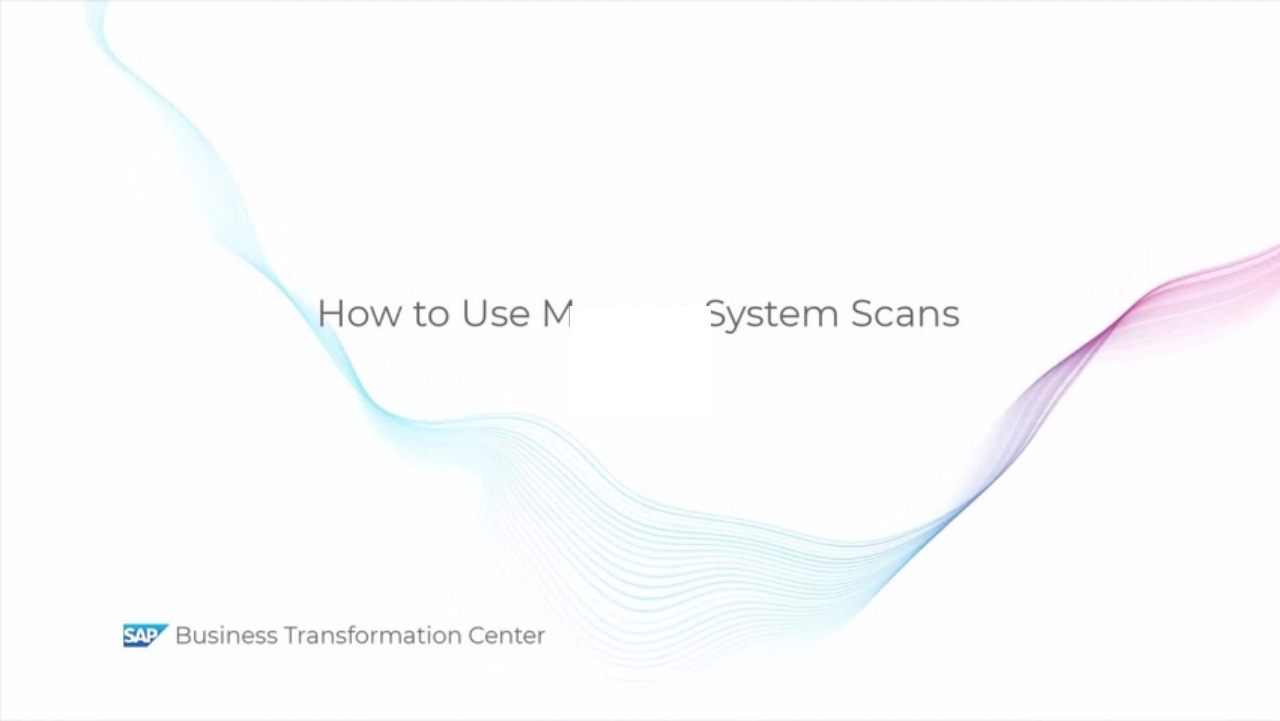
  User Management in the ABAP Source System

In detail, the following options are available:

- Create and run system scans
- Edit the title of a system scan
- Delete system scans
- Review the list of the tables returned by the system scan (if any)
- Share a system scan or export it into a spreadsheet

How-To Videos

How to use Manage System Scans



Open this video in a new window

Settings

You have the following options for customizing the view in the app:

- To create views, change filter values and save your view by selecting *(Select View)*.

  The column, sort, and group settings as well as any text that has been entered in the search field are saved, too.

When you select a previously saved view, the saved filter values are accordingly applied.

You can sort your views and set a default view by selecting **Manage**. An unsaved view is marked with an asterisk next to its name.

- Select **Adapt Filters** to adjust the fields available for filtering.
- Select *(Settings)* to customize which fields are displayed in the analysis files list.

You can export the list of analysis files by selecting *(Export to Spreadsheet)*. In the resulting file, you can see the same fields that are currently displayed in the app. If you select **Export As** from the drop-down menu, then you can toggle the following on and off as well:

- Include filter settings
- Split cells with multiple values

Creating a System Scan

Create a system scan.

1. Select **Create New Scan** to create a new system scan.
2. Add a name and choose a source system from the list.
3. Select **Create**.

Editing a System Scan

Edit your system scan.

You can only edit the name of a system scan. If you need to change the source system, create a new system scan.

1. Choose a system scan from the list and open its detail page.
2. Select **Edit**.
3. Make the necessary changes and select **Save**.

Running a System Scan

Run your system scan to analyze data in the source system.

You can launch system scans with the status **Created** or **In Error**.

⚠ Caution

You can only launch a system scan when the connection to the source system is active and the source system passes the ST-PI check. For the exact requirements, check the **Technical Prerequisites** in the following section: Technical Prerequisites

1. Select a system scan from the list to open its detail page.
2. Select **Start Scan** to launch the system scan.
3. Select *(Back)* to return to the list of system scans.

While a system scan is running its status is **In Progress**. When the status changes to **Successful**, you can open the system scan detail page and review the results. If the system scan is unsuccessful, the status changes to **Error**.

You can track all activities taking place in relation to a system scan by reviewing its **Activity Log**.

Canceling a System Scan

Cancel a running system scan.

You can cancel a system scan that is in progress.

1. Choose a system scan with the **In Progress** status from the list and open its detail page.
2. Select **Cancel Scan** and confirm the cancellation.

⚠ Caution

A canceled system scan cannot be restarted. To scan the same source system, create and run a new system scan.

Deleting a System Scan

Delete your system scan.

To delete a system scan from the system:

1. Choose a system scan from the list and open its detail page.
2. Select **Delete** and confirm the deletion.

⚠ Caution

A deleted system scan is not recoverable. To recover data from a deleted system scan, create and run it again. A system scan that has digital blueprints associated with it cannot be deleted.

Select Scanned Tables

In the **Select Scanned Tables** app, you can apply scoping decisions to scanned tables obtained from system scans generated using the Manage System Scans app.

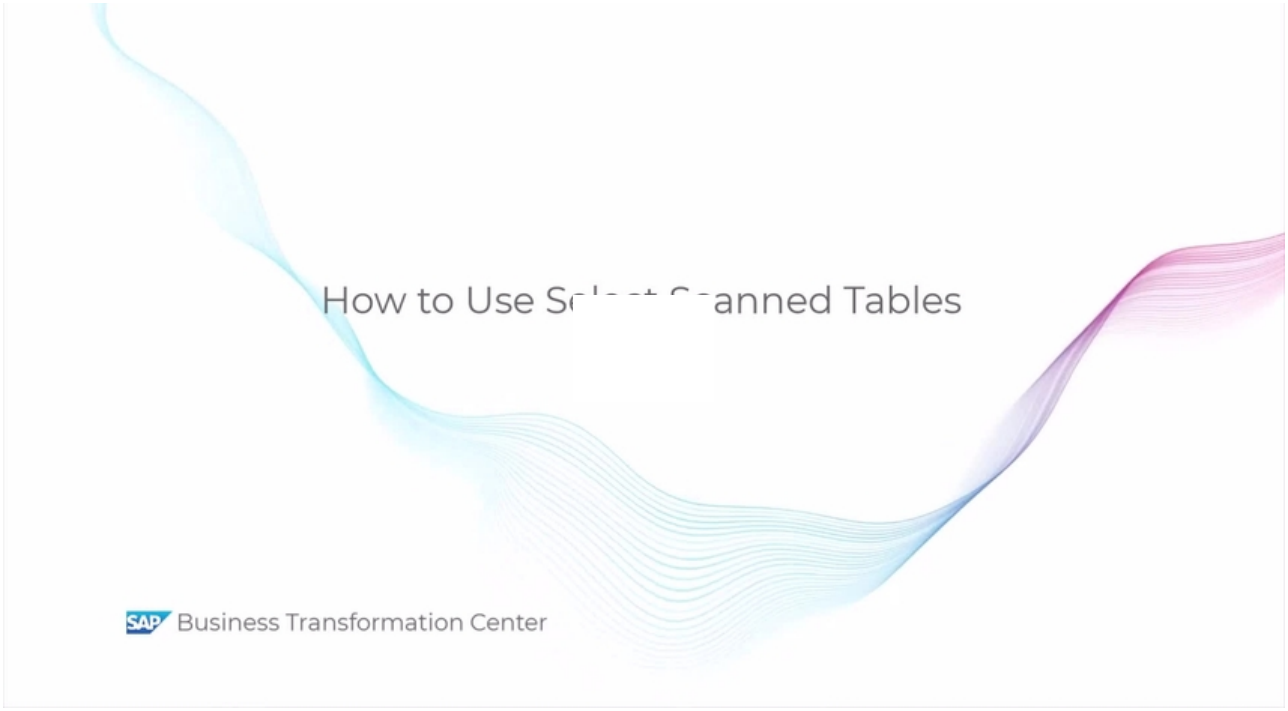
After configuring your source system in SAP ECC you can perform system scans. If there is data found in the scanned tables, it is included in the digital blueprint by default, but you can edit the scope in this app.

ℹ Note

To be able to perform scoping decisions on your scanned tables, the system scan that contains them must be associated with a digital blueprint.

How-To Videos

How to use Select Scanned Tables



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Scoping scanned tables

After associating your system scan with a digital blueprint, you can apply scoping decisions to the scanned tables it contains.

Scanned tables included in the system scan are displayed in the digital blueprint details and automatically included in scope.

To perform scoping decisions on your scanned tables:

1. Open the **Select Scanned Tables** app.
2. Choose the digital blueprint you want to adjust.
3. Use the chart view and the list of scanned tables to review the current status of your digital blueprint.
4. Use the first row in the list (□) to choose one or multiple scanned tables you want to edit and select **Mass Edit** to adjust the scope and status or add a comment.
5. Select any individual scanned table to enter the detail view. Here you can select **Edit** to do one of the following:
    - Adjust the scope and status of the selected scanned table.
    - Activate or deactivate the suggested table field filters.
    - Add comments.
6. Select □ *(Back)* to review the list of digital blueprints.

Settings

You have the following options for customizing the view in the app:

- To create views, change filter values and save your view by selecting □ *(Select View)*.

  The column, sort, and group settings as well as any text that has been entered in the search field are saved, too.

  When you select a previously saved view, the saved filter values are accordingly applied.

You can sort your views and set a default view by selecting **Manage**. An unsaved view is marked with an asterisk next to its name.

- Select **Adapt Filters** to adjust the fields available for filtering.
- Select *(Settings)* to customize which fields are displayed in the analysis files list.

You can export the list of analysis files by selecting *(Export to Spreadsheet)*. In the resulting file, you can see the same fields that are currently displayed in the app. If you select **Export As** from the drop-down menu, then you can toggle the following on and off as well:

- Include filter settings
- Split cells with multiple values

Select Company Codes

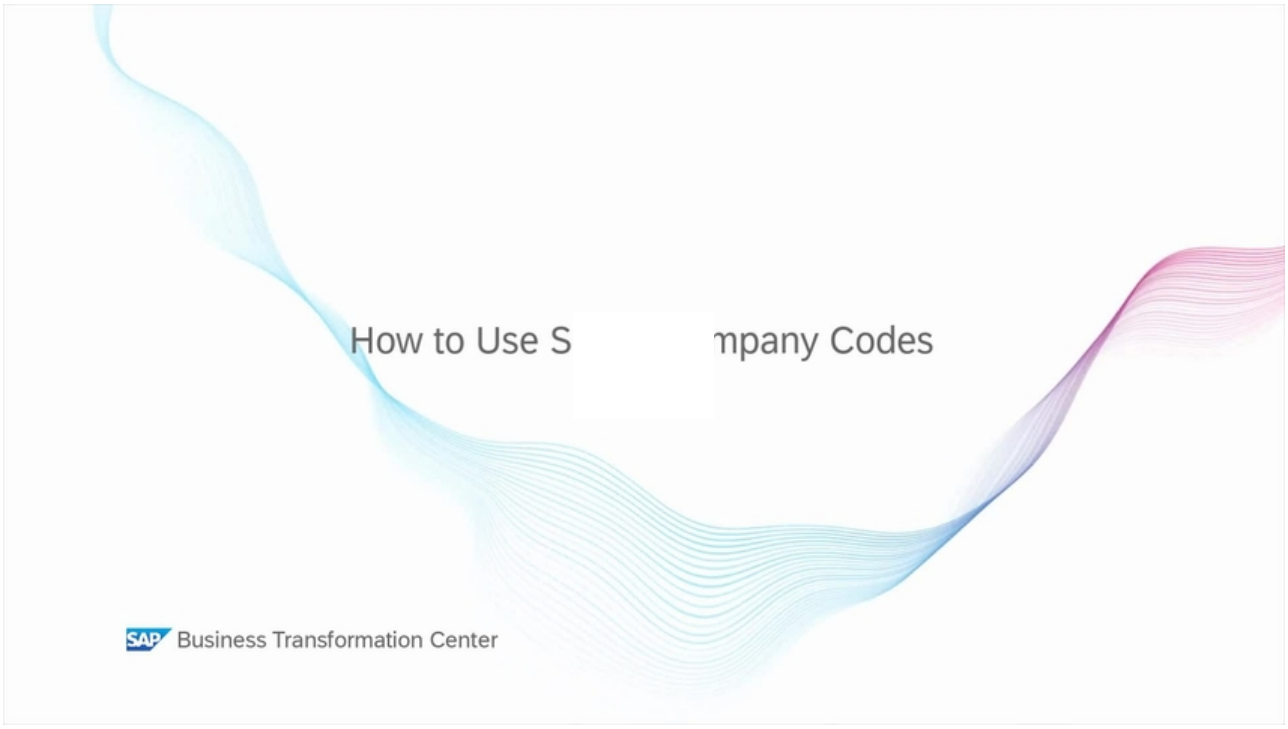
In the **Select Company Codes** app, you can select or deselect company codes to adjust the scope of your digital blueprint.

It displays multiple chart views and a full list of company codes that were imported with the analysis file. The app also provides hints to help you make a decision. In detail, the following options are available:

- View details of any given company code
- Edit company code scope individually or en masse
- Receive hints based on your current settings

How-To Videos

How to use Select Company Codes



Open this video in a new window

Workflow

1. Select the digital blueprint you want to adjust in the **Digital Blueprint** field.
2. Use the chart view and the list of company codes to review the current status of your digital blueprint.
3. Use the first row in the list (☐) to select one or multiple company codes you want to edit, and select **Mass Edit** to adjust the scope.
4. Click on any individual company code to enter the detail view, where you can check the list of corresponding transformation objects. You can also select **Edit** to adjust the scope of the selected company code.

Settings

You have the following options for customizing the view in the app:

- To create views, change filter values and save your view by selecting ☐ *(Select View)*.

  The column, sort, and group settings as well as any text that has been entered in the search field are saved, too.

  When you select a previously saved view, the saved filter values are accordingly applied.

  You can sort your views and set a default view by selecting **Manage**. An unsaved view is marked with an asterisk next to its name.

- Select **Adapt Filters** to adjust the fields available for filtering.
- Select ☐ *(Settings)* to customize which fields are displayed in the list of company codes list, or to customize the chart view settings.
- Select ☐ *(View By)* to select which attribute the chart uses displays the data within the company codes. In detail, the following options are available:
  - Chart of Accounts
  - Company Code
  - Company ID (group accounting)
  - Company Name
  - Company Name and Code
  - Controlling Area
  - Credit Control Area
  - Currency
  - Financial Management Area
  - Fiscal Year Variant
  - New GL Active
- Select ☐ *(Toggle Legend Visibility)* to toggle the legend on or off.
- Select ☐ *(Chart Type)* to select which chart you want to use to visualize the data. In detail, the following options are available:
  - Bar Chart
  - Column Chart
  - Line Chart

- Pie Chart
- Donut Chart
- Heat Map
- Bullet Chart
- Vertical Bullet Chart
- Stacked Bar Chart
- Stacked Column Chart
- 100% Stacked Bar Chart
- 100% Stacked Column Chart
- Waterfall Chart
- Horizontal Waterfall Chart

- Select *(Chart and table)* to select a hybrid chart and table view.
- Select *(Chart)* to select chart-only view.
- Select *(Table)* to select table-only view.

You can export the list of company codes by selecting *(Export to Spreadsheet)*. In the resulting file, you can see the same fields that are currently displayed in the app. If you select **Export As** from the drop-down menu, then you can toggle the following on and off as well:

- Include filter settings
- Split cells with multiple values

Select Transformation Objects

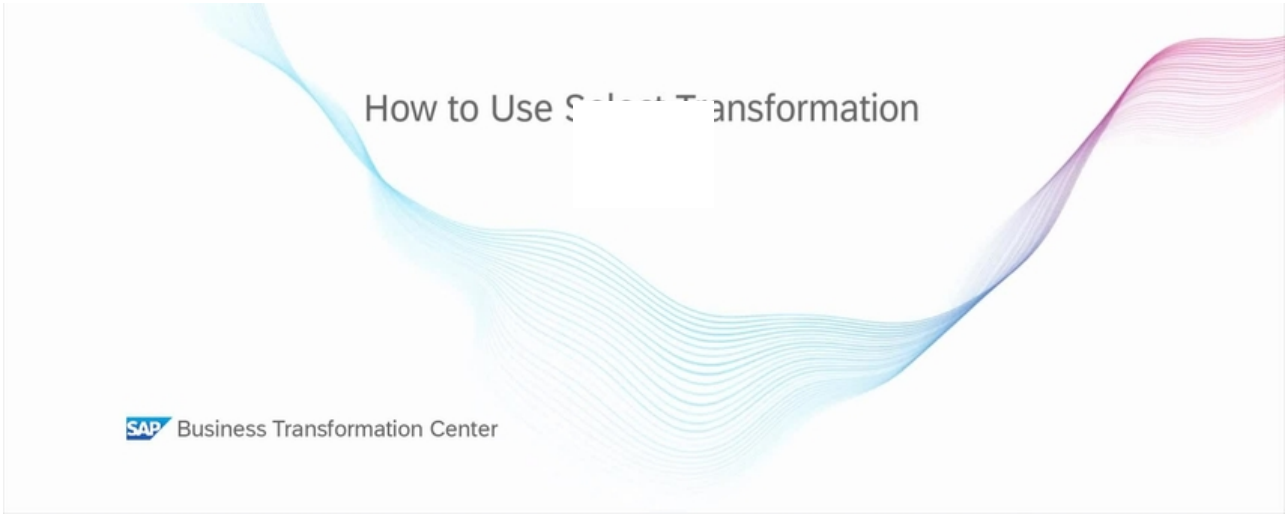
In the **Select Transformation Objects** app, you can select or deselect transformation objects to adjust the scope of your digital blueprint.

It displays multiple chart views and a full list of transformation objects that were imported with the analysis file. The app also provides hints to help you make a decision. In detail, the following options are available:

- View details of any given transformation object
- Edit transformation object scope individually or en masse
- Receive hints based on your current settings

How-To Videos

How to use Select Transformation Objects



Open this video in a new window

Workflow

1. Select the digital blueprint you want to adjust in the **Digital Blueprint** field.
2. Use the chart view and the list of transformation objects to review the current status of your digital blueprint.
3. Use the first row in the list (□) to select one or multiple transformation objects you want to edit, and select **Mass Edit** to adjust the scope and status.
4. Click on any individual transformation object to enter the detail view, where you can check the list of corresponding company codes. You can also select **Edit** to adjust the scope and status of the selected transformation object.

Settings

You have the following options for customizing the view in the app:

- To create views, change filter values and save your view by selecting □ *(Select View)*.

  The column, sort, and group settings as well as any text that has been entered in the search field are saved, too.

  When you select a previously saved view, the saved filter values are accordingly applied.

  You can sort your views and set a default view by selecting **Manage**. An unsaved view is marked with an asterisk next to its name.

- Select **Adapt Filters** to adjust the fields available for filtering.
- Select □ *(Settings)* to customize which fields are displayed in the list of company codes list, or to customize the chart view settings.
- Select □ *(View By)* to select which attribute the chart uses displays the data within the company codes. In detail, the following options are available:
  - Category
  - SAP Application Component
  - Scope
  - Status
  - Transformation Object ID

    - Transformation Object Name

- Select *(Toggle Legend Visibility)* to toggle the legend on or off.
- Select *(Chart Type)* to select which chart you want to use to visualize the data. In detail, the following options are available:
    - Bar Chart
    - Column Chart
    - Line Chart
    - Pie Chart
    - Donut Chart
    - Heat Map
    - Bullet Chart
    - Vertical Bullet Chart
    - Stacked Bar Chart
    - Stacked Column Chart
    - 100% Stacked Bar Chart
    - 100% Stacked Column Chart
    - Waterfall Chart
    - Horizontal Waterfall Chart
- Select *(Chart and table)* to select a hybrid chart and table view.
- Select *(Chart)* to select chart-only view.
- Select *(Table)* to select table-only view.

You can export the list of transformation objects by selecting *(Export to Spreadsheet)*. In the resulting file, you can see the same fields that are currently displayed in the app. If you select **Export As** from the drop-down menu, then you can toggle the following on and off as well:

- Include filter settings
- Split cells with multiple values

Digital Blueprint Overview

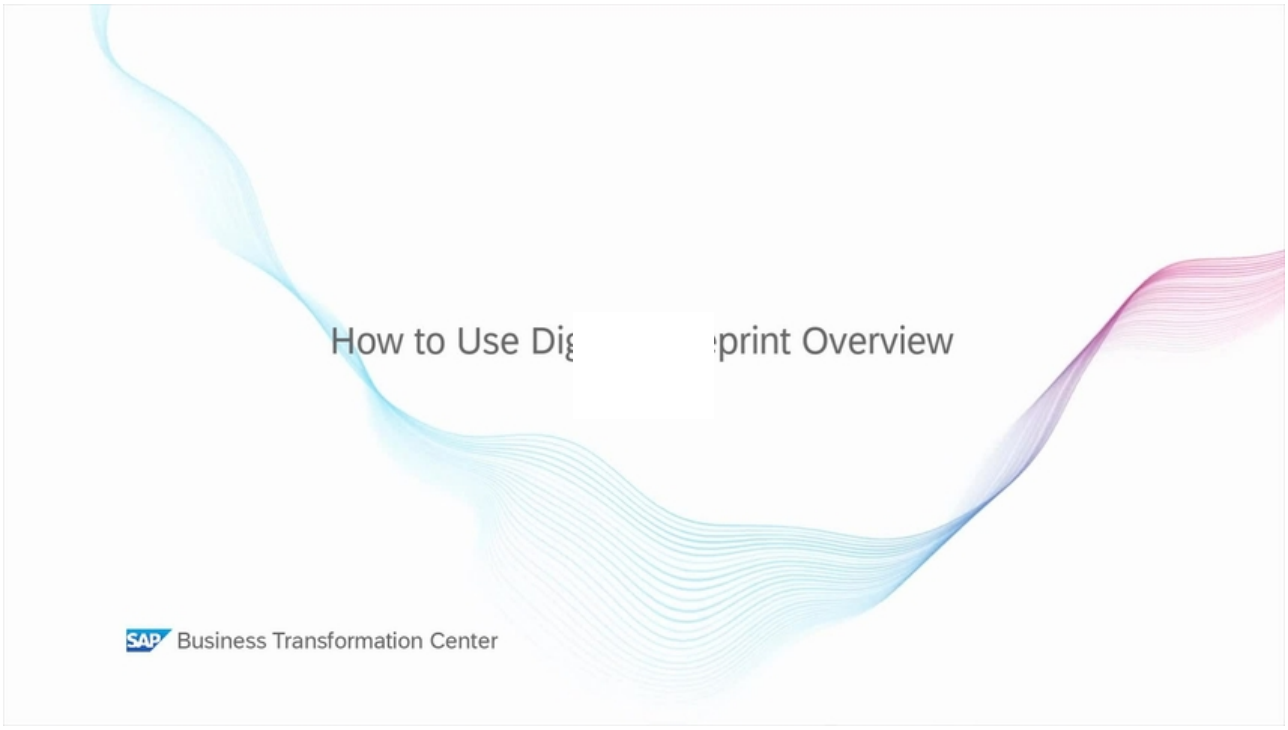
In the **Digital Blueprint Overview** app, you can review the technical and business details of your digital blueprint.

It displays multiple chart views and area-specific dashboards to display the current configuration. The app also allows you to check currently valid hints. In detail, the following options are available:

- Create a new digital blueprint
- View technical and business details about the digital blueprints
- Enter the **Select Company Codes** app, the **Select Transformation Objects** app or the **Select Scanned Tables** app to refine the scoping

How-To Videos

How to use Digital Blueprint Overview



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Workflow

1. Select the digital blupeprint you want to review in the **Blueprint Name** field.
2. Review the selected digital blueprint using the five available dashboards:
    - Company Code Selection
    - Transformation Object Selection
    - Scanned Table Selection
    - System Hints
    - Digital Blueprint Details
    - Digital Blueprint Summary

Settings

Select **Adapt Filters** to adjust the fields available for filtering.

Modeling

Continue your business transformation journey by creating your transformation model and transformation model version.

Key Features:

- Manage your transformation models

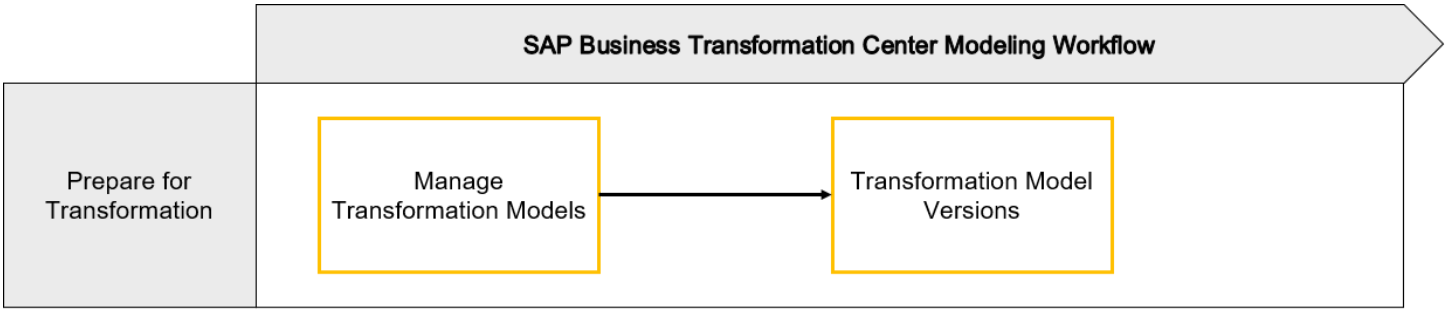
The transformation model holds all transformation objects, their relations, filters, and rules. You can create one based on a confirmed digital blueprint.

- Create transformation model versions

  The transformation model version is a snapshot of the transformation model, and it is used to execute the data transformation.

Overview

This image is interactive. Hover over each area for a description. Click highlighted areas for more information.



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

What's New

Release notes for the Modeling domain of SAP Business Transformation Center .

Manage Transformation Models

In the **Manage Transformation Models** app, you can create and edit transformation models based on a confirmed digital blueprint.

The transformation model holds all transformation objects, their relations, filters, and rules. Its purpose is to describe the totality of the technical definitions and rules for a transformation initiative. This means that there are always extra objects added into the model in addition to what you selected during the scoping phase. These are determined by the following factors:

- Relation

  Scoping relevant objects that are selected in the digital blueprint can have non-scoping relevant related objects, which are always included in the transformation model. Related objects are semantically connected, and relations also exist between non-scoping relevant objects; if one of those objects is in the transformation model, all related objects also appear.

- Grouped

  In some cases, it is not technically possible to create a relation between transformation objects that are otherwise semantically connected, as such objects are grouped together: if one object in the group is included in the transformation model, so are the remaining grouped objects.

- Digital Blueprint

  All standard transformation objects in scope in the confirmed digital blueprint.

- Baseline

  Technical transformation objects that ensure system consistency, included by default in every transformation model

- System Scan

Custom transformation objects are identified via a system scan because the tables are not part of the standard content of SAP Business Transformation Center.

In detail, the following options are available:

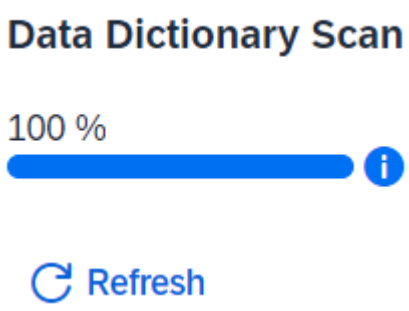
- Create and edit transformation models

  Note

  You can only edit the name of the transformation model. The included transformation filters, rules, transformation objects, and their relations are applied by default at the time of creation, and it is not possible to edit those.

- Display transformation filters
- Display all included transformation objects
- Track data dictionary scan progress

  Our standard content does not cover any transformation object that is identified via a system scan. For such objects, we dynamically determine database dictionary information via a data dictionary scan, which is required to ensure that these items are prepared for the move to SAP S/4HANA. This information is then stored in a data dictionary cache, which must be built before creating a transformation model version:

  This process starts as soon as you confirm your digital blueprint. You can then create the transformation model immediately, but the data dictionary scan must be completed before creating a transformation model version. This can take several minutes for thousands of tables in custom objects, and you can track the status with progress bar above.

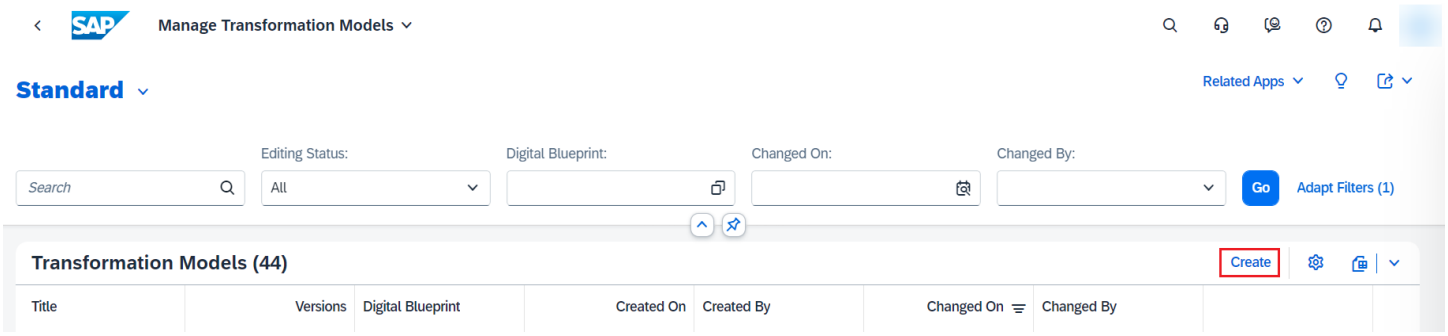
- Create a transformation model version

  A transformation model version is a snapshot of the transformation model, and it is used to execute the actual data migration. For more information, see Transformation Model Versions.

Create and Review a Transformation Model

Create a transformation model to apply all the relations, filters, and rules of the transformation objects taking part in your data transformation project.

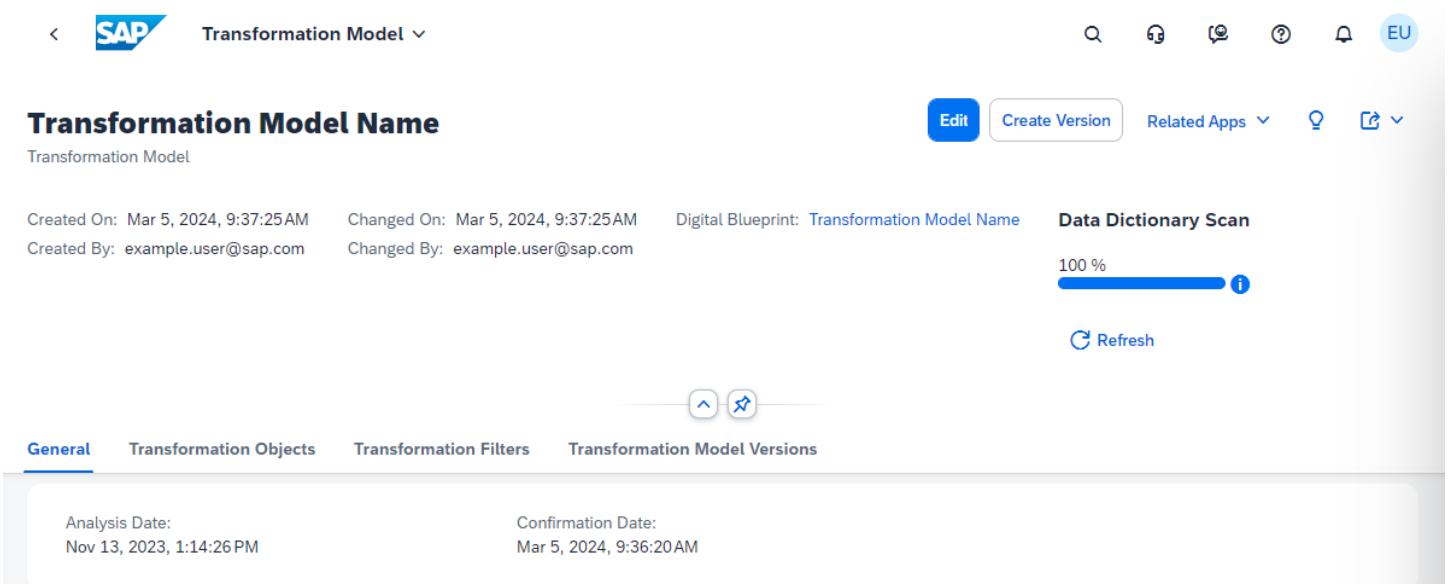
Create a Transformation Model



1. Select **Create** to start a new transformation model.
2. Specify a name, and select the confirmed digital blueprint. Then, save the transformation model.

Review a Transformation Model

After creating a transformation model, select it from the list and review the details grouped in the following tabs:



General

Review the analysis date and the confirmation date of the digital blueprint that you selected as the basis for the transformation model.

Transformation Objects

Here, you can see all transformation objects taking part in the migration project. The content is separated into two categories:

- Standard Objects

  These are transformation objects coming from our standard SAP ECC content.

- Custom Objects

  These are transformation objects coming from the result of a system scan. They can be custom implementations like Z* or Y* tables, but also other objects that are not part of our standard content.

Transformation Filters

Here, you can see all transformation filters that can be applied to a transformation model. In the **Standard Objects** and **Custom Objects** columns, you can review how many transformation objects are assigned to each filter in the selected transformation

model.

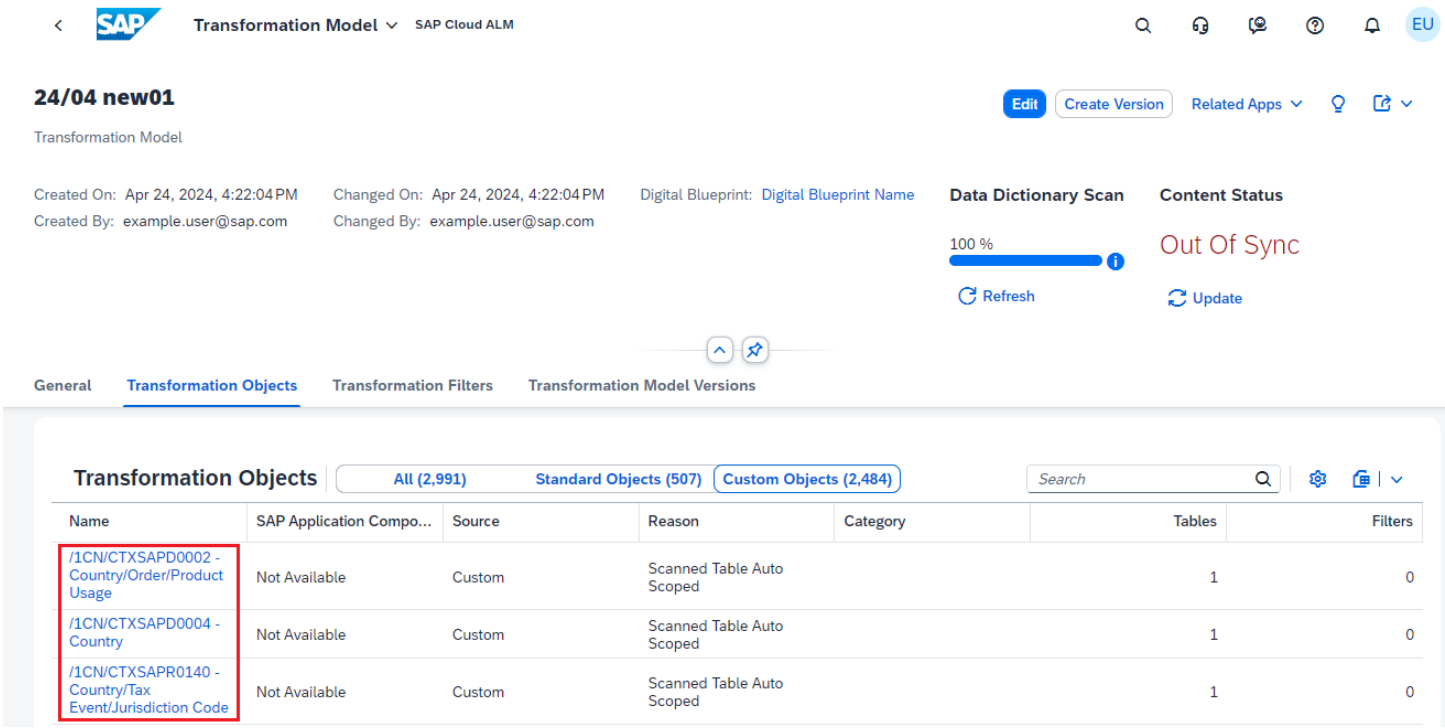
Transformation Model Versions

Here, you can check if a transformation model version is already created for the transformation model. For more information, see Transformation Model Versions.

Custom Transformation Objects

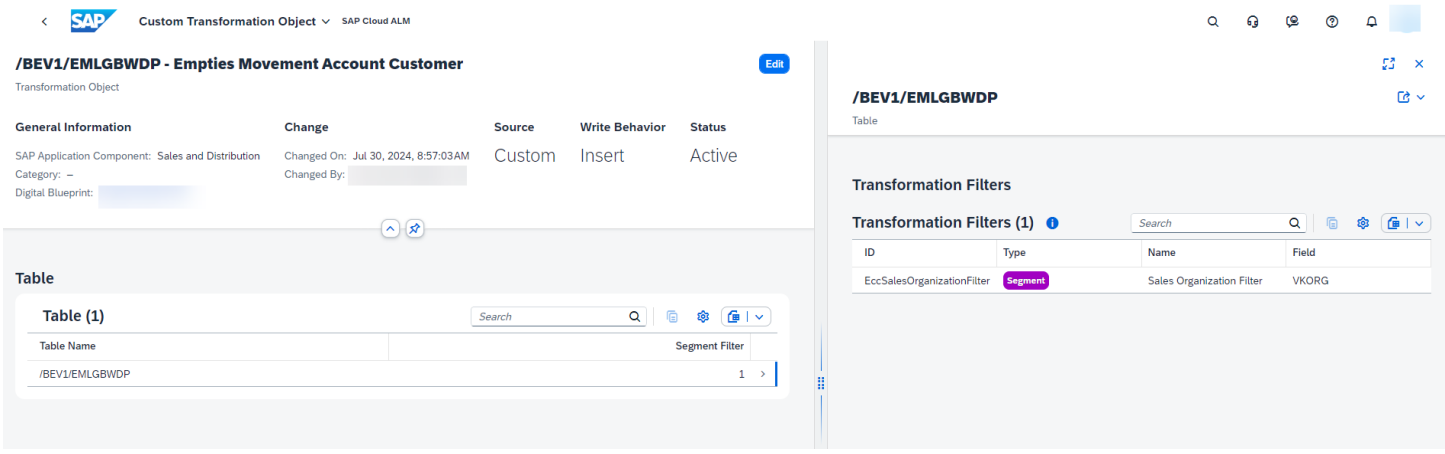
In the **Custom Transformation Objects** app, you can review the details of transformation objects that are not a standard part of the SAP ECC content in SAP Business Transformation Center .

You can navigate to this page from the **Manage Transformation Models** app, by selecting any of the custom objects from the **Transformation Objects** tab:



Review Custom Transformation Object Details

After navigating here from the **Manage Transformation Models** app, you can review the following details:



- **General Information**: Here you can see the name of the digital blueprint the transformation model was created from. The SAP application component and the category are by default blank for custom transformation objects.
- **Change**: Here you can see when the custom transformation object was last changed and by whom.
- **Source**: Here, you can check whether a transformation object is part of the standard SAP ECC content or if it is coming from a custom implementation.

  Standard transformation objects cover the standard SAP ECC content. A custom transformation object is used for custom tables, which are not covered by our standard content. A custom table can be an SAP standard table, a customer-specific table, or a third-party one.
- **Write Behavior**: Here you can see what type of write behavior was selected for this custom transformation object. There are three types of write behaviors:
  - Insert: Select this option to add new records to the previously migrated transformation object. If a record with the same primary key already exists, then the migration fails with an error and no data is inserted.
  - Overwrite: This write behavior updates an already existing transformation object record in the SAP S/4HANA target table and it also inserts any new records. This method ensures that all selected data records are transferred, because existing data records with the same primary keys are updated with new data.
  - Accept Duplicates: This options adds new records to the SAP S/4HANA target table, while ignoring any records with duplicate primary keys. This method inserts only unique records, without affecting existing data.
- **Status**: Review the scoping decision for this custom transformation object. You have two options:
  - Active: The object is in scope, and it is included when you create the transformation model version.
  - Inactive: The object is out of scope, and it is excluded from the transformation model version.

Main Table View

Here you can review the following details about the database tables included in the custom transformation object:

- **Table Name**: The technical name of the database table.
- **Segment Filter**: The number of segment filters assigned to a specific table.

  A segment filter affects a specific table and any existing child tables in the hierarchy. Consequently, this filter never checks any potential parent tables.

Detail Table View

You can select the *(Navigate Right)* at the right end of each table row to navigate to the split-view for transformation filter details about the corresponding table. Once there, you can review the following details:

- **ID**: The unique technical ID of the transformation filter.
- **Type**: There are two types of filters in the system:.
  - A segment filter affects a specific table and any existing child tables in the hierarchy. Consequently, this filter never checks any potential parent tables.
  - The instance filter affects all tables in the table hierarchy of a transformation object. An instance filter is never used on root level, since it checks both up and down the hierarchy thereby making it slower when it is already at the top level.

    > **Note**
    >
    > It is possible to combine filters, so one object may have both an instance and a segment filter.
- **Name**: A short explanatory title describing the filter.

- **Field**: Tthe table fields to which a transformation filter is assigned.

Transformation Model Versions

In the **Transformation Model Versions** app, you can create and review transformation model versions.

The transformation model version is a snapshot of the transformation model, and it is used to execute the actual data transformation. It contains the same transformation objects, their relations, filters, and rules, as the corresponding transformation model at the time when you create the version. It can only be created after a successful data dictionary scan; until then, the creation is blocked.

In detail, the following options are available:

- Create and review transformation model versions

Create a Transformation Model Version

To execute the data transformation, you have to create a transformation model version based on a transformation model.

Create a Transformation Model Version

1. Select **Create** to generate a new transformation model version.

   ! Restriction

   A successful data dictionary scan must be completed before you can create the transformation model version:

2. Specify a name, and select the transformation model. Then, save the transformation model version.

If the data dictionary scan has failed, follow the steps below:

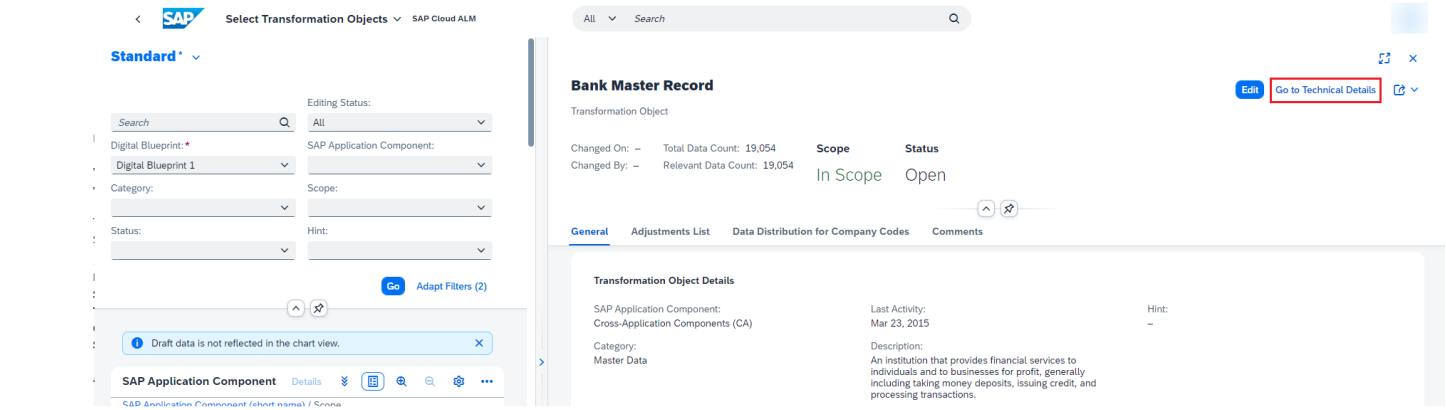
1. Copy the digital blueprint based on which you created your transformation model in the **Manage Digital Blueprints** app.
2. Confirm the copied digital blueprint you just created. This triggers a new data dictionary scan.
3. Create a new transformation model based on the newly created digital blueprint. Monitor the progress of the data dictionary scan and create the transformation model version once it is completed successfully.

Transformation Object Details

In the **Transformation Object Details** app, you can review the structure of the standard SAP ECC content in SAP Business Transformation Center .

You can navigate to this page in the following ways:

- From the **Select Transformation Objects** app, by selecting **Go to Technical Details** in the detail view:



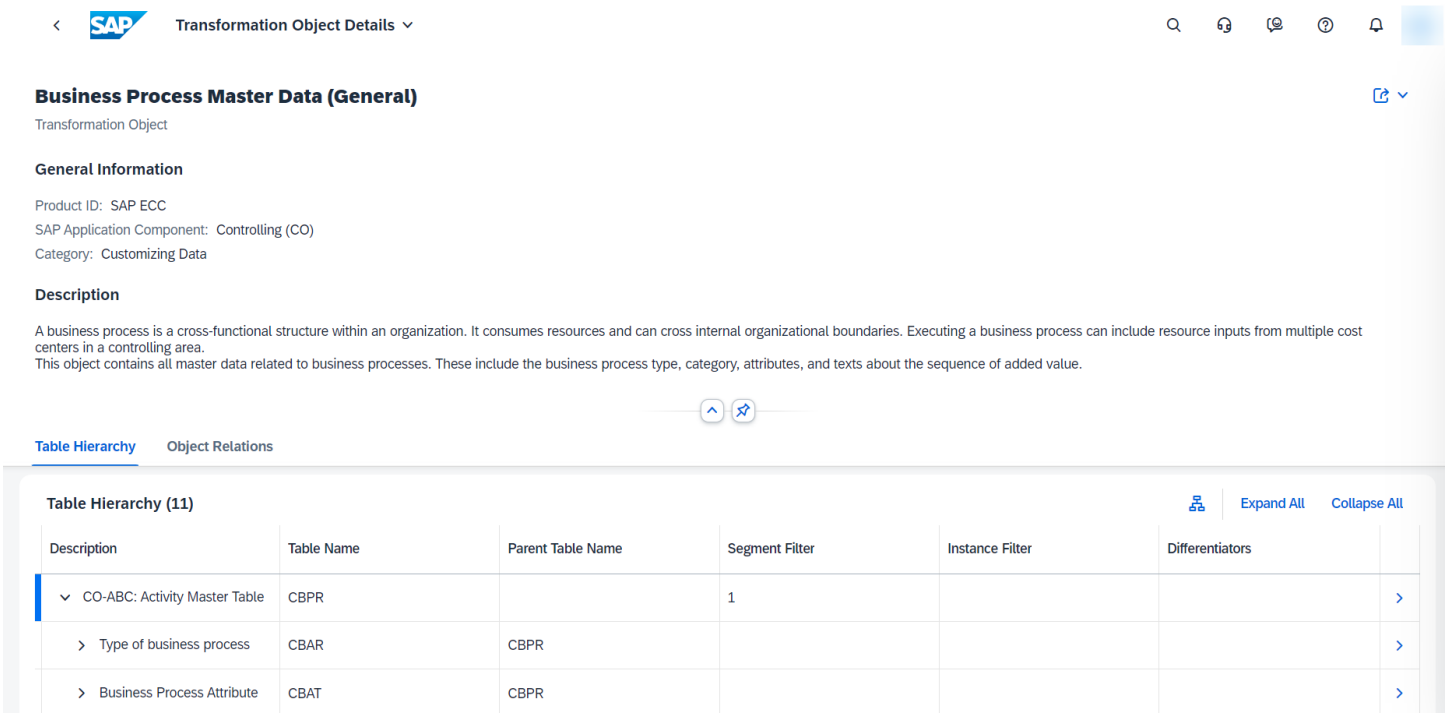
- From the Transformation Filter Content app, by selecting the name of any transformation object.

In detail, the following options are possible:

- Review the table hierarchy, filter assignments, and differentiators assigned to the selected transformation object.
- Review the related transformation objects.
- From the detal view, navigate to the Transformation Filter Content app.

Review Transformation Object Details

After navigating here from the Select Transformation Objects app, you can review the following details in the Table Hierarchy tab:



The blue marker in the top row indicates the root level in the table structure of the transformation object.

Description

This is a short explanatory text describing the table in the selected transformation object.

Table Name

The technical name of the database table.

Parent Table Name

Here, you can review the hierarchy between the tables; namely, the parent table in the data structure.

Segment Filter

The number of segment filters assigned to a specific table.

A segment filter affects a specific table and any existing child tables in the hierarchy. Consequently, this filter never checks any potential parent tables.

Instance Filter

The number of instance filters assigned to a specific table.

The instance filter affects all tables in the table hierarchy of a transformation object. An instance filter is never used on root level, since it checks both up and down the hierarchy thereby making it slower when it is already at the top level.

Differentiators

The number of differentiators assigned to a specific table.

A differentiator is used in tables that are shared across multiple transformation objects. Within such tables, we need to distinguish between individual records in order to maintain a clean separation between objects. We use differentiators to define certain values within the impacted tables that govern how the records are distributed.

Detail View

You can select the *(Navigate Right)* at the right end of each table row to view transformation filter and differentiator details about the corresponding table. Once there in the **Transformation Filters** tab, a link in the **ID** field takes you to the **Transformation Filter Content** app for even more details.

In the **Differentiator** tab, you can find the exact field and value that control which records are contained in the selected transformation object.

Transformation Filter Content

In the **Transformation Filter Content** app, you can review the filter assignments in the standard SAP ECC content.

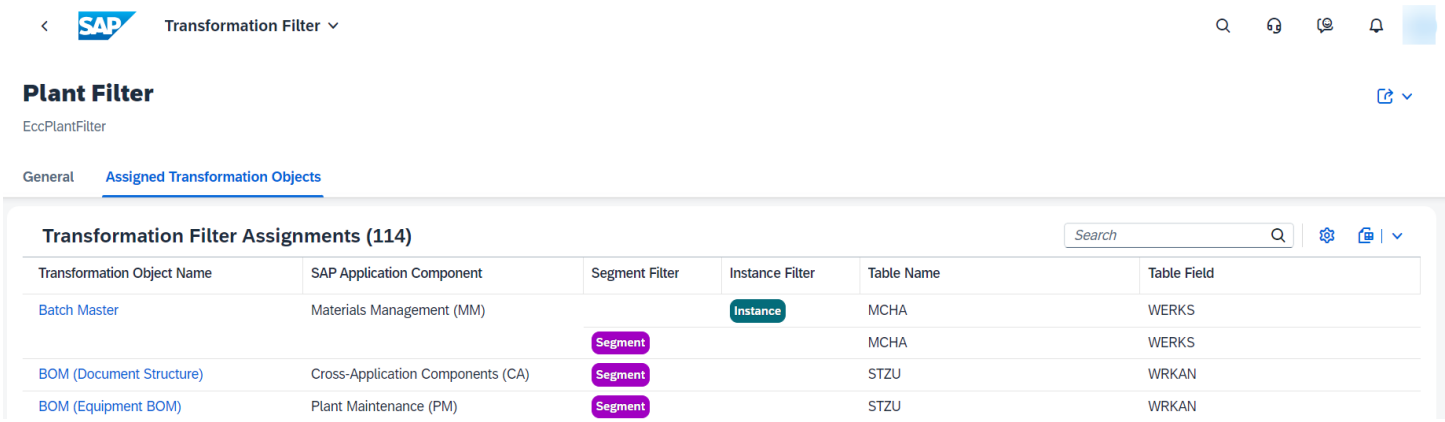
A transformation filter is specified for a table field, a domain or a data element and can be assigned to any number of transformation objects. Each assigned transformation filter is considered during data selection. A transformation filter is always restrictive; if multiple filters are assigned to a single transformation object, all of them are considered.

Here, non-scoping relevant transformation objects are also listed. Non-scoping relevant objects are migrated by default, as they are essential for system stability. Therefore, these do not take part in the scoping of a data transformation project.

> ⚠ **Caution**
> This application displays the data as it is in the standard content of SAP Business Transformation Center. It does not contain information about your specific transformation model or transformation model version.

Review the Transformation Filters

After selecting a specific filter in the Transformation Object Details app, you can review the following information in the Assigned Transformation Objects tab:



Transformation Object Name

A short label explaining the transformation object to which the selected filter is applied. You can select any object to navigate to the Transformation Object Details app.

SAP Application Component

A business domain based functional categorization in SAP which is determined for each transformation object in our standard content.

Segment Filter

A segment filter affects a specific table and any existing child tables in the hierarchy. Consequently, this filter never checks any potential parent tables.

Instance Filter

The instance filter affects all tables in the table hierarchy of a transformation object. An instance filter is never used on the root level within a transformation object, since it checks both up and down the hierarchy thereby making it slower when it is already at the top level.

Table Name

Review the table to which a transformation object is assigned.

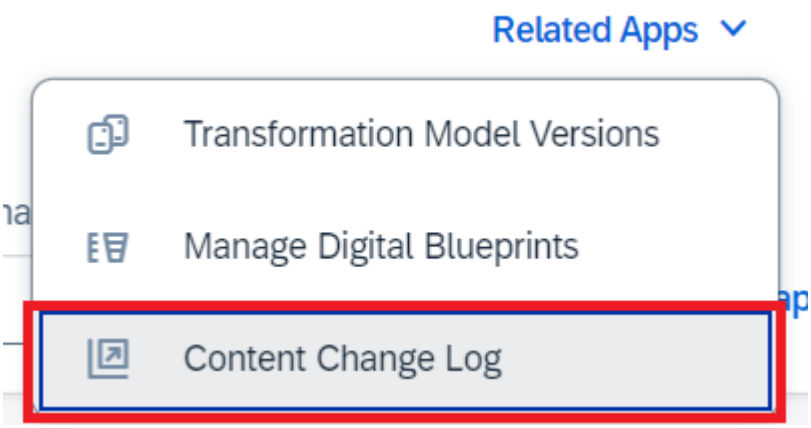
Field Name

Review the field to which a transformation object is assigned.

Content Change Log

In the Content Change Log app, you can review the updates introduced in each content version shipped with SAP Business Transformation Center.

You can navigate to this page from the Related Apps context menu item in the Manage Transformation Models and Transformation Model Versions apps:

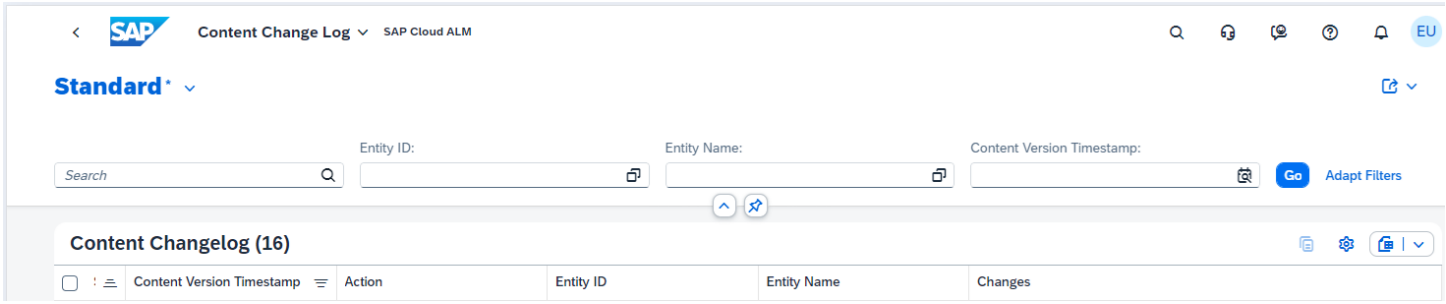


In details, the following options are possible:

- Review the changes in each content version

Review Content Change Log

You can review the following details in this app:



Content Version Timestamp

The exact date and time when the corresponding content version was shipped.

Action

A short description of the type of modification that was made. Possible values are as follows:

- Added
- Modified
- Deleted

Entity ID

The technical name of affected entity.

Entity Name

You can follow the link from this column to view more information about any of the updated entities.

Changes

A short description of what changed in the content.

Cycle and Monitoring

Execute your data transformation according to the previously defined scope, rules, and definitions.

Key Features:

- Manage the transformation cycles

  Create and edit the cycles you want to run for your data transformation project.

- Run your cycles

  Your data is migrated from your SAP ECC source system into temporary tables in the targetSAP S/4HANA system. The temporary table structure is identical to that of the source system.

- Finalize the data transformation by postprocessing the participating tables

  In this step, the data is transformed and moved into the final structure in the SAP S/4HANA target system.

- View cycle logs

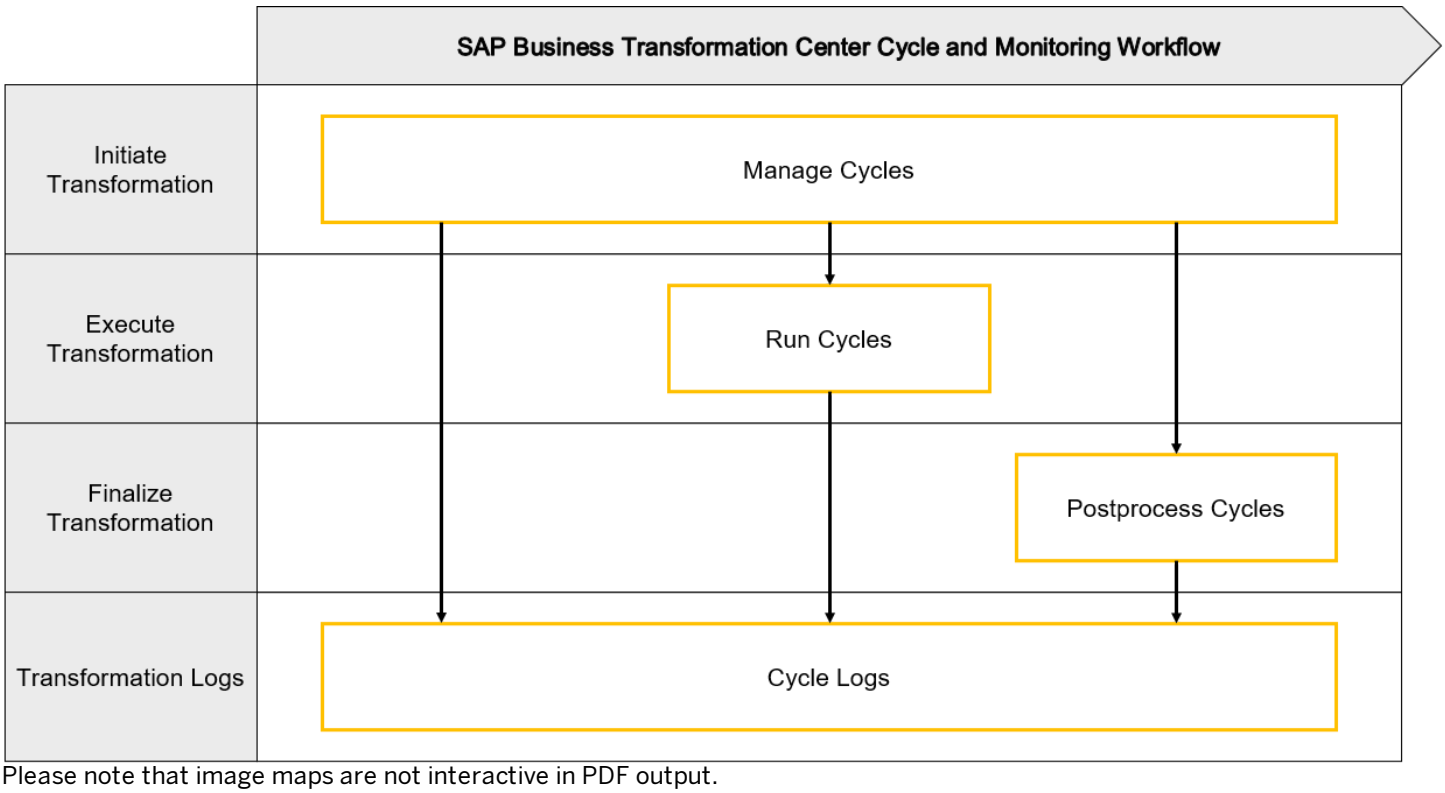
  In the **Cycle Logs** app, you can view events for a given cycle. It allows you to reenact the overall process and view detailed messages in case of errors.

ℹ Note

The maximum number of active cycles is 3. The active cycles are those in the status **Running with Error** (test cycles) or **Initialize**, **Running** (all cycles).

Overview

This image is interactive. Hover over each area for a description. Click highlighted areas for more information.



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

What's New

Manage Cycles

The **Manage Cycles** app allows you to create, edit, and manage cycles based on a transformation model version.

A cycle is the actual data transformation that takes place between the source SAP ECC system and the target SAP S/4HANA system. It contains information from the corresponding transformation model version about transformation objects, their relations, filters, and rules. A cycle has four phases:

- Prevalidation
- Preparation
- Transformation
- Postprocessing

Cycle Types

There are three different types of cycles:

- Test Cycle

  Test cycles are intended for iterative improvements of the transformation settings. They provide the most flexibility. If errors occur in a test cycle, it is still possible to proceed. Such a case results in inconsistent data in the target system, which may be acceptable when testing other parts of the transformation.

- Dress-Rehearsal Cycle

  Dress-Rehearsal cycles are intended to practice the productive cutover. When performing a Dress-Rehearsal, all relevant parameters such as the target machine must be close or equal to what is planned for the cutover. A Dress-Rehearsal cycle is restrictive in its status management to ensure that the data in the target system is as consistent as it is in the source system. Errors in such a cycle block all further steps, and therefore cause the process to halt.

- Go Live Cycle

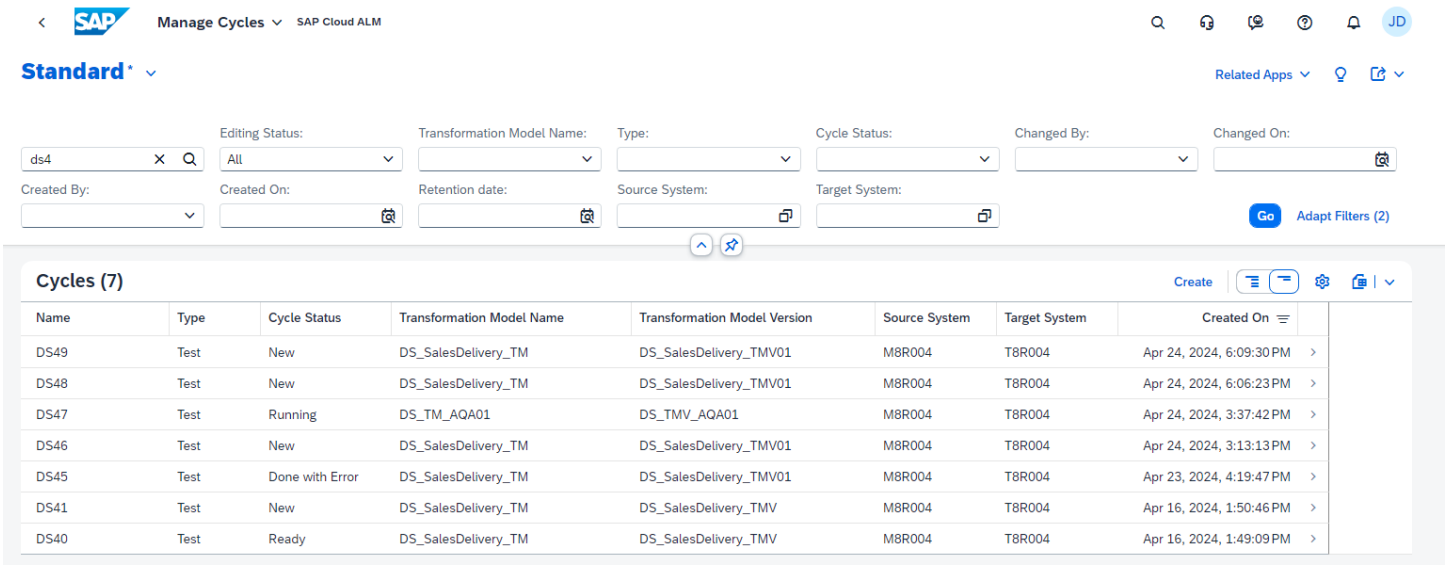
  Go Live cycles are intended to perform the productive cutover. A Go Live cycle is restrictive in its status management to ensure that the data in the target system is as consistent as it is in the source system. Errors in such a cycle block all further steps, and therefore cause the process to halt.

App Views

The **Manage Cycles** app contains 2 views:

Main view

The following figure shows the main default view in the **Manage Cycles** app. This view displays the list of all cycles.



The **Name** column displays the name of the cycle.

The **Type** column displays the type of the cycle.

The **Cycle Status** column has the aggregated status across all the cycle phases (prevalidation, preparation, transformation, postprocessing).

The **Transformation Model Name** column shows the collection holding all transformation objects, mappings, filter, rules, and their relations. Its purpose is to describe the totality of the technical definitions and rules for a transformation initiative. This model is then used later to be passed to the backend during the cycles of the execution.

The **Transformation Model Version** column displays the name of the transformation model that the cycle is based on, and after the comma, the name of the corresponding transformation model version. To learn more about these see Manage Transformation Models.

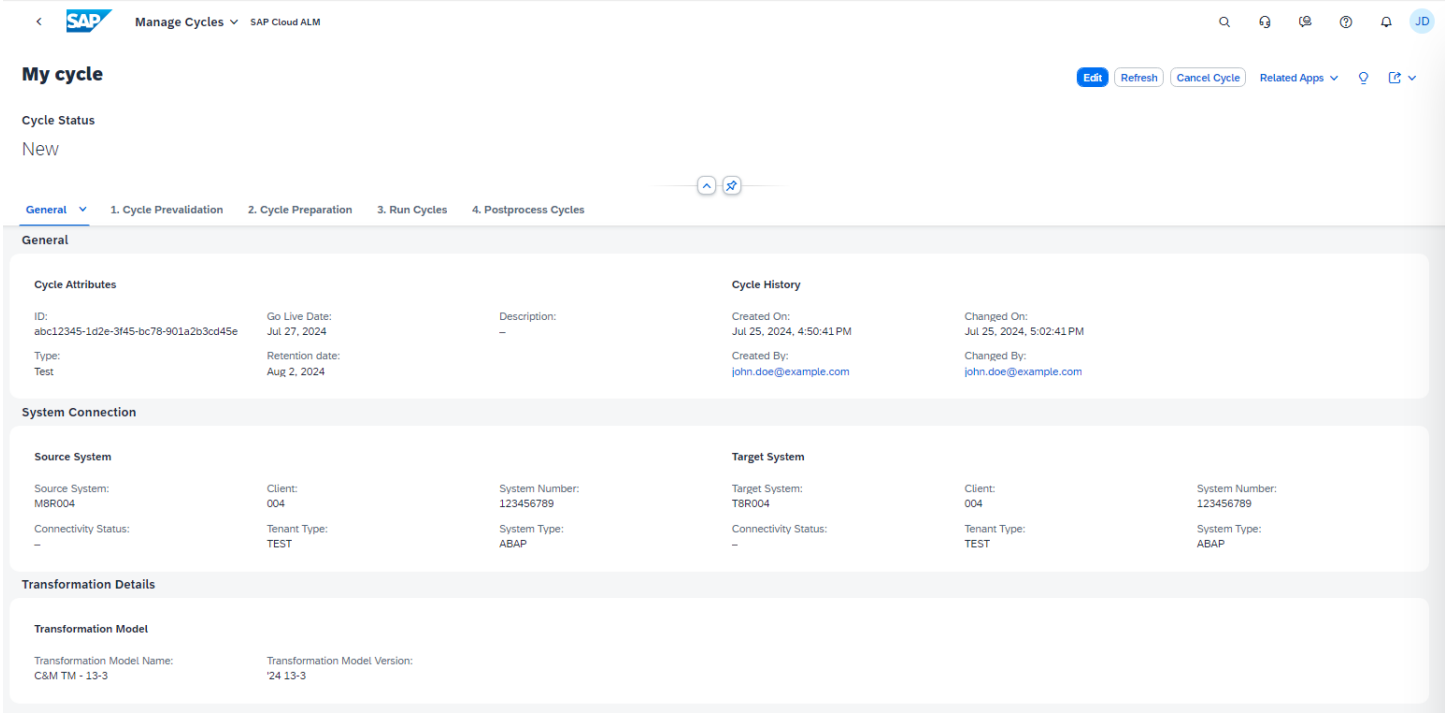
The **Source System** column shows the source system ID.

The **Target System** column shows the target system ID.

The **Changed On** column displays the date and time of the last change in the cycle.

Detail view

The detail view opens when you select one of the cycles in the main view.



In the header, the general information is displayed: the cycle name and the status.

Cycle Status shows the aggregated status across all the cycle phases: prevalidation, preparation, transformation, postprocessing. The following statuses are possible:

- **New**: The cycle has been successfully created. Prevalidation is ready, running or finished. See cycle status details in the **Cycle Prevalidation** tab.
- **Initialize**: System preparation is running.
- **Blocked**: Errors occurred during cycle preparation. Transformation is blocked.
- **Ready**: The cycle is ready for transformation.
- **Ready with Error**: The cycle is ready for transformation but errors occurred during preparation (only for the Test cycle type).
- **In progress**: Either transformation is running, or postprocessing is ready or running.
- **In progress with Error**: Either transformation is running, or postprocessing is ready or running. Errors occurred (only for the Test cycle type).
- **Done**: Transformation and postprocessing have been completed.
- **Done with Error**: Transformation and postprocessing have been completed but contain errors (only for the Test cycle type).
- **Error**: Errors occurred when performing transformation or postprocessing.
- **Canceling**: Canceling the cycle.
- **Canceled**: The cycle is canceled.

The main controls in the cycle detail view are:

- **Edit**: Select this button to edit the cycle. Read Editing a Cycle to learn more.
- **Refresh**: Select this button to update the information displayed in the detailed view.
- **Cancel Cycle**: Select this button to cancel the cycle. Read Canceling a Cycle to learn more.

- **Related Apps**: Expand this dropdown menu to switch to the related apps.

The detail view consists of five different tabs:

- General
- Cycle Prevalidation
- Cycle Preparation
- Run Cycles
- Postprocess Cycles

Creating a Cycle

To create a cycle, you must fulfil the connection requirements and follow the instructions below.

Before creating a cycle you must have system connection for the source SAP ECC system and the target SAP S/4HANA system in SAP Cloud ALM. To add a new system connection in SAP Cloud ALM, follow the instructions in Connect an ABAP System to SAP Cloud ALM and in SAP Note 3075880.

To create a cycle:

1. Open the main view of the **Manage Cycles** app.
2. Select **Create** to start the new cycle.
3. Enter or select the following cycle attributes:
    - **Name** (required)

      The cycle name shall be unique.
    - **Type** (required)

      Select the cycle type matching your specific goal:
        - Test cycles are intended for iterative improvements of the transformation settings.
        - Dress rehearsal cycles are intended to practice the productive cutover.
        - Go live cycles are intended to perform the productive cutover.
    - **Go Live Date** (required for **Go Live** cycle type).

      The go live date is the date of the productive cutover. Select the go live date before the retention date.
    - **Retention date** (required)

      The retention date is the date when the cycle is discarded.

      > ⚠ **Caution**
      > Select the retention date carefully. You will be not able to work with the cycle after retention date is expired.

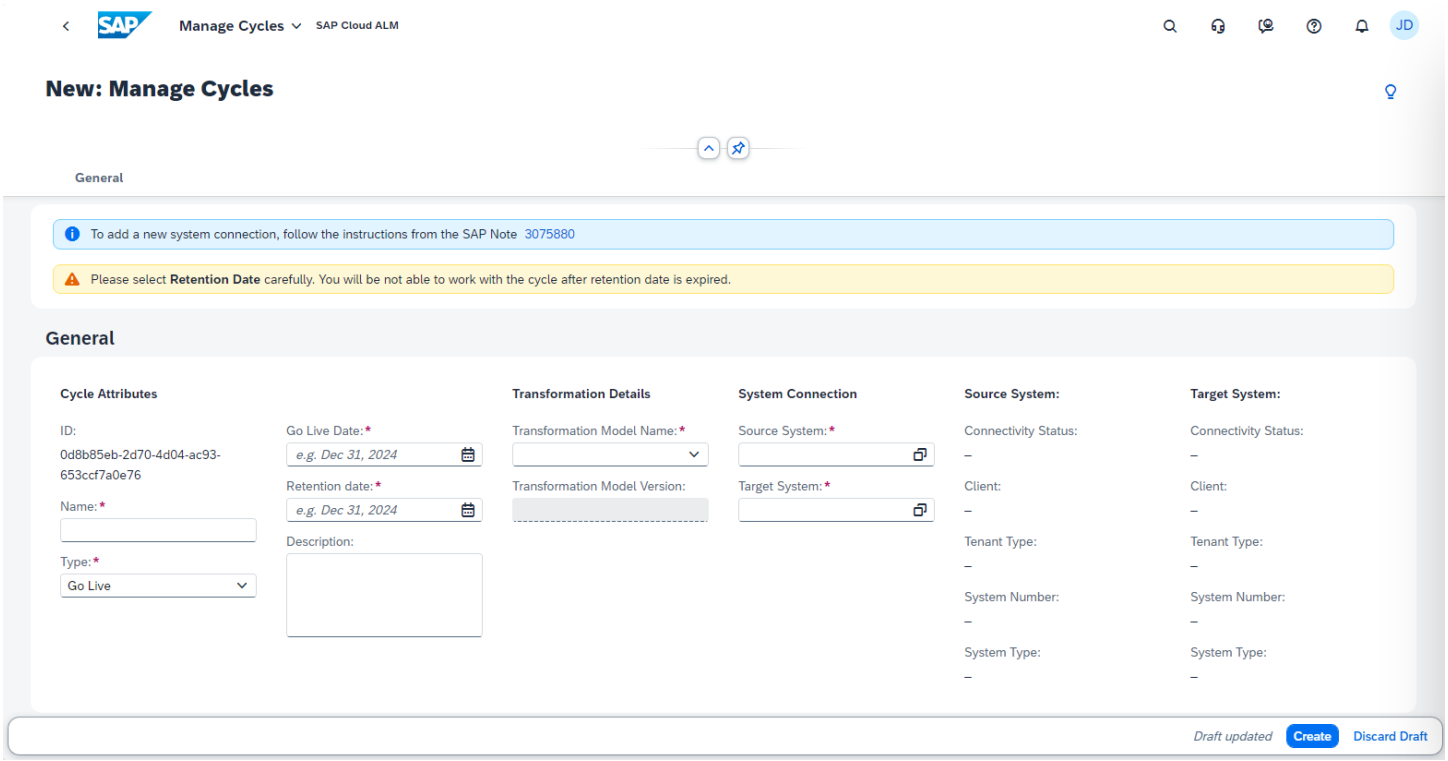
    - **Description** (optional)
4. Select the following transformation details:
    - **Transformation Model Name** (required)

- Transformation Model Version (required)

5. Select or enter the following system connection parameters:
   - Source System (required)
   - Target System (required)
6. Select Create to save the cycle.

⚠ Caution

Double check the chosen cycle type, transformation model and version. After creating the cycle, you cannot edit them.



Editing a Cycle

After creating a cycle, you can edit it.

In the status New you can edit the following attributes:

- Name
- Go Live Date
- Retention Date
- Description
- Source System
- Target System

In other statuses you can edit: Name, Description.

⚠ Caution

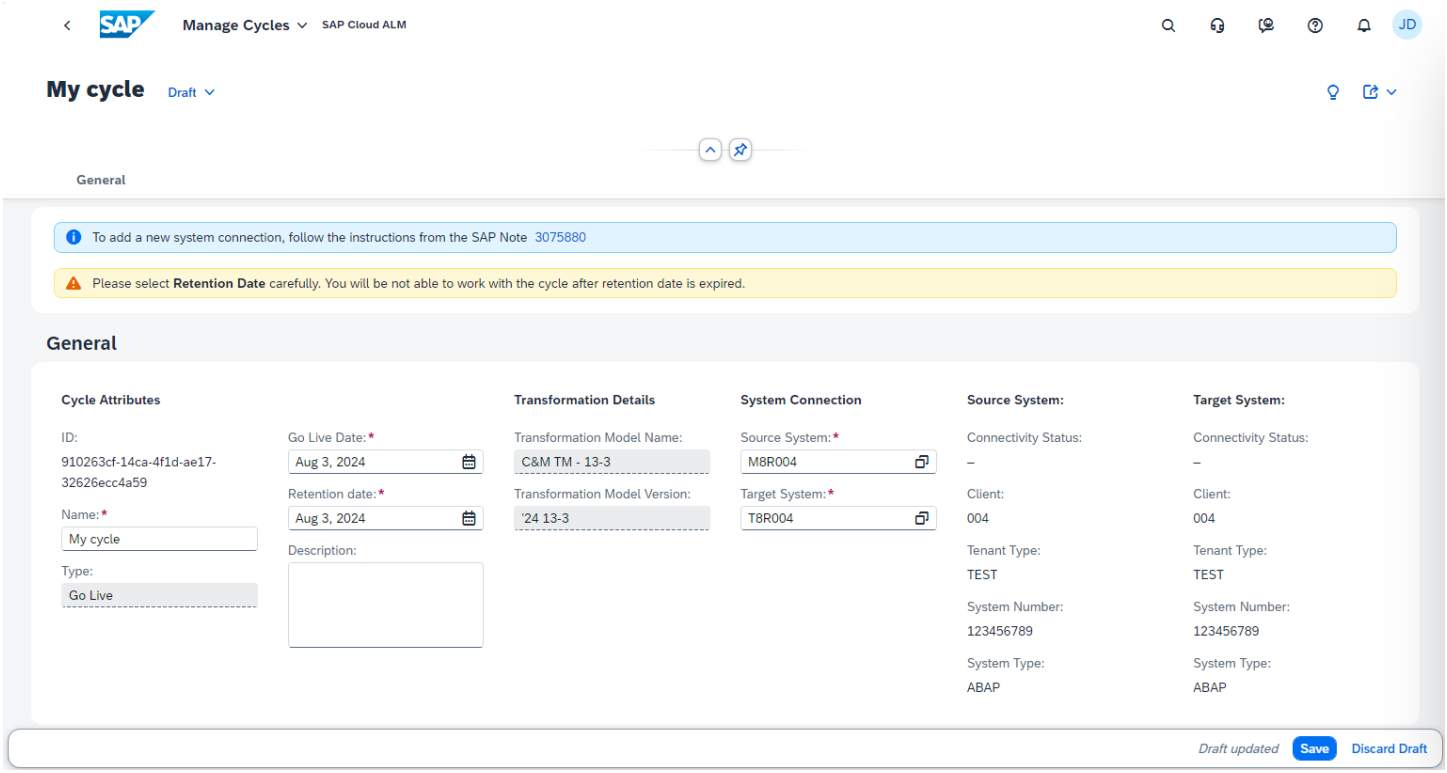
Select the retention date carefully. You will be not able to work with the cycle after the retention date is expired.

ℹ Note

The included transformation objects, their relations, filters, and rules, are applied from the corresponding transformation model version at the time of creation. It is not possible to edit them.

To edit a cycle:

1. Open the detail view of the cycle.
2. Select **Edit**.
3. Update the required attributes.
4. Select **Save**.



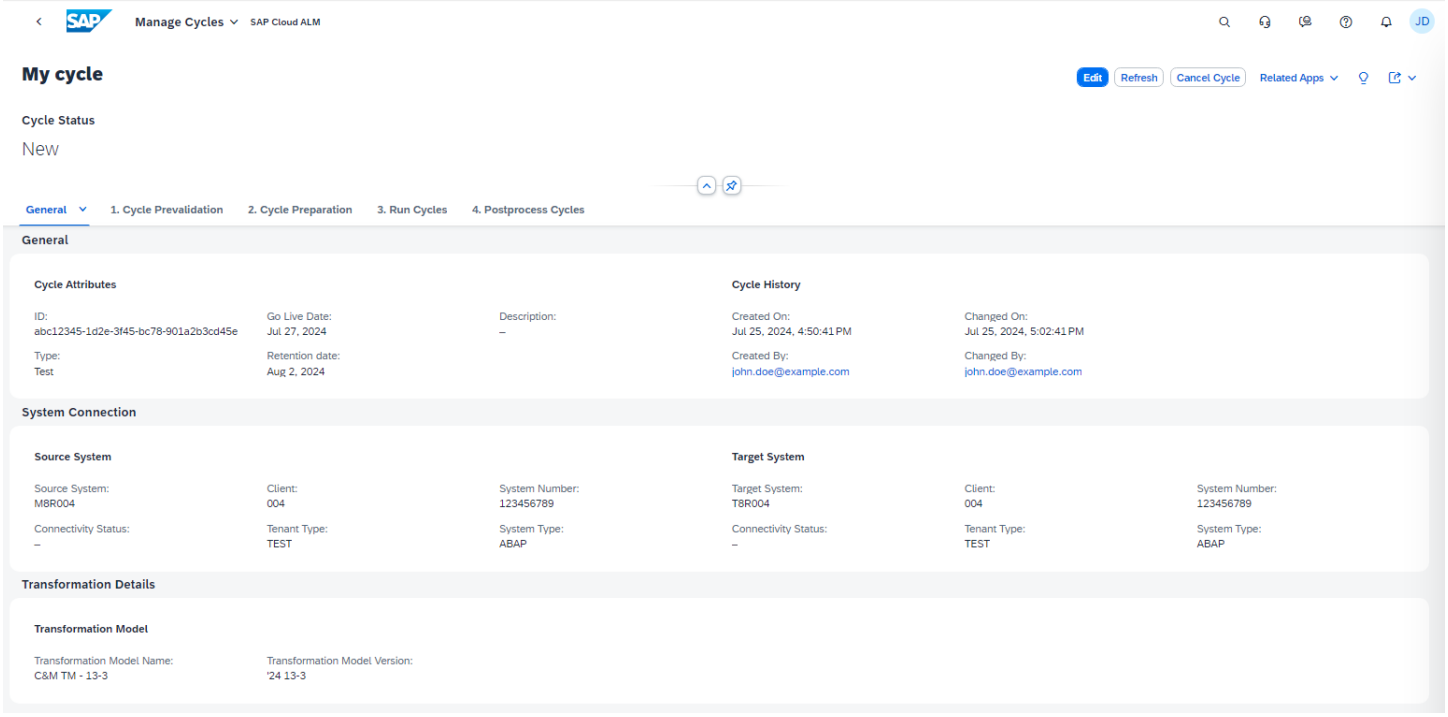
Managing a Cycle

After creating a cycle, you can manage it in the cycle detail view.

The detail view consists of five different tabs as described below.

General

In this tab, you will find general information about the cycle.



The tab shows information on the cycle arranged in 3 sections:

- General
- System Connection
- Transformation Details

General

The General section has 2 sub-sections:

- **Cycle Attributes**
- **Cycle History**

The Cycle Attributes sub-section displays general cycle attributes:

- ID
- Type
- Go Live Date
- Retention Date
- Description

The Cycle History sub-section provides information on when and by whom the cycle was created and last modified.

System Connection

The System Connection section has 2 sub-sections:

- Source System
- Target System

The Source System sub-section displays the following attributes of the source system connection:

- Source System
- Connectivity Status
- Client
- Tenant Type
- System Number
- System Type

The Target System sub-section displays the following attributes of the target system connection:

- Target System
- Connectivity Status
- Client
- Tenant Type
- System Number
- System Type

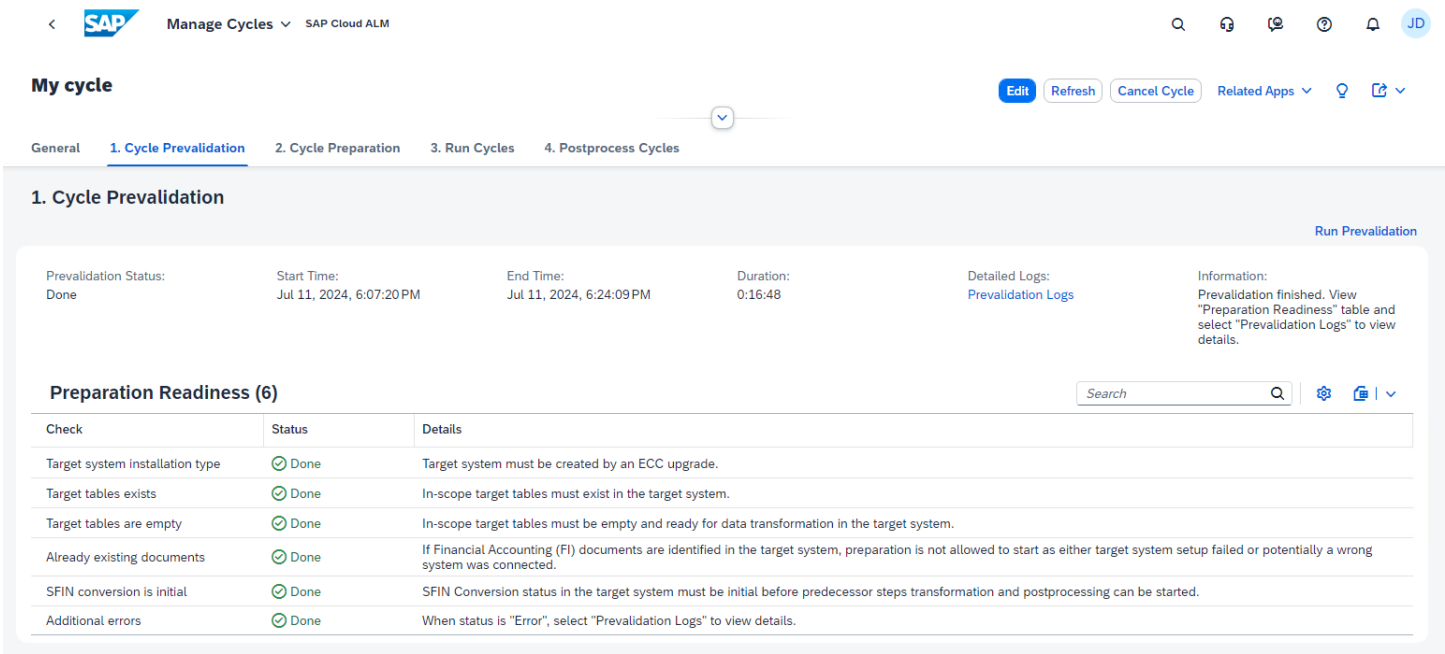
Transformation Details

The Transformation Details section displays the following attributes of the transformation model:

- Transformation Model Name
- Transformation Model Version

Cycle Prevalidation

This tab displays information about the cycle prevalidation phase. During this phase, additional SDT-specific checks, not covered by the HANA readiness check, are performed.



There are two main controls here:

Run Prevalidation: Cycle prevalidation includes required checks to verify that the cycle is ready for the preparation phase. This process involves a detailed analysis of the target system to identify potential issues.

Prevalidation Logs: Select **Prevalidation Logs** to view prevalidation details in the **Cycle Logs** app.

Prevalidation Status displays the status of the most recently executed checks:

- **New**: No checks have been performed yet.
- **Blocked**: Prevalidation initiated by the user.
- **Ready**: Prevalidation is marked as ready.
- **Queued**: Prevalidation is scheduled and pending.
- **Running**: Prevalidation is in progress.
- **Done**: Prevalidation completed successfully. Proceed to the **Cycle Preparation** phase.
- **Error**: Prevalidation finished, but encountered a situation that indicates the participating systems are not ready for transformation. Select **Prevalidation Logs** to view details.
- **Canceling**: Canceling the cycle.
- **Canceled**: Cycle is canceled.

The **Information** attribute provides details about the current status of cycle prevalidation.

Start Time: Cycle prevalidation **Start Time** displays the start date and time of the last prevalidation run initiated by clicking the **Run Prevalidation** button.

End Time: Cycle prevalidation **End Time** displays the end date and time of the last prevalidation run initiated by clicking the **Run Prevalidation** button.

Duration: Cycle prevalidation **Duration** displays the duration of only the last prevalidation run initiated by clicking the **Run Prevalidation** button.

The **Preparation Readiness** table contains the following columns:

- **Check**
- **Status**
- **Details**

The **Check** column lists the names of the checks performed as a part of the prevalidation process to confirm that the cycle is ready for the preparation phase.

The **Status** column shows the check status for the preparation readiness. The possible values are:

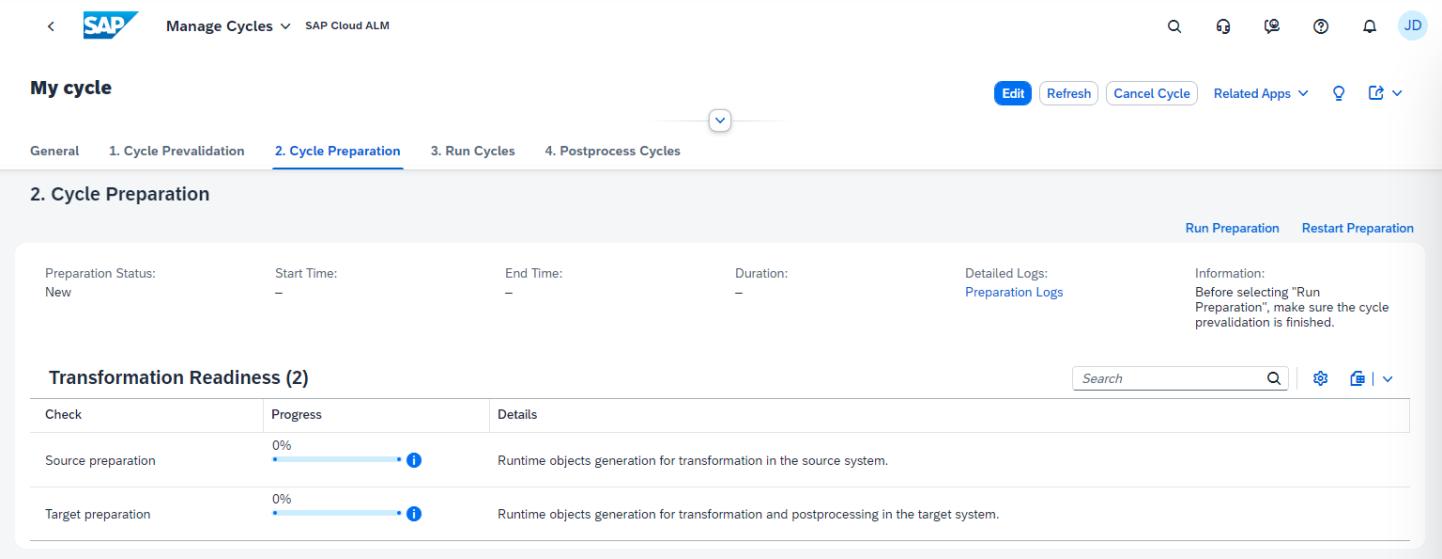
- **Initial**: This is displayed for a new cycle or right after starting prevalidation.
- **Warning**: This is displayed to warn about the possible issues. Select **Prevalidation Logs** to view details. You can select **Run Prevalidation** again or proceed to the preparation step.
- **Error**: This is displayed if errors are found upon completion of the cycle prevalidation run. **Error** doesn't allow to proceed to the preparation phase. Select **Prevalidation Logs** to view details. You can select **Run Prevalidation** again.

- Done: This is displayed upon successful completion of the cycle prevalidation run. You can proceed to the preparation step.

The Details column gives general information on the entire check.

Cycle Preparation

This tab displays information about the cycle preparation phase. During this phase, runtime objects required for the transformation and postprocessing are generated in both the source and target systems.

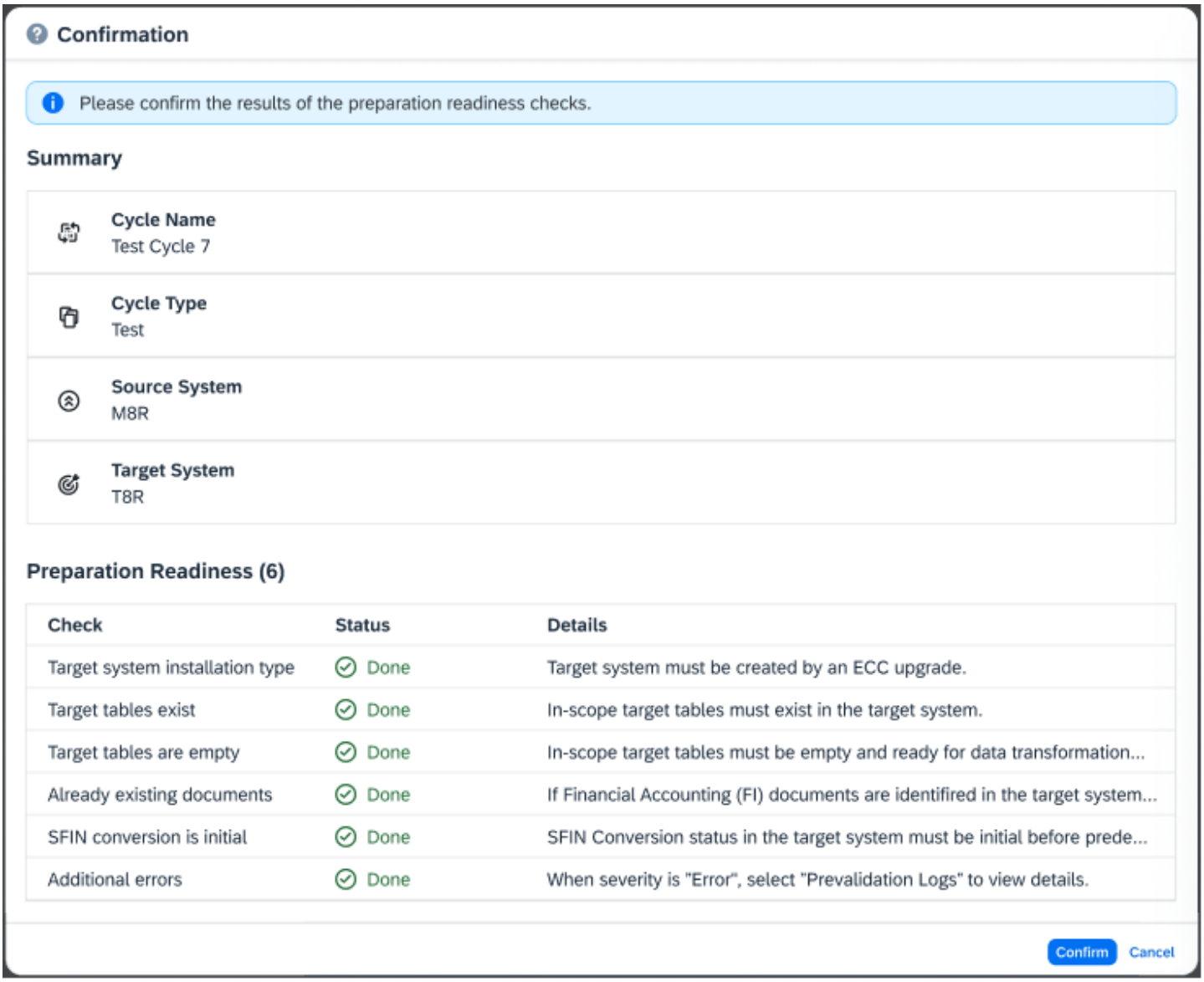


There are three main controls here:

Run Preparation: Run Preparation is only available if the cycle prevalidation status is Done or Error (only test cycles), and the cycle preparation status is New. For more information about the cycle prevalidation phase, refer to the Cycle Prevalidation section on this page.

After selecting Run Preparation, the Confirmation popup window opens showing the cycle summary and the results of the preparation readiness checks.

Please review the preparation readiness results and select Confirm to proceed to the preparation phase. Or, select Cancel, correct identified issues and select Run Prevalidation if you want to run preparation readiness checks again.



After running the preparation, select **Refresh** to view updates:

- If the cycle preparation status is **Done** or **Done with Error** (only for test cycles), you can proceed to the next transformation cycle phase.
- If the cycle preparation status is **Done with Error** or **Error**, select **Preparation Logs** to view details. After analyzing the logs and correcting the errors, restart the cycle preparation, and use the same transformation model version if possible. You can start the transformation cycle phase even with a cycle preparation status of **Done with Error**. However, in such cases, restarting the preparation is not possible after starting the cycle transformation phase.

Restart Preparation: Restarting preparation is only possible if the cycle preparation status is **Done with Error** or **Error** and the cycle transformation phase has not been started. The restart functionality mitigates issues that occurred for example due to connectivity issues between BTC and the involved ABAP systems. Data dictionary or data related issues cannot be mitigated.

Select **Preparation Logs** to view details. After analyzing the logs and correcting the errors, you can restart the cycle preparation with the same transformation model version, if possible.

After restarting preparation, select **Refresh** to view updates:

- If the cycle preparation status is **Done** or **Done with Error** (only for test cycles), you can proceed to the next transformation cycle phase.
- If the cycle preparation status is **Done with Error** or **Error**, select **Preparation Logs** to view details. After analyzing the logs and correcting errors, restart the cycle preparation using the current transformation model version, if possible. You

can start the transformation cycle phase even with a cycle preparation status of **Done with Error**. However, in such cases, restarting the preparation is not possible after starting the cycle transformation phase.

Preparation Logs: Select **Preparation Logs** to view details of the cycle preparation phase.

Preparation status describes the status of all preparations in SAP Business Transformation Center required for starting a data transformation:

- **New**: Preparation has not started yet.
- **Running**: Preparation is currently in progress.
- **Done**: Preparation has been successfully completed.
- **Done with Error**: Preparation encountered an error causing a portion of the transformation object to be blocked (applies only to test cycles). Select **Preparation Logs** to view details.
- **Error**: Preparation encountered an error causing all subsequent steps to be blocked. Select **Preparation Logs** to view details.
- **Canceling**: Canceling the cycle.
- **Canceled**: Cycle is canceled.

This does not include preparations described in the overall guide.

The **Information** attribute provides details about the current cycle preparation status.

Start Time: Cycle preparation **Start Time** displays the start date and time of the last preparation run initiated by clicking the **Run Preparation** or **Restart Preparation** buttons.

End Time: Cycle preparation **End Time** displays the end date and time of the last preparation run initiated by clicking the **Run Preparation** or **Restart Preparation** buttons.

Duration: Cycle preparation **Duration** displays the duration of only the last preparation run initiated by clicking the **Run Preparation** or **Restart Preparation** buttons.

The **Transformation Readiness** table contains the following columns:

- **Check**
- **Progress**
- **Details**

The **Check** column lists the checks performed during the preparation phase required to confirm that the cycle is ready for the transformation phase.

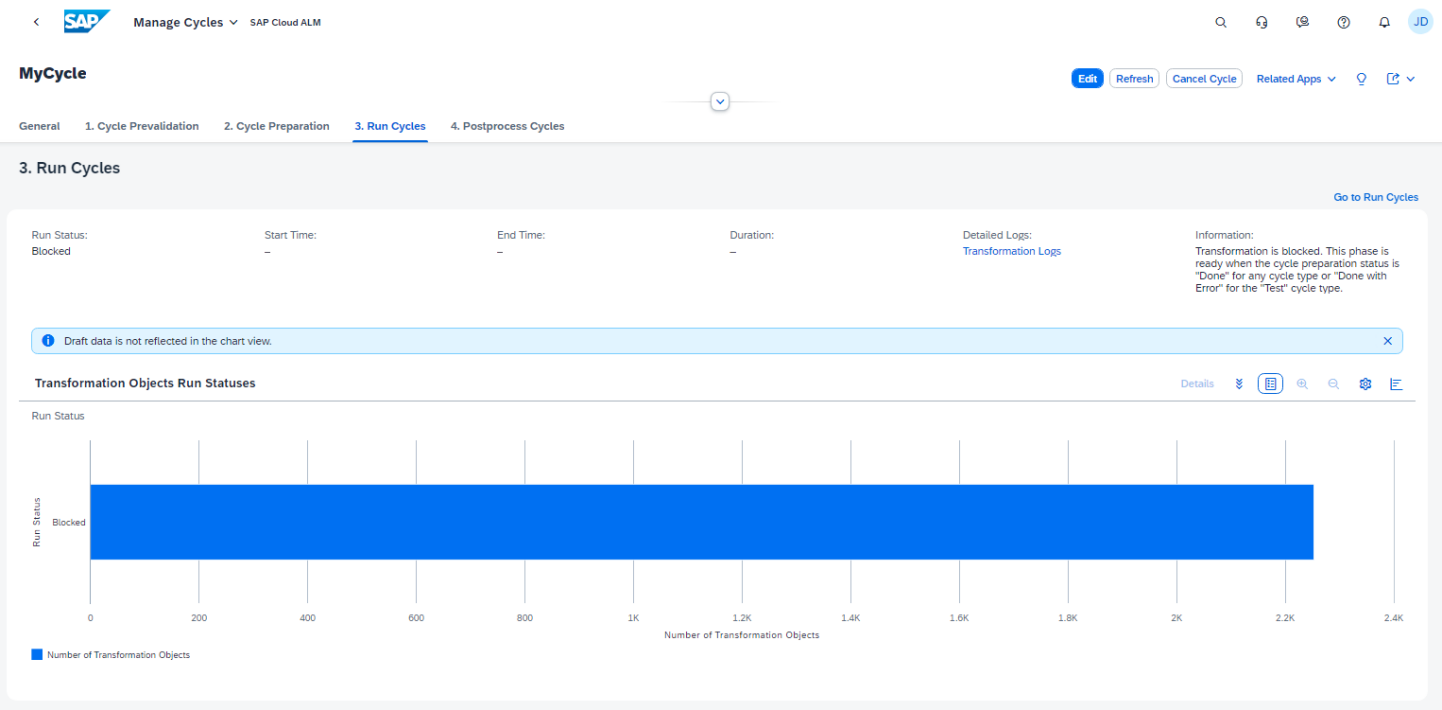
The **Progress** column shows the progress of each check in percentage. The following indications of the progress bar are possible:

- Blue: The check is in progress or finished. No errors are found.
- Red: The check is in progress or finished, but errors are found. Select **Preparation Logs** to view details.

The **Details** column gives general information about the check.

Run Cycles

This tab displays information about the cycle transformation phase. During this phase, all transformation-relevant records are identified and migrated to the target system.



There are two main controls here:

- Go to Run Cycles: Select it to monitor transformation objects in detail. In the Run Cycles app, data transformation can be started. For further details, refer to the Run Cycles app.
- Transformation Logs: Select Transformation Logs to view detailed information about the cycle transformation phase in the Cycle Logs app.

Run Status describes the status of all activities required to move data between systems:

- Blocked: The preparation status is not Done or Done with Error, and the transformation phase cannot be started.
- Ready: All prerequisites have been met to start the transformation phase.
- Ready with Error: The preparation phase encountered errors that block some of the transformation objects. In test cycles, other transformation objects can be started.
- Running: At least one transformation object is or was running.
- Running with Error: At least one transformation object is or was running. While running the transformation objects an error occurred for at least one of them.
- Done: All transformation objects have completed successfully.
- Done with Error: All transformation objects have finished, but at least one encountered an error during execution. This status is applicable only in test cycles. In other cycle types, it translates to Error. Select Transformation Logs to view details.
- Error: In a dress rehearsal or go live cycle, an error occurred while running at least one transformation object. In a test cycle, an error occurred while running all the transformation objects. Select Transformation Logs to view details.
- Canceling: Canceling the cycle.
- Canceled: Cycle is canceled.

This does not include upgrade related conversions that can be found in the cycle postprocess phase.

The Information attribute describes details about the current cycle run status.

Start Time: Cycle transformation Start Time displays the start date and time of the last transformation run initiated by clicking one of the following buttons: Run Selected, Run All or Restart All.

End Time: Cycle transformation End Time displays the end date and time of the last transformation run initiated by clicking one of the following buttons: Run Selected, Run All or Restart All.

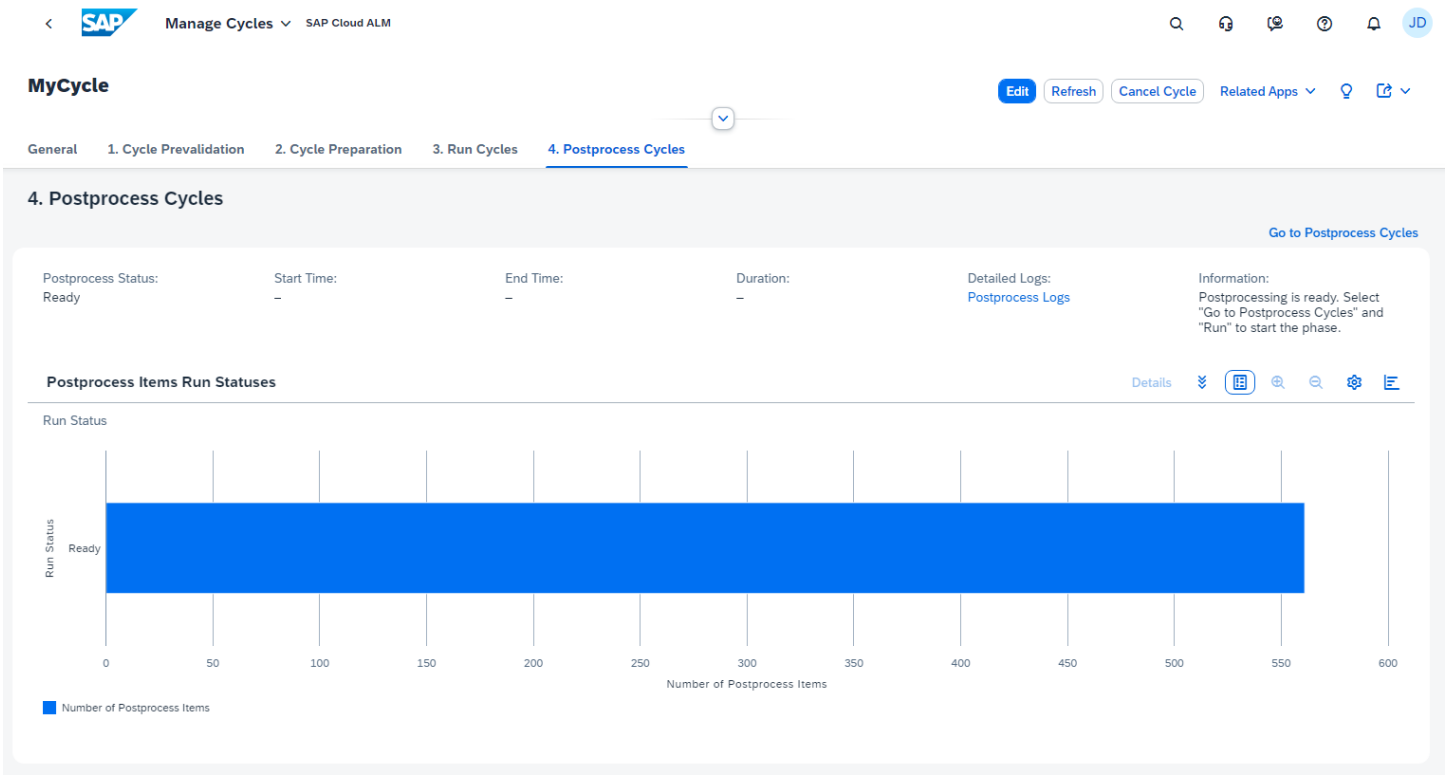
Duration: Cycle transformation Duration displays the duration of only the last transformation run initiated by clicking one of the following buttons: Run Selected, Run All or Restart All.

The Transformation Objects Run Statuses chart contains the run status of transformation objects:

- Blocked: The transformation object cannot run, as one of several prerequisites are not met. This may happen if the preparation is not in status Done, if the relations cannot run due to dependencies to other preselections or if a required automatic mapping calculation cannot be executed at this moment.
- Ready: The transformation object is ready to run (by starting the preparation phase).
- Queued: The transformation object is scheduled and about to run.
- Running: The transformation object is currently running.
- Error: One of the activities of this transformation object is in status Error. Select Transformation Logs to view details.
- Done: The transformation object has been completed successfully.
- Canceled: The transformation object was canceled.

Postprocess Cycles

This tab displays information about the post-processing phase of the cycle. During this phase, migrated data is converted to match the release of the target system by leveraging the ABAP upgrade mechanism.



There are two main controls here:

- **Go to Postprocess Cycles**

  Select **Go to Postprocess Cycles** to view the detailed postprocessing information. In the **Postprocess Cycles** app, the data postprocessing can be finalized. For more information, see the Postprocess Cycles app.

- **Postprocess Logs**

  Select **Postprocess Logs** to view details of a cycle.

Postprocess Status describes the status of all upgrade-related conversions that are performed on the target system:

- **Blocked**: The cycle run status is other than **Done** or **Done with Error** and the postprocessing phase cannot be started.
- **Ready**: All the prerequisites are met to start postprocessing.
- **Running**: The postprocessing is running.
- **Running with Error**: The postprocessing is running. At least one item has the **Error** run status.
- **Done**: All the postprocessing items finished either with the status **Done** or **Done with required manual activities**.
- **Done with Error**: All postprocessing items finished. While running the postprocessing phase, an error occurred for at least one item and the error was skipped by the user. This status is only possible in test cycles and translates to **Error** in the other cycle types.
- **Error**: In a dress rehearsal or go live cycle, an error occurred while running the postprocessing phase. In a test cycle, an error occurred that was not skipped by the user or all items are in run status **Error**.
- **Canceling**: Canceling the cycle.
- **Canceled**: Cycle is canceled.

The **Information** attribute provides details about the current cycle postprocessing status.

Start Time: Cycle postprocessing **Start Time** displays the start date and time of the last postprocessing run initiated by clicking the **Run** or **Resume** buttons.

End Time: Cycle postprocessing **End Time** displays the end date and time of the last postprocessing run initiated by clicking the **Run** or **Resume** buttons.

Duration: Cycle postprocessing **Duration** displays the duration of the last postprocessing run initiated by clicking the **Run** or **Resume** buttons.

The **Postprocess Items Run Statuses** chart contains the run status of postprocess items:

- **Blocked**: The postprocess item cannot run, as one of several prerequisites are not met. This may happen when the cycle run phase has other status than **Done** or **Done with Error**, or postprocessing has failed and cannot be processed for the rest of the items.
- **Ready**: The postprocess item is ready to run.
- **Queued**: The postprocess item has been scheduled and is about to run.
- **Running**: The postprocess item is currently running.
- **Error**: Running the postprocess item has failed. Select **Postprocess Logs** to view details.
- **Done**: The postprocess item finished successfully.
- **Done with required manual activities**: The postprocess item finished with required manual activities. Select **Postprocess Logs** to view more details.

- **Canceled**: The postprocess item was canceled.

Canceling a Cycle

Canceling a cycle tries to stop all currently running background activities and marks the cycle as canceled.

> ⚠ **Caution**
> Once canceled, no further actions can be performed within the cycle. This action is irreversible.

To cancel a cycle:

1. Open the detail view of the **Manage Cycles** app by selecting the cycle you want to cancel.
2. Select **Cancel Cycle** and then **OK** in the popup window to confirm your action.

The system will initiate cycle cancellation and update the cycle status and phase statuses to **Canceling**. Once the cancellation process is complete, the statuses are updated to **Canceled**.

Run Cycles

The **Run Cycles** app executes the data transformation once all cycle creation, preselection and preparation steps have been concluded. It is divided into three major sections displayed as tabs:

- Transformation Objects

  Main and detail view including sub-transformation objects.

- Transformation Object Steps

  An aggregated view of the transformation object steps.

- Transformation Object Run Statuses Chart

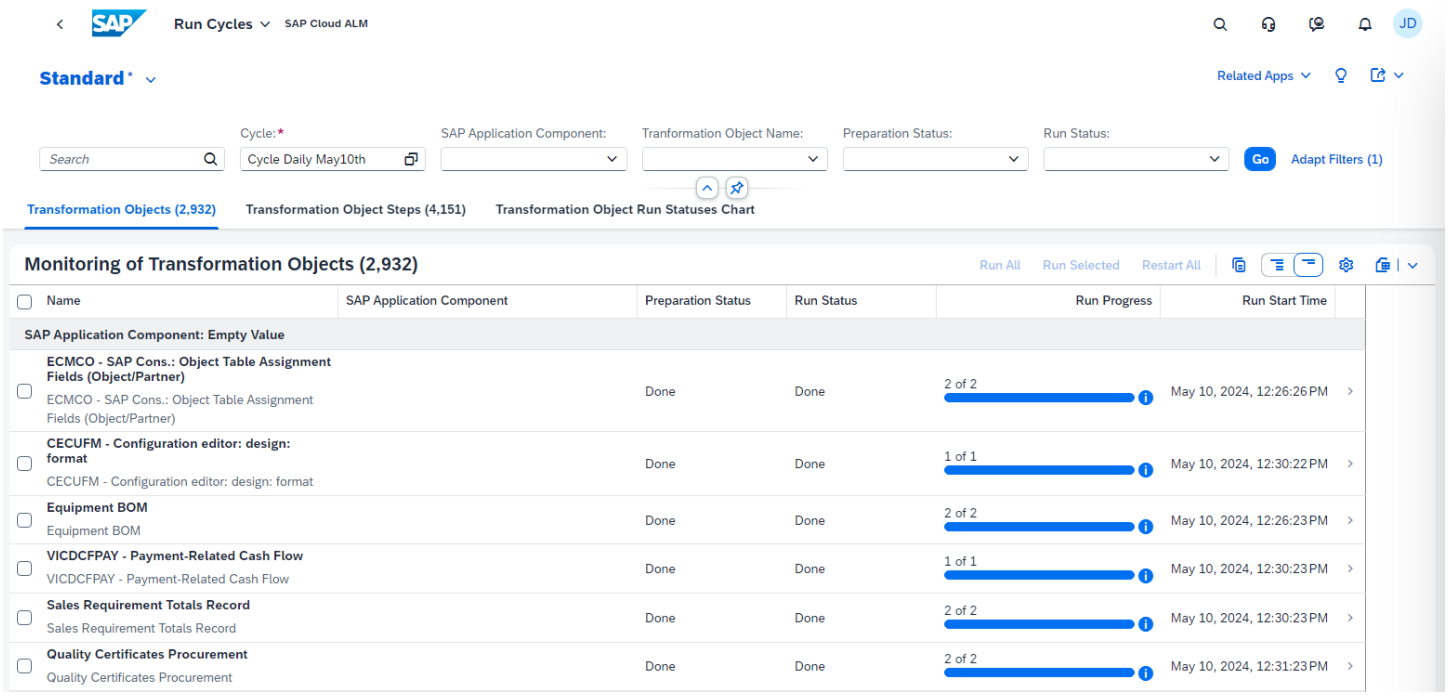
  An aggregated graphical representation of the progress.

The **Search** field offers the standard search functionality by transformation object names, run status, preparation status in all 3 tabs. In addition, you can search for transformation objects by sub transformation object names; it is applied only on the **Transformation Objects** tab.

Transformation Objects

Main View

This is the main control and default view in this app. The table displays all transformation objects that are assigned to the selected cycle.



The following options are available for running a cycle:

- Run All: The systems run all transformation objects of this cycle, independently of whether they are currently displayed in the screen or not. A pop-up appears once the button is triggered to notify you about starting run.
- Run Selected: This option is only available if none of the selected objects are blocked and only for objects in run status Ready. You can mark the transformation objects using the check box. A pop-up appears once again to inform you about starting the run.
- Restart All: This option is only available if the cycle run status is Error or Done with Error (in case of the cycle type Test) and the cycle postprocessing phase has not been started.

  The restart functionality mitigates issues that occurred for example due to connectivity issues between BTC and the involved ABAP systems. Data dictionary or data related issues cannot be mitigated.

The Name column contains the names of the transformation objects. A transformation object is a group of semantically related tables, that represent a business entity (for example, cost centers). You can view the structure of a transformation object in the Select Transformation Objects application in the Scoping section of SAP Business Transformation Center.

The SAP Application Component column shows application components of each transformation object. An SAP application component is an element within the SAP system that contains a set of area-specific or cross-functional business processes.

The Preparation Status column describes the final status of the transformation object once the preparation phase has ended. The following values are possible:

- Blocked: The preparation has not yet run.
- Queued: The preparation is scheduled and is about to run.
- Running: The preparation is currently running.
- Error: One of the preparation activities of this transformation object has encountered an error.
- Done: The preparation activities for this transformation object are finished successfully.
- Canceled: The preparation of this transformation object is canceled.

The Run Status column describes the final status of the transformation object once the transformation phase has started. The following values are possible:

- Blocked: The transformation object cannot run, as at least one of the following prerequisites is not met:
    - The preparation is not in status Done.
    - The transformation object relations cannot run due to dependencies to other preselections.
    - A required automatic mapping calculation cannot be executed.
- Ready: The transformation object is ready to run (by starting the transformation phase).
- Queued: The transformation object is scheduled and is about to run.
- Running: The transformation object is currently running.
- Error: One of the activities of this transformation object is in the Error status.
- Done: The transformation object has finished successfully.
- Canceled: The execution of the transformation object is canceled.

The Run Progress column shows the current transformation progress of the transformation object aggregated by each sub-transformation object.

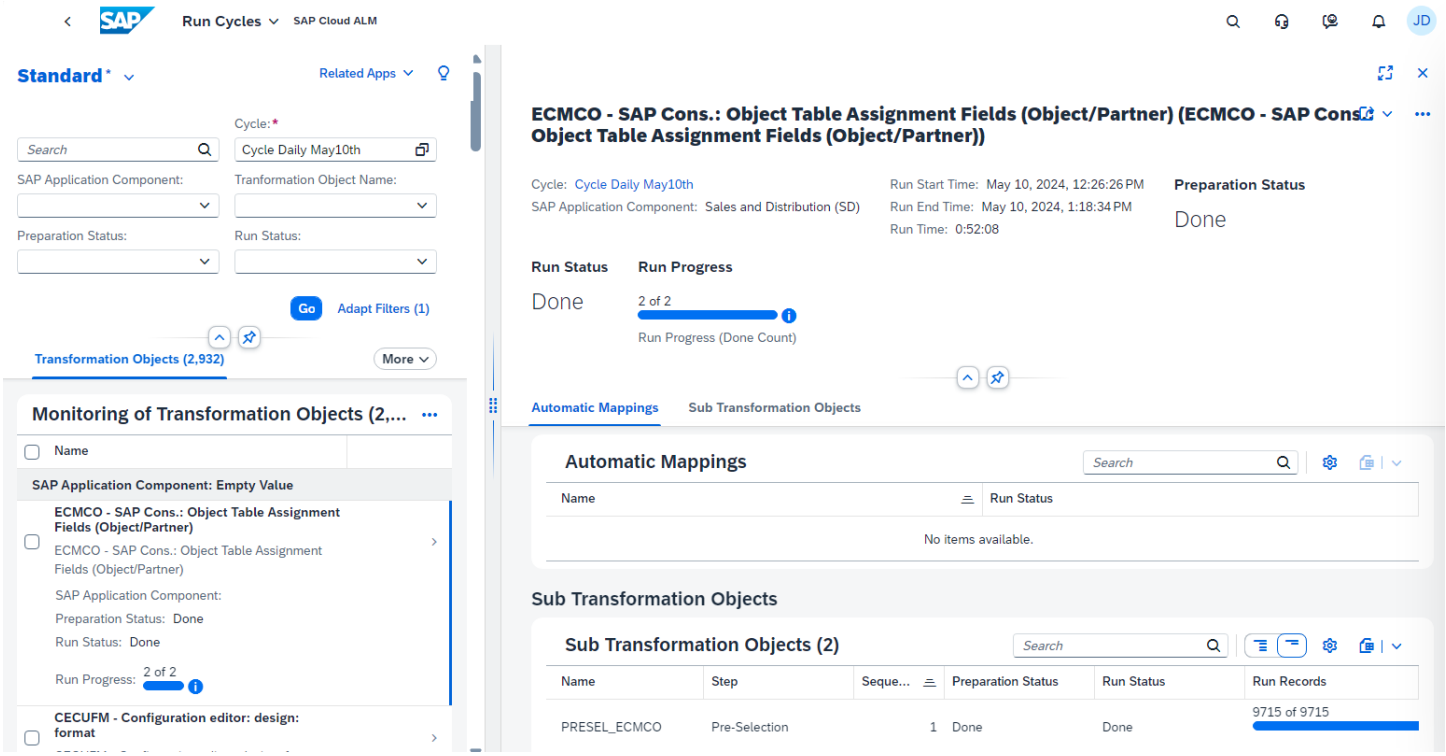
The Run Start Time Column shows the actual starting time of the transformation of the transformation object.

The Run End Time column shows the actual ending time of the transformation of the transformation object.

The Run Time column shows the overall time that has passed between starting and finishing the transformation of this object.

Detail View

If you select a transformation object in the main view, a detailed view opens in split screen. In the header, general information is displayed, and there are two separate sections: Automated Mappings and Sub Transformation Objects.



There are two main controls in this view:

- Refresh: Use this to update the information displayed in this view.

- **Related Apps**: An easy way to navigate to apps with related functions.

The **Automated Mappings** section details a process to determine the value mapping data between the source and target system based on the same unique entities that exist in both systems (based on the so called matching information). The process also includes defining what should be derived as a mapping after a successful matching of the entities. The mapping result persists as the value mapping data and it can be consumed by a transformation rule that makes use of a corresponding value mapping rule logic. Addresses are a good example for these kinds of automated mappings.

The **Run Status** column describes the final status of the mapping once the transformation phase has started. The possible values are as follows:

- **Blocked**: The automatic mapping calculation cannot run, as one of several prerequisites are not met. For example, if the preparation activity is not in status **Done**.
- **Ready**: The automatic mapping calculation is ready to run by starting the transformation of the object.
- **Queued**: The automatic mapping calculation is scheduled and is about to run.
- **Running**: The automatic mapping calculation is currently running.
- **Error**: Running the automatic mapping calculation failed. See Cycle Logs for details.
- **Done**: The automatic mapping calculation has finished successfully.
- **Canceled**: The automatic mapping calculation is canceled.

The **Sub Transformation Objects** section details the transformation status of the inner structure of a transformation object.

The **Sub Transformation Object** column displays the object which corresponds to an ABAP command and represents the smallest granularity of a transformation object. A sub-transformation object is a container for multiple commands and it can point to multiple commands. During compiling, transformation objects are technically decomposed into sub-transformation objects, and one transformation object can consist of several sub-transformation objects.

The **Run Status** column describes the current status of the sub-transformation object once the transformation phase has started. The following values are possible:

- **Blocked**: The sub-transformation object cannot run, as at least one of the following prerequisites is not met:
  - The run preparation is not in status **Done**.
  - The relations cannot run due to dependencies to other preselections.
  - A required automatic mapping calculation cannot be executed currently.
- **Ready**: The sub-transformation object is ready to run (by starting the preparation phase).
- **Queued**: The sub-transformation object is scheduled and is about to run.
- **Running**: The sub-transformation object is currently running.
- **Error**: At least one of the activities of this sub-transformation object has status **Error**.
- **Done**: The sub-transformation object has finished successfully.
- **Canceled**: The execution of the sub-transformation object is canceled.

The **Step** column describes the type of the corresponding sub-transformation object. The following values are possible:

- **Relation**

  A sub-transformation object relation describes the connection between two sub-transformation objects, which can result from process flows or the structuring of application data in a system. For example, addresses collected from a customer

master data object.

- **Pre-Selection**

  This artefact stores the preselected data from the source system based on the filtering; for example, per company code.

- **Transformation**

The **Sequence** columns displays the dependencies, which steps can run in parallel and which need to wait until the successor sequence is successfully finished.

The **Preparation Status** column describes the final status of the sub-transformation object once the preparation phase has ended. The following values are possible:

- **Blocked**: The preparation has not yet run (by starting the preparation phase).
- **Queued**: The preparation is scheduled and is about to run.
- **Running**: The preparation is currently running.
- **Error**: At least one of the preparation activities of this sub-transformation object has status **Error**.
- **Done**: The preparation activities for this sub-transformation object have finished successfully.
- **Canceled**: The preparation of this sub-transformation object is canceled.

The **Run Status** column describes the final status of the sub-transformation object once the transformation phase has started. The following values are possible:

- **Blocked**: The sub-transformation object cannot run, as at least one of the following prerequisites is not met:
  - The run preparation is not in status **Done**.
  - The relations cannot run due to dependencies to other preselections.
  - A required automatic mapping calculation cannot be executed currently.
- **Ready**: The transformation object is ready to run (by starting the preparation phase).
- **Queued**: The transformation object is scheduled and is about to run.
- **Running**: The transformation object is currently running.
- **Error**: At least one of the activities of this transformation object has status **Error**.
- **Done**: The transformation object has finished successfully.
- **Canceled**: The migration of the transformation object is canceled.

The **Run Start Time** column shows the actual start time of the transformation for the sub-transformation object.

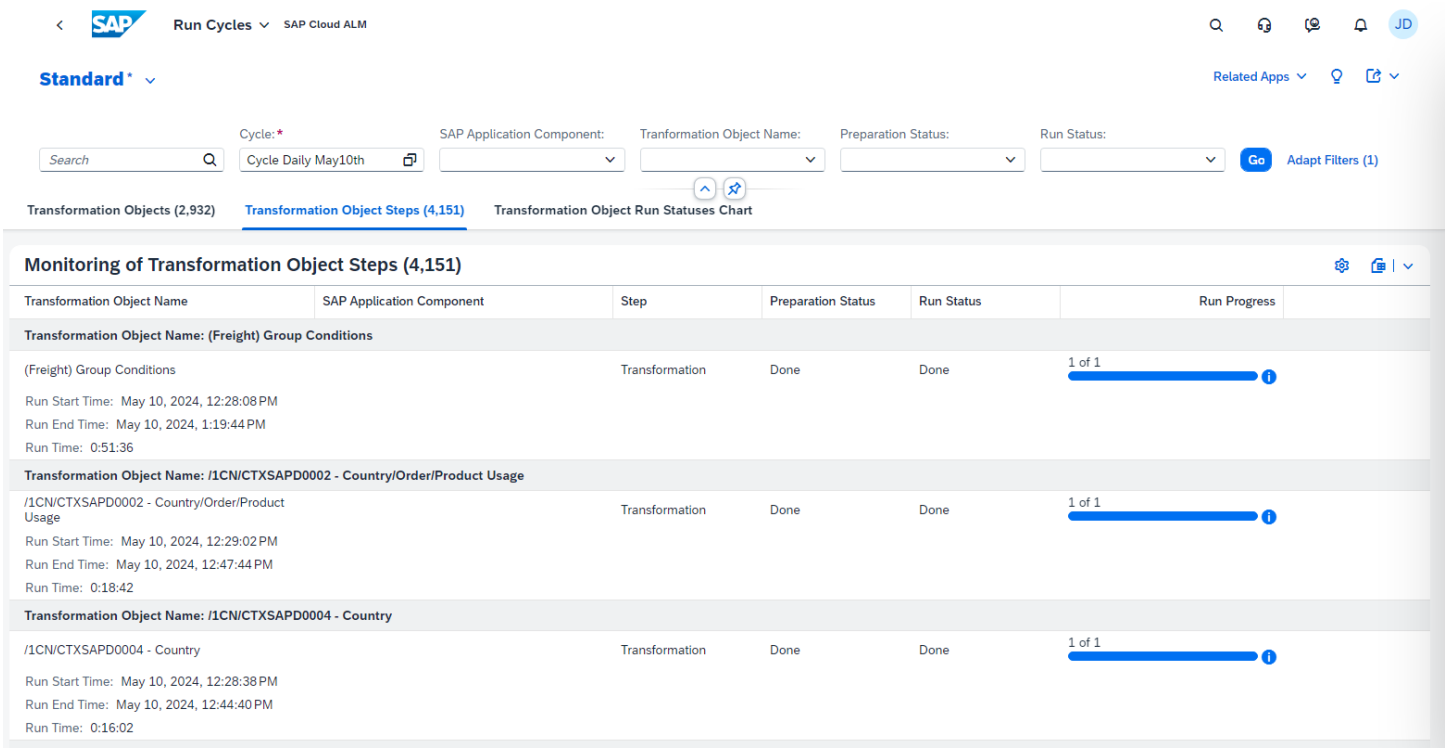
The **Run End Time** column shows the actual end time of the transformation for the sub-transformation object.

The **Run Time** column shows the overall time that has passed between starting and finishing the sub-transformation object.

The **Run Records** column displays how many records were preselected using a relation in the source system and then transitioned to the target system.

Transformation Object Steps

The Transformation Objects Steps tab is an aggregated view of the transition grouped by the different steps: pre-selection, relation, and transformation. This provides you with high-level control and monitoring of the entire process.



The Transformation Object Name column contains the names of the transformation objects. A transformation object is a group of semantically related tables, that represent a business entity (for example, cost centers). You can view the structure of a transformation object in the Select Transformation Objects application in the Scoping section of SAP Business Transformation Center.

The SAP Application Component column shows application components of each transformation object. An SAP application component is an element within the SAP system that contains a set of area-specific or cross-functional business processes.

The Step column describes the type of the corresponding sub-transformation object. The following values are possible:

- Relation
- Pre-Selection

  This artefact stores the preselected data from the source system based on the filtering; for example, per company code.
- Transformation

The Preparation Status column describes the final status of the transformation object step once the preparation phase has ended. The following values are possible:

- Blocked: The preparation has not yet run (by starting the preparation phase).
- Queued: The preparation is scheduled and is about to run.A transformation object relation describes the connection between two transformation objects, which can result from process flows or the structuring of application data in a system. For example, addresses collected from a customer master data object.
- Running: The preparation is currently running.
- Error: One of the preparation activities of this transformation object step has the Error status.
- Done: The preparation activities for this transformation object step have finished successfully.
- Canceled: The preparation of this transformation object step is canceled.

The Run Status column describes the final status of the transformation object step once the transformation phase has started. The following values are possible:

- Blocked: The transformation object step cannot run, as at least one of the following prerequisites is not met:
  - The run preparation is not in status Done.
  - The transformation object relations cannot run due to dependencies to other preselections.
  - A required automatic mapping calculation cannot be executed currently.
- Ready: The transformation object step is ready to run (by starting the preparation phase).
- Queued: The transformation object step is scheduled and is about to run.
- Running: The transformation object step is currently running.
- Error: At least one of the activities of this transformation object step has status Error.
- Done: The transformation object step has finished successfully.
- Canceled: The execution of the transformation object step is canceled.

The Run Progress column shows the current transformation progress of the transformation object step aggregated by each sub-transformation object.

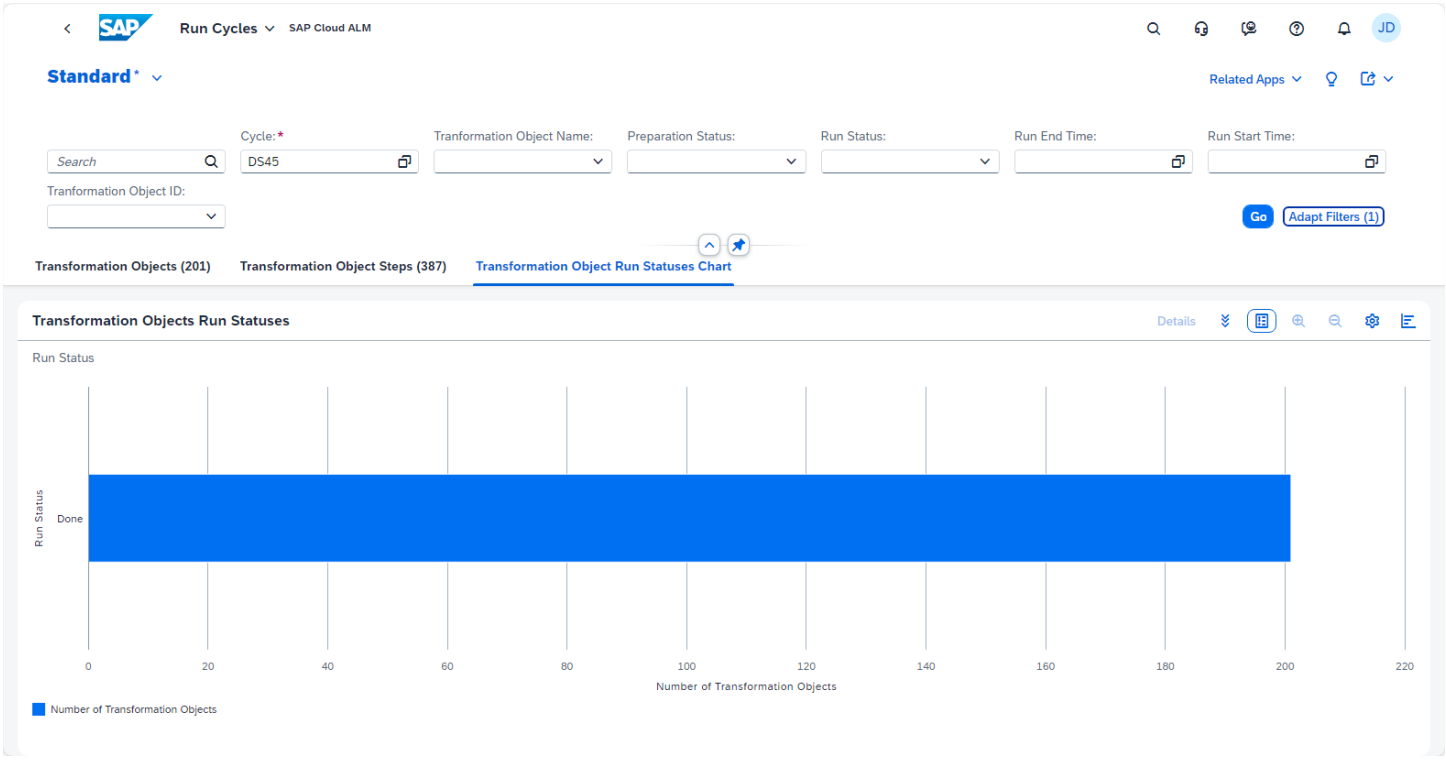
The Run Start Time column shows the actual start time of the transformation for the transformation object step.

The Run End Time column shows the actual end time of the transformation for the transformation object step.

The Run Time Column shows the overall time that has passed between starting and finishing the transformation object step.

Transformation Object Run Statuses Chart

The Transformation Objects Run Statuses Chart tab is a highly aggregated, graphical view of the transition grouped by the different run statuses for high level management, reporting, and monitoring.



The system can display the following statuses here:

- Blocked: The transformation object cannot run, as at least one of the following prerequisites is not met:
    - The run preparation is not in status Done.
    - The relations cannot run due to dependencies to other preselections.
    - A required automatic mapping calculation cannot be executed currently.
- Ready: The transformation object is ready to run (by starting the transformation phase).
- Queued: The transformation object is scheduled and is about to run.
- Running: The transformation object is currently running.
- Error: At least one of the activities of this transformation object has status Error.
- Done: The transformation object has finished successfully.
- Canceled: The execution of the transformation object is canceled.

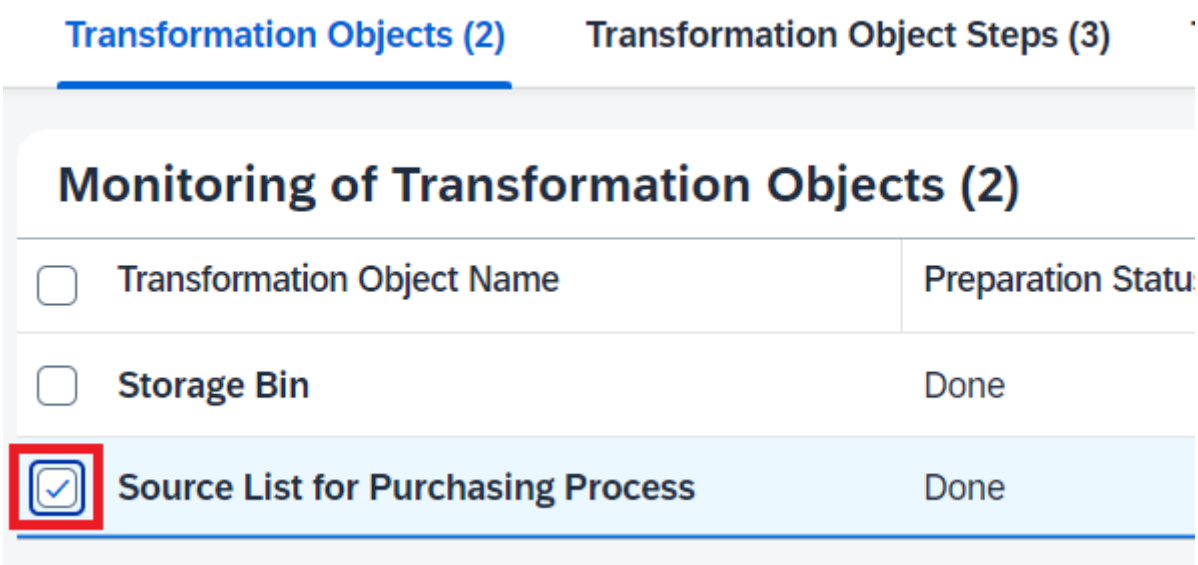
Executing Cycles

Review the steps required to run your cycle.

1. After the prevalidation and preparation steps are successfully completed, you have three options to run your cycle:
    - Run All

      Starts the transformation for all transformation objects at once.
    - Run Selected

      You can select individual transformation objects if you want to run your cycle in controlled batches. Use the checkbox in front of each item to select one or multiple objects:



→ **Remember**

You can run your transformation objects in any order, and the system ensures that the eventual technical dependencies are considered when you run your transformation objects. Please note that the target system is inconsistent up to the point where the postprocessing is finished successfully.

- **Restart All**

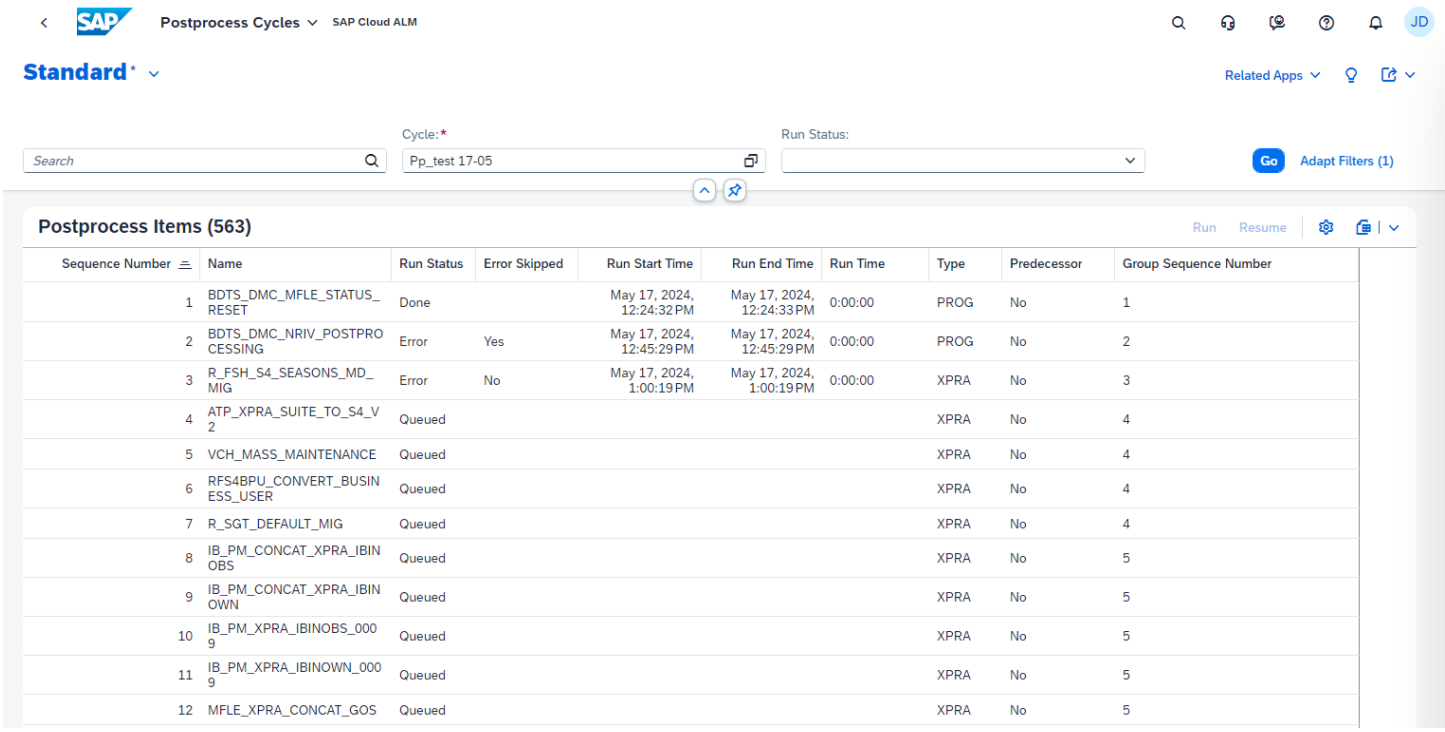
  Restart transformation is only available if the cycle run status is **Done with Error** or **Error**, and the cycle postprocessing phase has not been started.

2. You can select any individual item from the list to monitor the detailed status of the migration. The detail view displays all sub-transformation objects within an object with the number of records being migrated.

Postprocess Cycles

The **Postprocess Cycles** app is used to run and resume postprocessing, and to review the current postprocessing item statuses. It only has a main view.

In the postprocessing phase, the migrated data is converted to match the release of the target system by leveraging the ABAP upgrade mechanism.

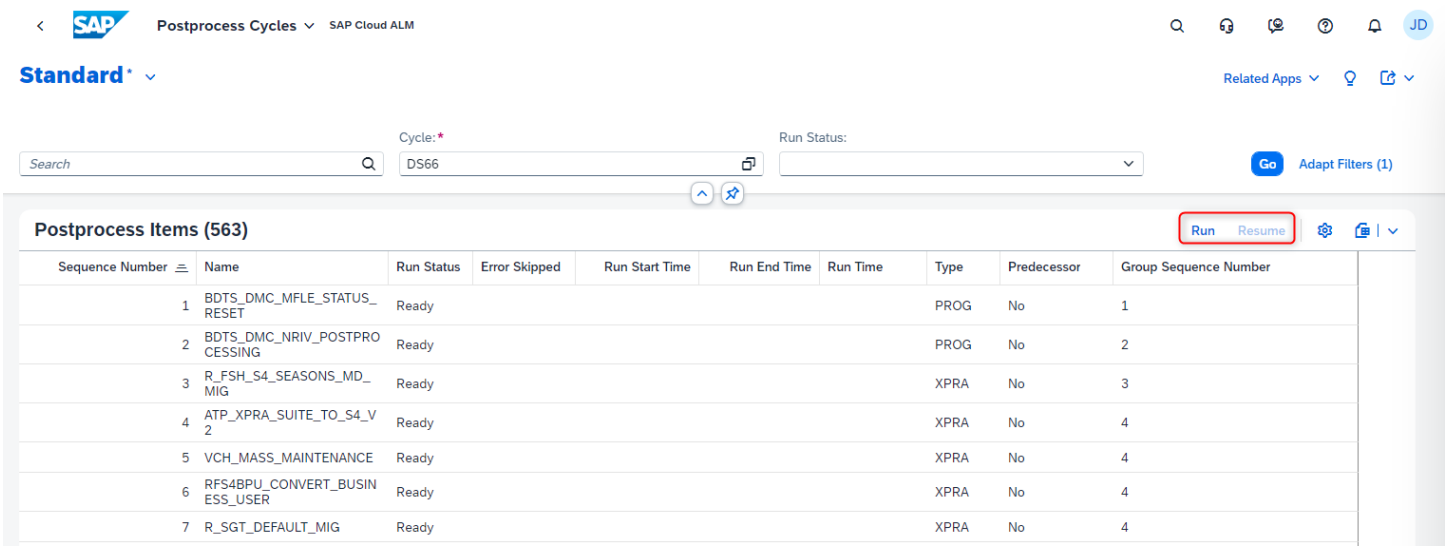


Sequence Number	Name	Run Status	Error Skipped	Run Start Time	Run End Time	Run Time	Type	Predecessor	Group Sequence Number
1	BDTS_DMC_MFLE_STATUS_RESET	Done		May 17, 2024, 12:24:32 PM	May 17, 2024, 12:24:33 PM	0:00:00	PROG	No	1
2	BDTS_DMC_NRIV_POSTPROCESSING	Error	Yes	May 17, 2024, 12:45:29 PM	May 17, 2024, 12:45:29 PM	0:00:00	PROG	No	2
3	R_FSH_S4_SEASONS_MD_MIG	Error	No	May 17, 2024, 1:00:19 PM	May 17, 2024, 1:00:19 PM	0:00:00	XPRA	No	3
4	ATP_XPRA_SUITE_TO_S4_V2	Queued					XPRA	No	4
5	VCH_MASS_MAINTENANCE	Queued					XPRA	No	4
6	RFS4BPU_CONVERT_BUSINESS_USER	Queued					XPRA	No	4
7	R_SGT_DEFAULT_MIG	Queued					XPRA	No	4
8	IB_PM_CONCAT_XPRA_IBINOBS	Queued					XPRA	No	5
9	IB_PM_CONCAT_XPRA_IBINOWN	Queued					XPRA	No	5
10	IB_PM_XPRA_IBINOBS_0009	Queued					XPRA	No	5
11	IB_PM_XPRA_IBINOWN_0009	Queued					XPRA	No	5
12	MFLE_XPRA_CONCAT_GOS	Queued					XPRA	No	5

Using the Postprocess Cycles App

The **Postprocess Cycles** app has two main controls:

- **Run**
- **Resume**



Expand the sections below to learn details.

Run

You can run postprocessing only after the cycle transformation has successfully finished (cycle run status is **Done** or **Done with Error**). In such cases, the cycle postprocess status is **Ready**.

If the cycle run status is **Done with Error** (only for test cycles), you can restart the transformation phase to fix the errors. After the restart is finished, you can proceed with running the postprocessing.

ℹ Note

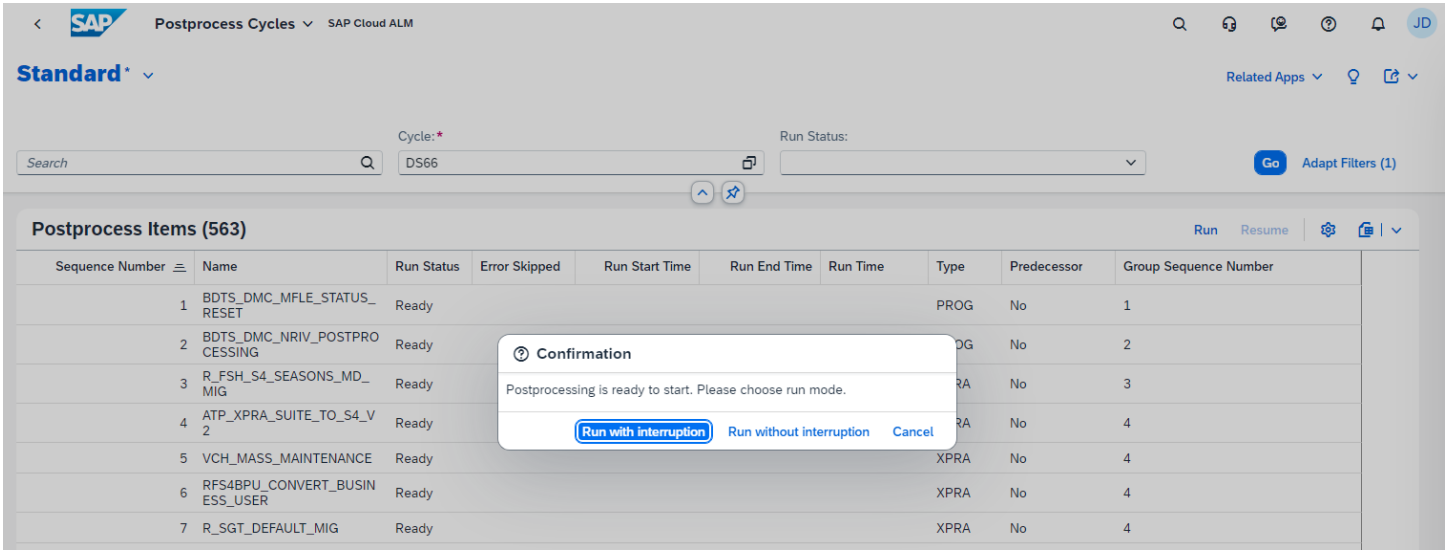
After you lauch the postprocessing, there is no possibility to restart transformation.

There are two postprocessing run modes:

- **Run with interruption**: This mode runs only until it identifies the first error. If there are errors, they are not marked as skipped.
- **Run without interruption**: This mode runs through the entire postprocessing item list. If there are errors, they are automatically marked as skipped.

→ Remember

The postprocessing run can only be triggered once.



When postprocessing is finished, select Go to see updates on postprocess items and check the cycle postprocessing status on the detail page of the Manage Cycles app:

- If the cycle postprocess status is Done, postprocessing has finished; check the status of items. If any item has status Done with required manual activities, perform the manual activities in the target system.
- If the cycle postprocess status is Done with Error, postprocessing has finished with errors; check the status of items. If any item has the status Done with required manual activities, perform the manual activities in the target system.
- If the cycle postprocess status is Error, postprocessing has finished with errors.
- If the cycle postprocess status is Done with Error or Error, you can resume it.

Resume

You can resume postprocessing if it finished with errors (cycle postprocess status is Done with Error or Error).

The resuming mode options depend on the postprocessing run mode. In case of a run with interruption, the options are:

- Reprocess unskipped errors: Reprocess all unskipped errors and continue postprocessing for items not yet processed.
- Reprocess all errors: Reprocess all errors (skipped and unskipped) and continue postprocessing for items not yet processed.
- Skip errors: Skip all errors and continue postprocessing for items not yet processed.

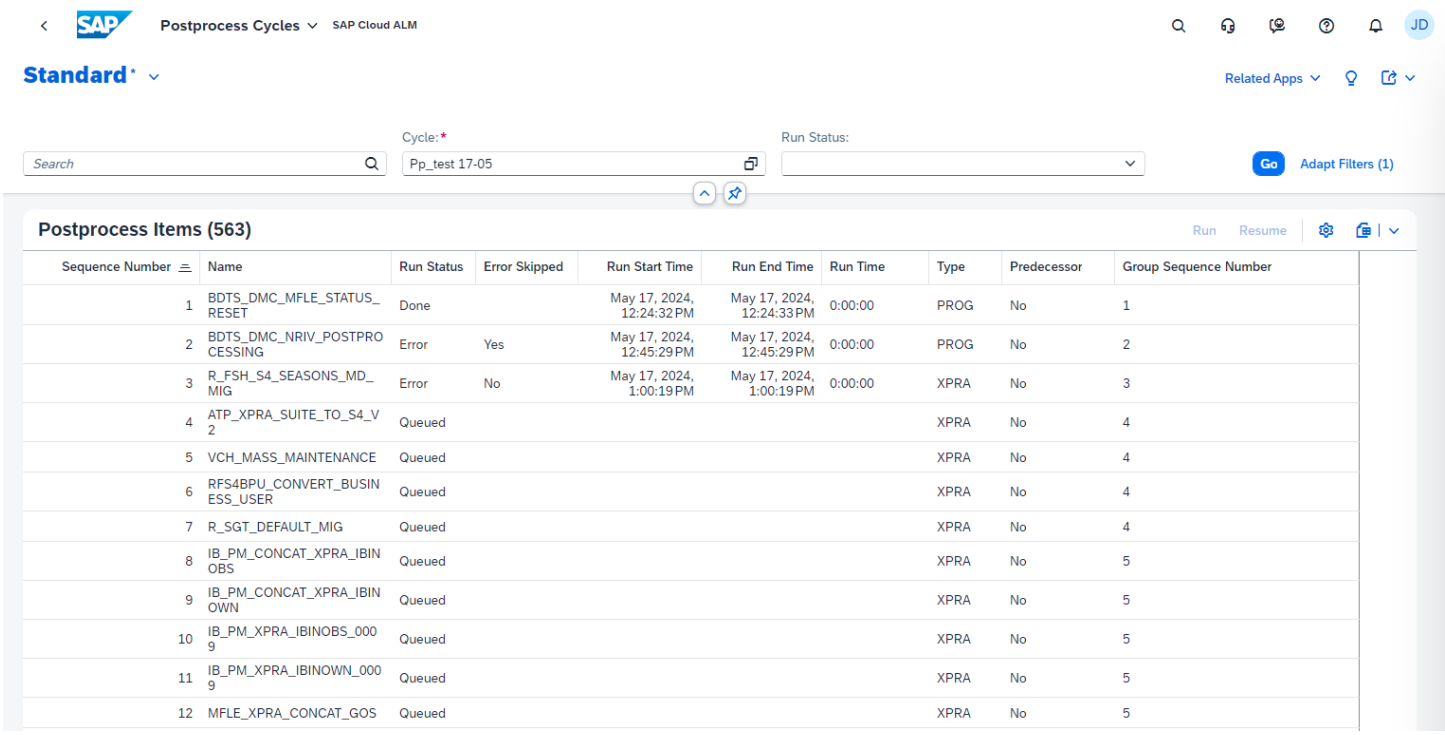
In the case of run without interruption, there is only one option: reprocess skipped errors (reprocess all skipped errors).

After resuming postprocessing, select Go to see updates on postprocessing items and check the cycle postprocess status on the detail page of the Manage Cycles app:

- If the cycle postprocess status is Done, postprocessing has finished; check the status of items. If any item has status Done with required manual activities, perform the manual activities in the target system.
- If the cycle postprocess status is Done with Error, postprocessing has finished with errors; check the status of items. If any item has status Done with required manual activities, perform the manual activities in the target system.
- If the cycle postprocess status is Error, postprocessing has finished with errors.
- If the cycle postprocess status is Done with Error or Error, you can resume it again.

Postprocessing Information

The Postprocess Items table displays the information summarized below.



Sequence Number	Name	Run Status	Error Skipped	Run Start Time	Run End Time	Run Time	Type	Predecessor	Group Sequence Number
1	BDTS_DMC_MFLE_STATUS_RESET	Done		May 17, 2024, 12:24:32 PM	May 17, 2024, 12:24:33 PM	0:00:00	PROG	No	1
2	BDTS_DMC_NRIV_POSTPROCESSING	Error	Yes	May 17, 2024, 12:45:29 PM	May 17, 2024, 12:45:29 PM	0:00:00	PROG	No	2
3	R_FSH_S4_SEASONS_MD_MIG	Error	No	May 17, 2024, 1:00:19 PM	May 17, 2024, 1:00:19 PM	0:00:00	XPRA	No	3
4	ATP_XPRA_SUITE_TO_S4_V2	Queued					XPRA	No	4
5	VCH_MASS_MAINTENANCE	Queued					XPRA	No	4
6	RFS4BPU_CONVERT_BUSINESS_USER	Queued					XPRA	No	4
7	R_SGT_DEFAULT_MIG	Queued					XPRA	No	4
8	IB_PM_CONCAT_XPRA_IBINOBS	Queued					XPRA	No	5
9	IB_PM_CONCAT_XPRA_IBINOWN	Queued					XPRA	No	5
10	IB_PM_XPRA_IBINOBS_0009	Queued					XPRA	No	5
11	IB_PM_XPRA_IBINOWN_0009	Queued					XPRA	No	5
12	MFLE_XPRA_CONCAT_GOS	Queued					XPRA	No	5

Sequence Number: The column shows the dependencies, which items can run in parallel or need to wait until the predecessor sequence is successfully finished.

Name: This column shows the name of the postprocess item.

Run Status: This column describes the current status of the postprocess item:

- Blocked: The postprocess item cannot run, as one of several prerequisites have not been met. This may happen if the cycle run phase is not in the status of Done or Done with Error, or if postprocessing has failed and cannot be processed for the remaining items.
- Ready: The postprocess item is ready to run.
- Queued: The postprocess item is scheduled and about to run.
- Running. The postprocess item is currently running.
- Error: The postprocess item failed to run. To view detailed information, select the Related Apps dropdown menu and go to Cycle Logs.
- Done: Postprocessing for the item finished successfully.
- Done with required manual activities: The postprocess item finished with required manual activities. To view detailed information, select the Related Apps dropdown menu and go to Cycle Logs.
- Canceled: Postprocessing of the item was canceled.

Error Skipped: The column displays the error skipped flag of the postprocessing item. This field is populated only for items with run status Error.

Run Start Time: It shows the actual start time of postprocessing for the postprocess item.

Run End Time: This column shows the actual end time of postprocessing for the postprocess item.

Run Time: The column shows the total duration between the start and completion of postprocessing for the item.

Type: It shows the type of the postprocess item.

Predecessor: This column indicates whether the postprocess item has a predecessor or not.

Group Sequence Number The column shows the dependencies, which group of postprocess items can run in parallel or need to wait until the predecessor successor sequence is successfully finished

Postprocessing Logs

To view more detailed information on the results after the postprocessing run is completed, please select Postprocess Logs in the Postprocess Cycles tab of the Manage Cycles app.

Phase	Object Type	Object Name	Log Type	Log Message	System	Timestamp	Command
Object Name: CK_XPRA_CONVERT_KALA_EXTRACT							
Postprocessing	Execution Plan	CK_XPRA_CONVERT_KALA_EXTRACT	Success	Postprocessing of item CK_XPRA_CONVERT_KALA_EXTRACT finished	RT9008	Apr 13, 2024, 3:02:03 AM	ExecutionPlan.Start.Status
Object Name: CL_CMM_SDM_UPDATE_VLOGP							
Postprocessing	Execution Plan	CL_CMM_SDM_UPDATE_VLOGP	Success	Postprocessing of item CL_CMM_SDM_UPDATE_VLOGP finished	RT9008	Apr 13, 2024, 3:02:03 AM	ExecutionPlan.Start.Status
Object Name: CL_CMM_SDM_UPDATE_VLOGP_KONVD							
Postprocessing	Execution Plan	CL_CMM_SDM_UPDATE_VLOGP_KONVD	Success	Postprocessing of item CL_CMM_SDM_UPDATE_VLOGP_KONVD finished	RT9008	Apr 13, 2024, 3:02:03 AM	ExecutionPlan.Start.Status
Object Name: CL_CO_ESH_LONGTEXT_MAPPING_V2							
Postprocessing	Execution Plan	CL_CO_ESH_LONGTEXT_MAPPING_V2	Success	Postprocessing of item CL_CO_ESH_LONGTEXT_MAPPING_V2 finished	RT9008	Apr 13, 2024, 3:02:03 AM	ExecutionPlan.Start.Status
Object Name: CL_FINS_SDM_ACDOCA_NETDT							
Postprocessing	Execution Plan	CL_FINS_SDM_ACDOCA_NETDT	Success	Postprocessing of item CL_FINS_SDM_ACDOCA_NETDT finished	RT9008	Apr 13, 2024, 3:02:03 AM	ExecutionPlan.Start.Status
Object Name: CL_NGC_CORE_SDM_CAWN							
Postprocessing	Execution Plan	CL_NGC_CORE_SDM_CAWN	Error	Processing of Postprocess item CL_NGC_CORE_SDM_CAWN failed. Please check transaction SLG1 in the target system with "Object" = BDTS, "Subobject" = BDTS_PF_ITEM and "External ID" = CL_NGC_CORE_SDM_CAWN*	RT9008	Apr 13, 2024, 3:02:03 AM	ExecutionPlan.Start.Status

→ Tip

For the detailed logging information provided by the postprocessing items please refer to the SLG1 transaction in the S/4HANA target system client. Based on the end statuses Done, Error or Done with required manual activities, the detailed documentation or needed follow up activities can be found there.

Cycle Logs

This app lets you review cycle actions and error messages for troubleshooting.

In the Cycle Logs app, you can view events for a given cycle. It allows you to reenact the overall process and view detailed messages in case of errors.

→ Remember

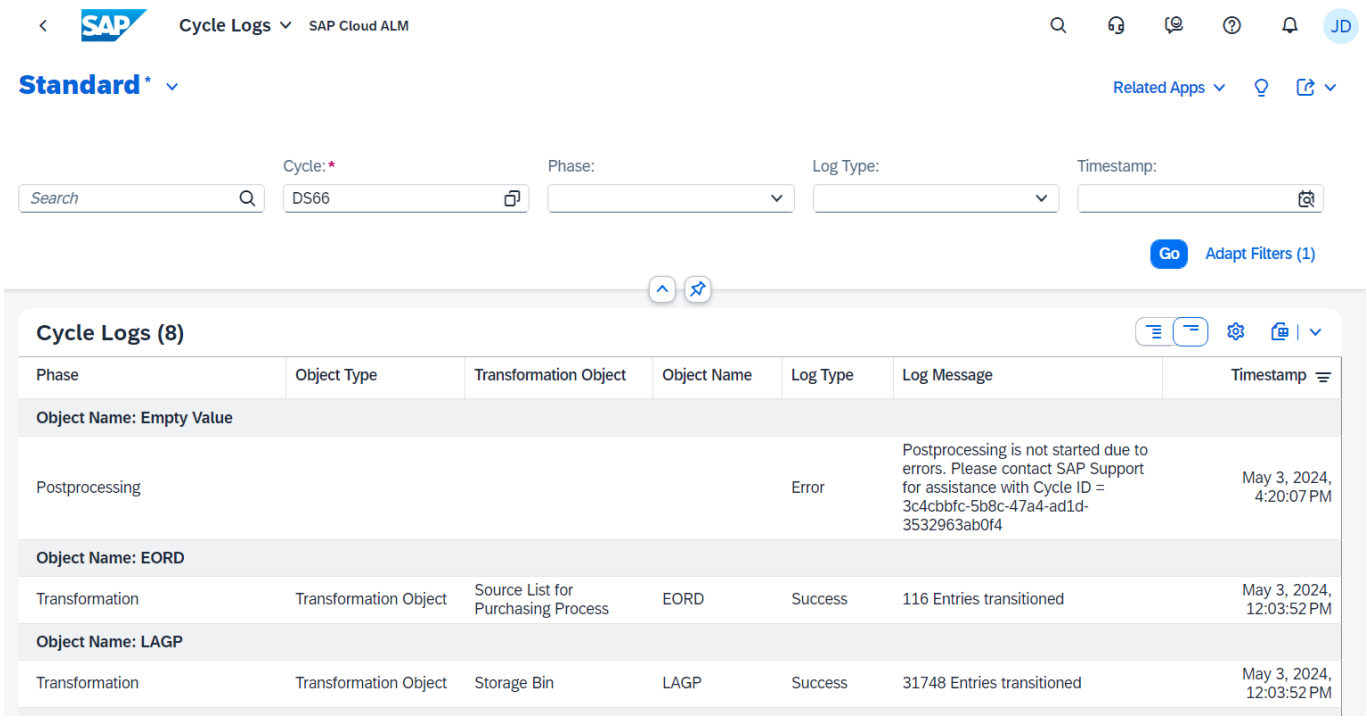
The Cycle and Monitoring apps may allow restarting actions that were previously unsuccessful. When using the Cycle Log app, note that you may see entries from previous attempts. This is relevant, for example, when performing prevalidation several times.

Viewing Cycle Logs

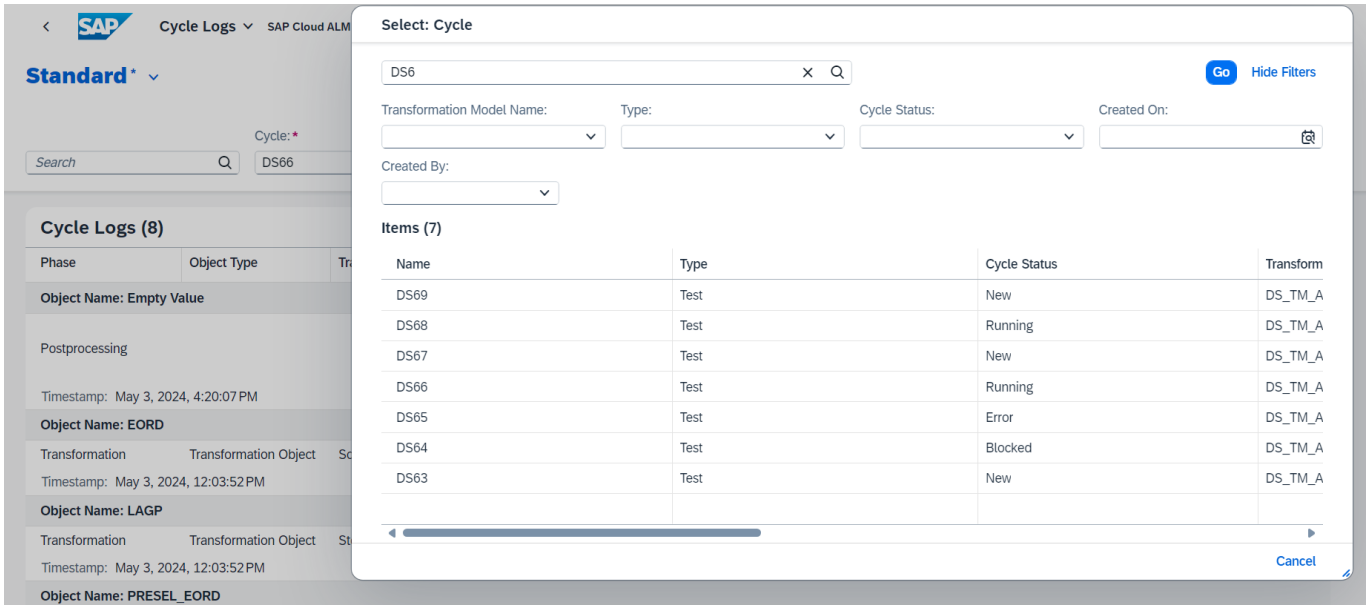
In the Cycle Logs app, you can view errors from cycle runs, with details on each transformation phase.

To view cycle logs:

1. Enter the cycle name (case sensitive) into the **Cycle** field.



Alternatively, select the advanced search icon beside the **Cycle** field. In the pop-up window, use the search and filter options to find the cycle you want, then select **Go** and select the cycle from the search results.



2. Select the **Go** button.

The **Cycle** field may already be prefilled when navigating to this app from another app and is mandatory.

The **Phase** input field allows you to select one of the four phases of a cycle to filter the log and may also be prefilled already.

Log Information

In the **Cycle Logs** app, logs are categorized based on their associations with various cycle entities, facilitating navigation to desired entries.

The Cycle Logs table contains the following columns, as described below.

Phase: The column shows one of the four phases that can be seen in the **Manage Cycle** app:

- **Cycle Prevalidation**: In this phase, additional SDT-specific checks that are not included in the SAP S/4HANA readiness check are performed.
- **Cycle Preparation**: In this phase, runtime objects that are required for the transformation are generated in the source and target system.
- **Run Cycle**: In this phase, all transformation relevant records are determined and migrated to the target system.
- **Postprocess Cycle**: In this phase, the migrated data is converted to match the release of the target system by leveraging the ABAP upgrade mechanism.

Object Type: The type of the object that was processed when the log was written. This allows to differentiate, for example, between the logs for calculating the relevant records on the source system (preselection) and the logs for processing the previously found records (transformation).

Object Name: The column shows the name of the object that was processed when the log was written. For example, a name of a table that was processed.

Log Type: It displays the log type: **Success** or **Error**.

Log Message: The column shows the detailed message of the log.

System: This column contains the name of the connection identified in the **Landscape Management** app that was used to perform the action. Depending on the action, this is either the source system (SAP ECC) or the target system (SAP S4/HANA).

Timestamp: The column has the timestamp when the log message was written.

Command: It displays the technical identifier that describes the type of action that was performed.

Data Calculation Logic

Learn about how the system calculates the amount of data included in a transformation project.

The table below summarizes how the value of fields **Total Data Count** and **Relevant Data Count** is calculated in each app of SAP Business Transformation Center.

ℹ Note

We use table entries as the unit of measurement. This means that if the **Total Data Count** field of a company code is 1, for example, then there is one table entry for that entity in the source SAP ECC system.

Application	Total Data Count	Relevant Data Count
Manage Analysis Files	The total data count of company codes and transformation objects. It is based on the uploaded analysis file, and the value never changes.	N/A

Application	Total Data Count	Relevant Data Count
Manage Digital Blueprint	The total data count of company codes and transformation objects. It is based on the uploaded analysis file, and the value never changes. If a transformation object related to a company code contains no data for that company code, the value is always 0.	It shows the data count that is currently in scope.
Select Company Codes	If there is at least one transformation object which contains data for the related company code, the following points apply: • The field displays the data count of all related transformation objects per company code. • This is a static value, it is based on the analysis file, and it never changes. If a transformation object related to a company code contains no data for that company code, the value is always 0.	If there is at least one transformation object which contains data for the related company code, the following points apply: • The field displays the data count of all transformation objects that are currently in scope per company code. • This value can be changed by adjusting the scoping decisions in the **Select Transformation Objects** app. • Initially, all items are in scope, so when you first create the digital blueprint this value matches the value of the **Total Data Count** field. If the transformation object related to the company code contains no data, this value is always 0.
Select Transformation Objects	This field always displays the total data count per transformation object. The value is based on the analysis file and it never changes.	Type 1 Transformation object where all counted instances are related to a company code. In this case, the following logic applies: • Data count of all related company codes that are currently in scope. • This value can be changed by adjusting the scoping decisions in the **Select Company Codes** app. • This value shows how much data would be affected by a scoping decision. • Initially, all items are in scope, so when you first create the digital blueprint this value matches the value of the **Total Data Count** field.

Application	Total Data Count	Relevant Data Count
		Type 2 Transformation object where some of the counted instances are related to a company code, but some are not. In this case, the following logic applies: • All records that aren't related to a company code are included in this field as a baseline amount, and they cannot be removed. • The value coming from records that are related to a company code can be changed by adjusting the scoping decision in the **Select Company Codes** app. • Overall, this value is made up of all instances that are not related to a company code plus all instances that are related to company codes which are currently in scope.
		Type 3 Transformation object where none of the counted instances are related to a company code. In this case, this field displays the value of the **Total Data Count** field.
Digital Blueprint Overview	The total data count of company codes and transformation objects. It is based on the uploaded analysis file, and the value never changes. If there is no transformation object related to a company code, this value is always 0 for that item.	Always shows the data count currently in scope.

Hints Logic

Learn about the hints available in SAP Business Transformation Center.

Hints are dynamically changing messages that suggest certain actions regarding your digital blueprint. They are supported in the following apps:

- Select Company Codes
- Select Transformation Objects
- Manage Digital Blueprints

Based on your current configuration, you can receive any of the following hints:

Application	Scenario	Hint text

Application	Scenario	Hint text
These hints are available in the following apps: Manage Digital Blueprints Select Transformation Objects	This hint is displayed for a transformation object that is included in scope but for which all associated records have been taken out of scope (there is data in the total data count, but the relevant data count is zero).	Based on the current company codes in scope, there is no data available for this transformation object. We recommend taking it out of scope. Be aware: due to business requirements, it might be necessary to keep this business object in scope.
	This hint is displayed for a transformation object that is included in scope but has no associated data records (both the total data count and relevant data count are zero).	There is no data available for this transformation object. We recommend taking it out of scope.
	This hint is displayed for a transformation object that was removed from scope but has data records associated with it (both the total data count and relevant data count are not zero).	The transformation object has been taken out of scope while data is available for it. Please verify your decision. Warning: removing data with existing dependencies may cause inconsistencies in the system.
These hints are available in the following apps: Manage Digital Blueprints Select Company Codes	This hint is displayed for a company code that is included in scope but has no related transformation objects and no associated data (the total data count is zero).	No data was found that could be associated with this company code. We recommend taking this company code out of scope. Be aware: due to business requirements, it might be necessary to keep this company code in scope.
	This hint is displayed for a company code that is included in scope, but where all associated transformation objects were removed from scope, so there is no relevant data to migrate (the relevant data count is zero).	All transformation objects with data that could be associated with this company code have been taken out of scope. Therefore, there is currently no relevant data in this company code. Please consider also taking the company code out of scope. Be aware: due to business requirements, it might be necessary to keep this company code in scope.
	This hint is displayed for a company code with the following properties: • It is included in scope. • It contains at least one associated transformation object which is also in scope. • It contains at least one open item. • It has not had any recent activity (no new activity in over 1 year before the readiness check).	No FI documents have been created for this company code since <MMM DD, YYYY> (last activity date), however, it has associated open items. Please check first whether they can be closed. If so, you can take this company code out of scope. Be aware: due to business requirements, some of the data may need to be retained.

Application	Scenario	Hint text
	This hint is displayed for a company code that is included in scope and contains associated transformation objects but has not been updated in over 1 year before the readiness check.	No FI documents have been created for this company code since <MMM DD, YYYY> (last activity date). This could indicate that the company code is no longer active. Please consider taking it out of scope. Be aware: due to business requirements, some of the data may need to be retained.
	This hint is displayed for a company code that is included in scope and has associated transformation objects but has had no recent activity (within the same year as the readiness check).	No FI documents have been created for this company code since <MMM DD, YYYY> (last activity date). Please check if you still want to keep the data for this company code in scope. Be aware: due to business requirements, some of the data may need to be retained.
	This hint is displayed for a company code that was removed from scope but has had recent activity (within the same year as the readiness check).	There is recent activity in this company code, are you sure you want to take it out of scope?
	This hint is displayed for a company code that was removed from scope and has had no recent activity but has at least one associated open item.	Please note that there are some open items associated with this company code. Even though no new FI documents have been created for this company code since <MMM DD, YYYY> (last activity date), please check if you want to keep the whole company code in scope. Be aware: due to business requirements, some of the data may need to be retained.
	This hint is displayed for a company code that is included in scope and has associated transformation objects but has no recorded activity.	No FI documents have been created for this company code. Please check if you still want to keep the data for this company code in scope. Be aware: due to business requirements, some of the data may need to be retained.

ABAP Custom Code to SAP BTP

The **ABAP Custom Code to SAP BTP** app provides detailed instructions for how to migrate ABAP custom code applications from SAP ERP to the SAP Business Technology Platform (BTP) ABAP environment.

SAP Business Transformation Center aims to provide a platform for a variety of migration processes in addition to its primary function (business data migration). ABAP custom code to SAP BTP migration is the first use case of SAP Business Transformation Center facilitating the migration of ABAP applications.

The Migration Process

The app lists the necessary prerequisites and covers all stages of the migration:

1. The scoping process to determine the scope of data to be migrated.

2. Custom code analysis to ensure that it is adapted to the new environment.

3. The migration process itself.

4. The adaptation of the custom code to the SAP BTP environment.

Additional Resources

In this section, you can find more information on the migration process.

Finding Help

SAP Cloud ALM offers different types of assistance to guide you through additional configuration activities and to help you understand the capabilities of SAP Business Transformation Center apps.

In-App Help

Each app in SAP Business Transformation Center provides on-screen explanations of key features and user interface elements. When you're signed in, you can switch on the help by choosing *(Open Help)* at the top right of the screen, or by pressing F1 on your keyboard.

The following types of help are available:

- **(Help Topics)**: Quick reference information about specific user interface elements to help you perform your tasks
- **(Guided Tours)**: Guided tours of more complex procedures (Available in the SAP Cloud ALM launchpad, not within the individual apps)
- **(What's New)**: Information about new features (Available in the SAP Cloud ALM launchpad, not within the individual apps)

SAP Help Portal

You can find an overview of all related documentation at SAP Business Transformation Center .

Accessibility

To optimize your experience of SAP Cloud ALM, we provide features and settings that help you use the software efficiently. Learn more about these features and settings and find out how to use them.

i Note

SAP Cloud ALM is based on SAPUI5. For this reason, accessibility features for SAPUI5 also apply. See the accessibility documentation for SAPUI5 on SAP Help Portal at Accessibility for End Users.

For more information on screen reader support and keyboard shortcuts, see Screen-Reader Support for SAPUI5 Controls and Keyboard Handling for SAPUI5 Elements.

Use High Contrast Black Theme

SAP Cloud ALM offers a high contrast black theme.

Context

This feature is recommended for users with need for high contrast themes.

Steps

1. In the header toolbar, choose Your Name > Settings.
2. Under Appearance, select the theme High Contrast Black.
3. Once you've saved your changes, SAP Cloud ALM refreshes with the theme of your choice.

Data Protection and Privacy

Data protection is associated with numerous legal requirements and privacy concerns.

In addition to compliance with general data protection and privacy acts, it's necessary to consider compliance with industry-specific legislation in different countries. SAP provides specific features and functions to support compliance with regard to relevant legal requirements, including data protection. SAP doesn't give any advice on whether these features and functions are the best method to support company, industry, regional, or country-specific requirements.

Furthermore, this information shouldn't be taken as advice or a recommendation regarding additional features that would be required in specific IT environments. Decisions related to data protection must be made on a case-by-case basis, considering the given system landscape and the applicable legal requirements.

Note

SAP doesn't provide legal advice in any form. SAP software supports data protection compliance by providing security features and specific data protection-relevant functions, such as simplified blocking and deletion of personal data. In many cases, compliance with applicable data protection and privacy laws won't be covered by a product feature. Definitions and other terms used in this document aren't taken from a particular legal source.

SAP Cloud ALM is compliant with DSGVO and GDPR.

EU and NS2 Access

EU access, which restricts the processing of personal data to EEA/Switzerland, isn't available.

NS2 access, which restricts the processing of personal data to the USA, isn't available.

For more information, refer to SAP Business Technology Platform – Regions.

User Data from SAP Cloud ALM

The following types of personal data are stored in SAP Cloud ALM:

- First and last name
- Email address
- User ID

Hyperscalers, on which SAP products are running, can't access personal data.

Finding User Data

A user with the **User Administrator** role can find all user data in the **User Management** app in SAP Cloud ALM.

Apart from this user record, personal data in SAP Cloud ALM exists in form of personalization configuration and in relation to application objects (such as projects, tasks, and alerts). These objects have their own lifetime and retention periods, independent of the users.

Deleting or Deactivating User Data

To protect the personal data of offboarded users, the user administrator can deactivate the user record within SAP Cloud ALM. If the SAP BTP account is integrated into a central identity management via the Identity Provisioning service, this also happens automatically if the user is deleted from the Identity Authentication tenant. To keep the link between application objects and users even after a user was offboarded, the user-related data is kept for auditability purposes (for example, to see who performed a particular task, executed a test case, or made a certain configuration).

However, this automatic deactivation is done only after a grace period of 30 days. This prevents an accidental automatic user deactivation while changing the settings in the Identity Authentication service. During this period, deactivated users aren't authorized to use SAP Cloud ALM, but their personal settings and tasks assignments are still valid after changing the settings in the Identity Authentication service.

When a user is deactivated in SAP Cloud ALM, all role assignments to the user are deleted and personalized data is removed. The person-related data of deactivated users is only visible for users with the role **User Administrator** or **Global Auditor**. To all other users, the deactivated user is anonymized.

The user's identity in the identity provider and a mapping of user groups to roles (if available) aren't affected by this. Therefore, if the user is still active in the Identity Authentication tenant and still has authorizations, for example, because of a group mapping, a deactivated user can still sign in to SAP Cloud ALM. In this case, the user is reactivated and the personal data becomes visible again to all users in the respective SAP Cloud ALM applications.

User records can also be deleted by the user administrator after the deactivation. However, deletion isn't recommended when the user has worked in SAP Cloud ALM, since it's more difficult to trace back actions to the user. Dependent data, that is, application objects that the user has worked on, have their own lifetime and are deleted according to their own deletion concept.

Only if the SAP Cloud ALM account is closed and deleted, all data is deleted as well.

User Data from Managed Systems

If you've set up integrations with other SAP solutions or third-party applications, some user-related data from the managed systems may be stored in SAP Cloud ALM.

Hyperscalers, on which SAP products are running, can't access personal data.

Transport Management

Once you've enabled transport management, and transport data (transport request information) is pushed from the managed system, the transport owner ID is stored in SAP Cloud ALM. No further data related to the transport owner is stored.

The transport owner ID is usually not known in SAP Cloud ALM and therefore can't be found in the **User Management** app. It's only displayed in the **Features** app.

ⓘ Note

The master data is subject to the lifecycle in the managed system.

SAP Cloud ALM for Operations

- User-related data that is collected from managed systems as part of the monitoring data, for example in the **Integration and Exception Monitoring**, **Business Process Monitoring**, and **Real User Monitoring** apps, can only be accessed by users with roles with a sensitive scope and API calls with sensitive scopes.
- The **Configuration & Security Analysis** app collects configuration data and a few config stores contain user IDs.
- The **Intelligent Event Processing** app collects personal data only in the context of SAP BTP alert messages.

Within standard memory usage, this user-related monitoring data is considered transient data because it's only visible in SAP Cloud ALM for the duration of the defined retention period. Once the retention period is over, all user-related data from managed systems is deleted and not aggregated. For this reason, the retrieval and manual deletion of user-related monitoring data is currently not supported.

More Information

For a full list of SAP Cloud ALM applications collecting personal data, refer to KBA 3429058.

Email Notifications in SAP Cloud ALM

There are two different ways in which email notifications are handled in SAP Cloud ALM.

In-App Notifications

Email notifications for in-app notifications, which are used predominantly for SAP Cloud ALM for implementation, can be set up centrally by following Enabling Email Channel for In-App Notifications.

Once this email channel is enabled, every user can configure for themselves in their profile settings if and for which notification types they want to receive emails. If users no longer want to receive email notifications, they can adjust their notification settings at any time.

Notifications from SAP Cloud ALM for Operations

Email notifications for SAP Cloud ALM for operations applications are managed in the **Notification Management** app. They can be set up for both named users (that is, users that are maintained in the Identity Authentication tenant) and for unnamed users. Only the recipient email ID is stored in SAP Cloud ALM.

Giving Consent

As soon as new recipients are added to the notification management, they receive an email from **cloudalm-notification@sap.com**, requesting them to verify their email ID and to offer consent to store their email ID and receive notification emails from SAP Cloud ALM.

Once given, the consent is valid for 6 months. Shortly before their consent expires, recipients can renew their own subscription.

Recipients can unsubscribe from notifications at any time by choosing **Unsubscribe** in the footer of any email sent by the **Notification Management** app.

Housekeeping

Recipients who are not required are deleted once every 10 days. This includes:

- Recipients who unsubscribed
- Recipients who were added but did not offer consent to receive emails
- Recipients whose consent expired

Change Log and Audit Log

Change Log

In SAP Cloud ALM, only the **User Management** app contains master data. This app uses change logging for all changes to its data, such as changes of authorizations and user master data.

Change logging in SAP Cloud ALM is implemented on application level and reflects changes, such as the date and time of the access and the change, and new and old values of the changed attributes.

SAP Audit Log Viewer Service for SAP BTP

The SAP Audit Log Viewer service records the following information:

- **Security event log**: Security events in SAP Cloud ALM applications
- **Changes to personal data**: All changes to the user master data
- **Read access to sensitive personal data**: No application in SAP Cloud ALM stores sensitive personal data.
- **Configuration changes**: For some applications, configuration changes are registered in the SAP Audit Log Viewer service. For example, changes to project teams in **Projects and Setup** are registered.

Audit log entries are automatically deleted after a defined retention period. For information about audit log retention, see Audit Log Retention for the Cloud Foundry Environment in the SAP BTP documentation.

You can access the audit log of SAP Cloud ALM with the SAP Audit Log Viewer service. For information about subscribing to the viewer and authorizing your business users to access the log, refer to Audit Log Viewer for the Cloud Foundry Environment in the SAP BTP documentation.

Security

For security-related information, see the following sources of information:

- Security for SAP BTP, Cloud Foundry Runtime
- Security for SAP BTP

Network and Communication Security

SAP Cloud ALM uses encrypted communication channels based on HTTPS/TLS, supporting TLS version 1.2 or higher.

For more information see Security.