PUBLIC

Selective Data Transfer

From SAP Solution Manager to SAP Cloud ALM

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What is Selective Data Transfer?

The selective data transfer (SDT) is the process of transferring specific and relevant data from SAP Solution Manager 7.2 or Focused Build for SAP Solution Manager 2.0 to SAP Cloud ALM.

As SAP Cloud ALM is the go-to platform for Application Lifecycle Management (ALM) for all SAP customers, we recommend you complete the transition to SAP Cloud ALM, and we support you with it. You can already move to SAP Cloud ALM for Operations and Service without transferring data. Move to SAP Cloud ALM for Implementation at your own pace, once the required functionality is ready for you. The selective data transfer is a one-time event, rather than an ongoing synchronization of content between the two systems. You can perform a single data transfer based on a specific solution, branch, and scope. The **Selective Data Transfer** app provided in SAP Solution Manager offers various reports and functionalities to facilitate the seamless transfer of data to SAP Cloud ALM.

With this app you can move relevant data from SAP Solution Manager and Focused Build to SAP Cloud ALM, while allowing flexibility in modifying the data during the transfer process. This approach allows you to combine the redesign of your Application Lifecycle Management (ALM) processes with the retention of important data, ensuring the protection of your investments.

SAP Readiness Check additionally helps you to identify functional requirements and define priorities aligned with project planning. Moreover, the SAP Cloud ALM transition roadmap based on the SAP Activate methodology guides you through the process.

The selective data transfer follows a file-based approach like the selective data transition that is used for transitioning from ECC and other legacy systems to SAP S/4HANA Cloud.

Though transferring data from SAP Solution Manager and Focused Build to SAP Cloud ALM is planned as a one-time activity, it involves several steps. To understand which data from which area in SAP Solution Manager and Focused Build can be transferred to the respective area in SAP Cloud ALM, see Transition to SAP Cloud ALM for Implementation on SAP Support Portal.

Applications that are in scope of the selective data transfer:

- SAP Solution Manager 7.2: Process Management
- Focused Build 2.0: Test Step Designer

SAP Solution Manager processes that are out of scope:

- Test Suite
- Requirements Management
- Change Control Management
- IT Service Management
- Reporting

SAP Solution Manager data that is out of scope:

- Alerting and Analytics Library
- Master data (e.g. landscape, business partners)
- Transactional and project-related data (e.g. test plans, change documents, Focused Build work packages and items)

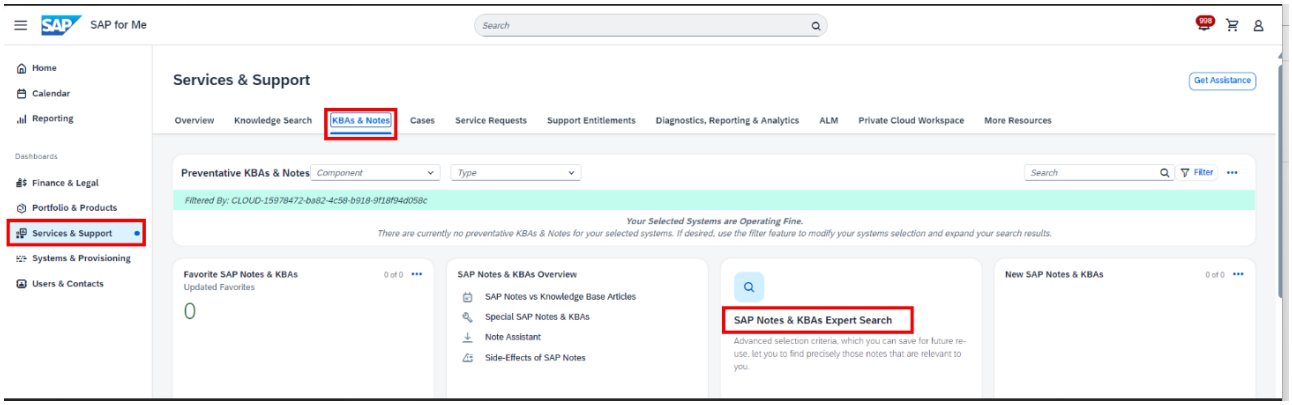
Focused Build data that is out of scope: Analytics data (e.g. Solution Readiness Dashboard)

For more information on the transition from SAP Solution Manager to SAP Cloud ALM, see SAP Support Portal. For an end-to-end description of the process of transferring data from SAP Solution Manager to SAP Cloud ALM, see our guide on SAP Help Portal. It's designed to provide you with clear, step-by-step instructions to streamline your workflow and ensure a smooth experience from start to finish.

This document provides you guidance on using the selective data transfer in SAP Solution Manager 7.2. It explains the purpose of SDT, the scope of data transfer, and step-by-step instructions on using the **Selective Data Transfer** application. The document covers how to find relevant SAP Notes, how to start the application, configure selections, and manage data extraction, transformation, and download processes. Additionally, it details the supported object types, limitations, logging, and data locking and unlocking functionalities. This guide ensures a structured and efficient usage of SAP Cloud ALM while preserving essential data from SAP Solution Manager.

How Do You Find Relevant SAP Notes?

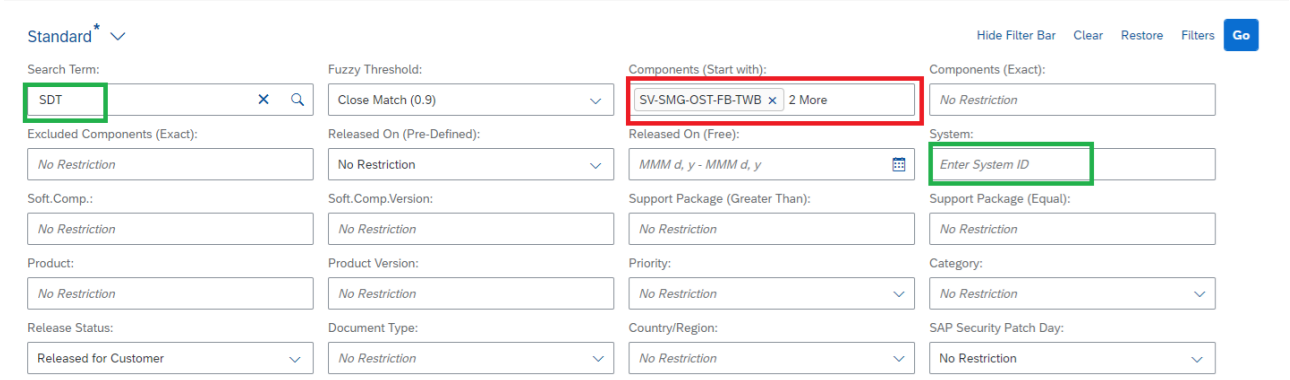
There may be a couple of SAP Notes that are relevant for the selective data transfer. You can find them on SAP for Me. Choose **Services & Support** and go to the **KBAs & Notes** tab. Then select the **SAP Notes & KBAs Expert Search** card.



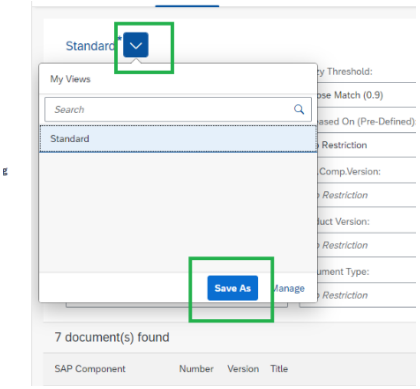
Specify the search values as follows:

- **Search Term**: SDT
- **Components (Start with)**: SV-SMG-IMP-BIM, SV-SMG-GAL (SV-SMG-OST-FB-TWB if you're using Focused Build).
- **System**

By specifying the system, the list should already be restricted to SAP Notes relevant for the corresponding support package.



You may save this selection and activate the notification to get informed as soon as new SAP Notes are available.



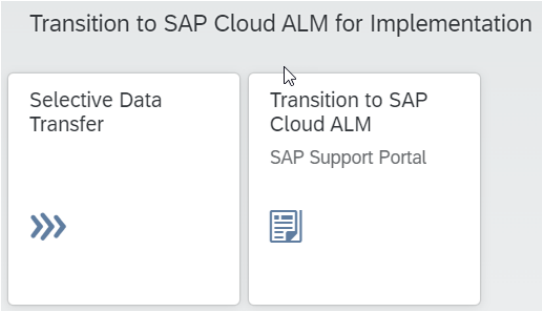
How Do You Start the Selective Data Transfer App?

The **Selective Data Transfer** app is downported to SAP Solution Manager 7.2 SP15 and Focused Build 2.0 SP10, so that you can apply SAP Note 3358439 from these versions onwards and start moving your data to SAP Cloud ALM without upgrading your system to a higher SP.

You can start the app using the transaction **SM_CALM_DT** in SAP Solution Manager.

Alternatively, you can open it from the updated SAP Solution Manager launchpad, which contains the new group **Transition to SAP Cloud ALM for Implementation**:

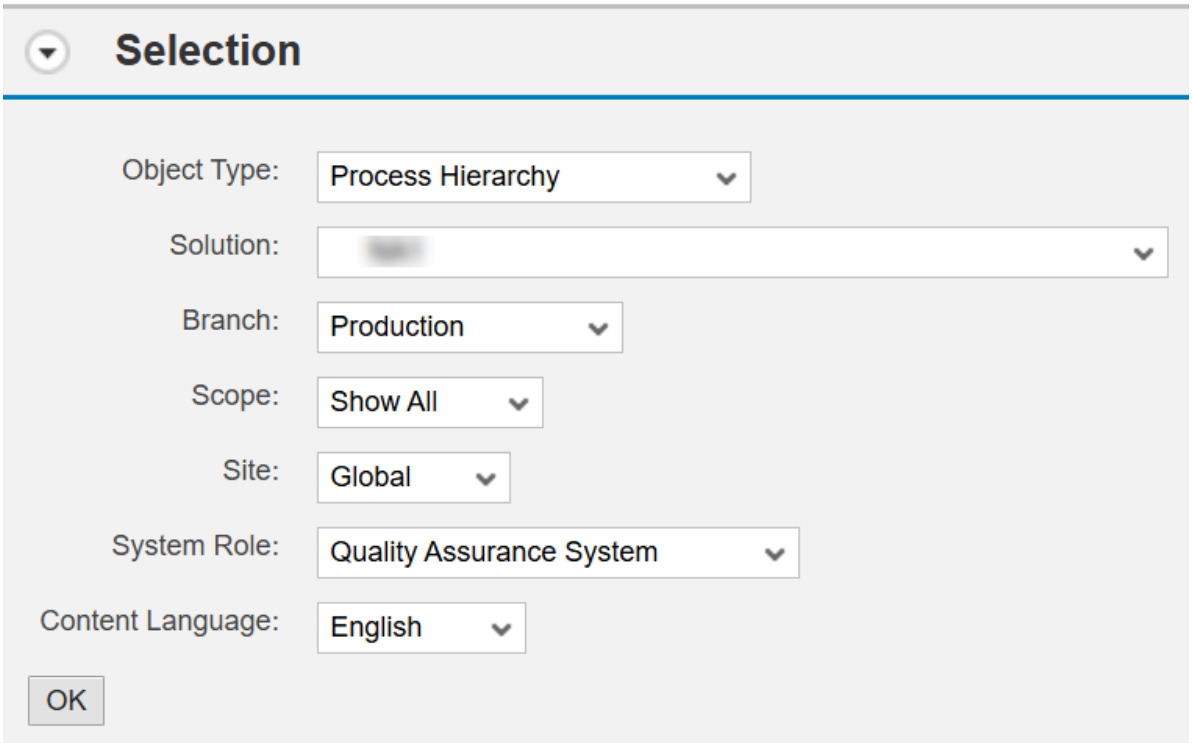
- **Selective Data Transfer**: Opens the app.
- **Transition to SAP Cloud ALM – SAP Support Portal**: Opens a page with the latest information on the topic.



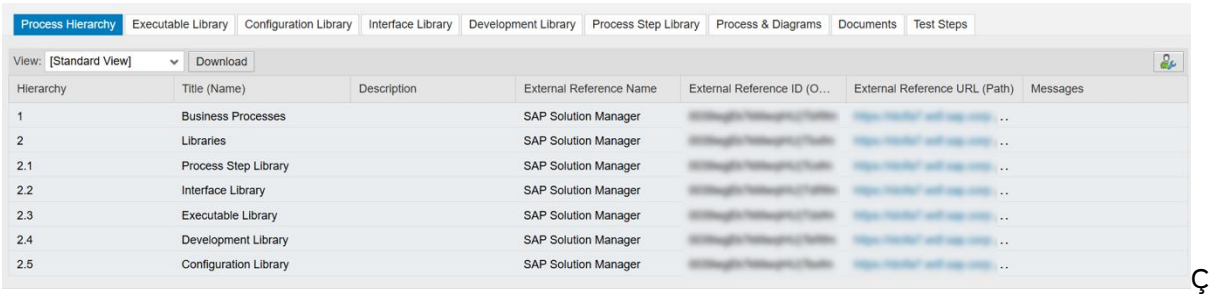
How Does the Application Work?

The application contains one area for input selection and another one to display the result in an ALV form.

1. In the **Selection** area, first select the type of data you want to transfer, such as **Process Hierarchy**, **Executable Library**, **Configuration Library**, **Interface Library**, **Development Library**, **Process Step Library**, **Process & Diagrams**, **Documents**, or **Test Steps**.
2. Choose the data you want to transfer based on various selection criteria such as **Solution**, **Branch**, **Scope**, **Site**, **System Role**, and **Content Language**.
3. Choose **OK** to generate a table of your selected data.



You see the generated table on the respective tab according to the object type you just selected.



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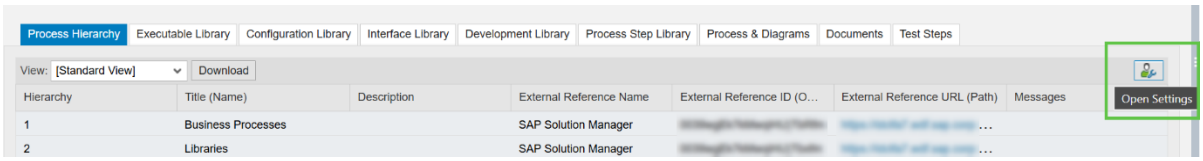
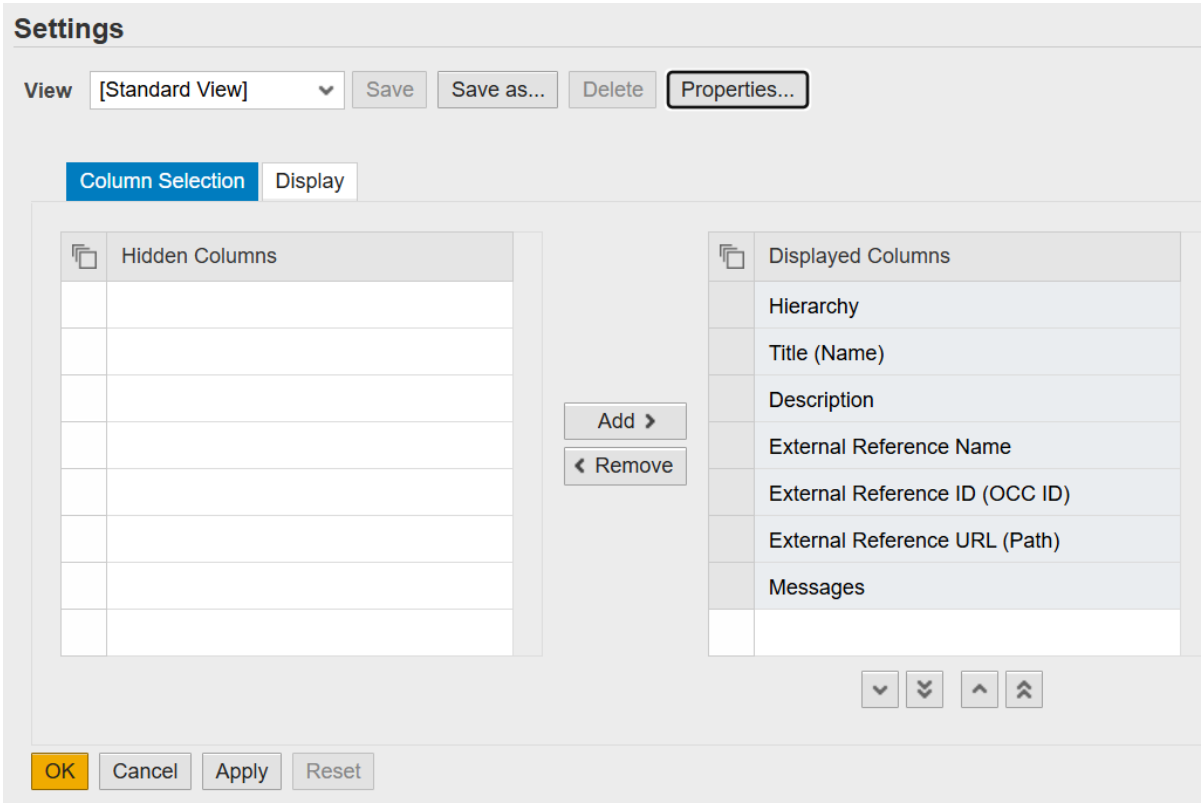
1. Choose **OK** to download a spreadsheet in Office Open XML format (XLSX) or choose **Open Settings** to filter, sort, select additional columns, and create your own layout.



The **Settings** view opens.



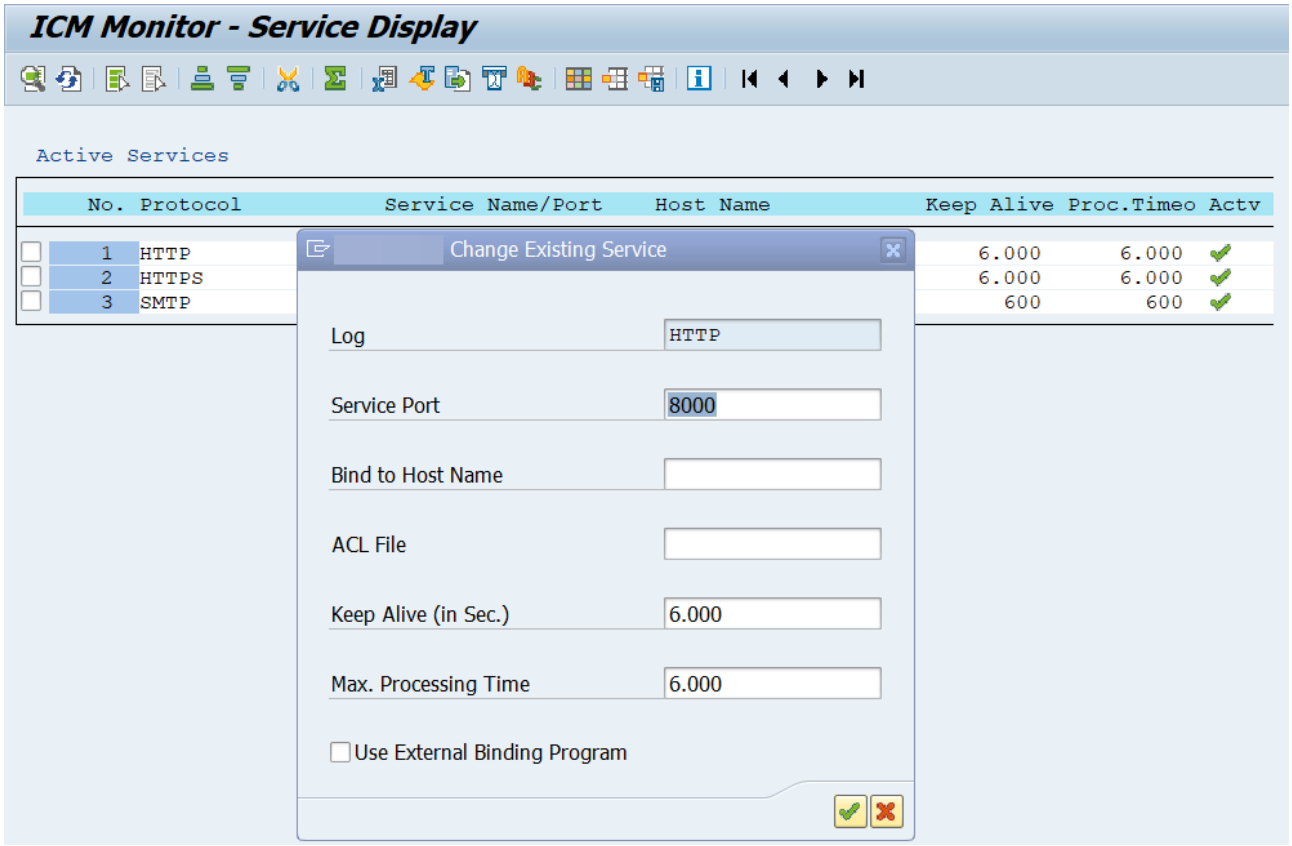
The sorting, filtering, and displaying functions of the ALV settings are not available if the object type involves hierarchical data (Process Hierarchy, Configuration Library, Interface Library and Process & Diagrams) or a single entity is represented by multiple lines (Test Steps).
Irrespective of the object type that is selected, each ALV table includes a **Messages** column. Check this column and ensure that the reported errors and warnings are fixed *before* the data is downloaded to a local storage.
Once the data quality is verified and finalized, download the selected data to a local storage. To do this, you need the authorization to do export activities in the auth object SM_SDOCADM. The data is downloaded as a spreadsheet in Office Open XML format (XLSX) to the default download path that is set for each browser. The file name is **objecttype_timestamp.xlsx**.
If the results exceed a certain limit, data is split into multiple spreadsheets in Office Open XML format (XLSX), zipped, and downloaded. In this case, the following naming convention is used:

- objecttype_timestamp_number.xlsx
- objecttype_timestamp.zip

Both the .zip and the .xlsx files in the zip have a time stamp.
Due to Data Protection and Privacy (DPP) guidelines, optional columns like **# Created By** and **# Changed By** are removed from the download in case they are added in the ALV.

Limitations

If your data exceeds certain limits, the process for collecting it might run into a timeout error (500 Connection timed out). By temporarily increasing the profile parameters, this limitation can be avoided.
Note that ICM and SAP Web Dispatcher have different timeouts. For more information, see Timeout Options for ICM and SAP Web Dispatcher.



Scope Handling

The selective data transfer in SAP Solution Manager allows you to control which elements are transferred based on the scope defined in **Solution Documentation** (transaction **SOLDOC**). Depending on how the scope is configured, the selective data transfer determines whether to include referenced or original library elements in the transfer.

Scope Usage in SOLDOC	How SDT Works	Best for...
Scope in Business Processes only	Determine all referenced library elements and show the library originals in the SDT result list	Selectively transferring only the library originals that are referenced
Scope in Both Business Processes & Libraries	Determine all referenced and original library elements and show the library originals in the SDT result list	Comprehensive transfer of both referenced and original elements
No Scope Used	Show all library originals in the SDT result list	Full library transfer without filtering
Scope in Libraries Only	Determine all library original elements and show the library originals in the SDT result list	When the transfer should be based solely on Library scope

Note: Create or choose the scope option that best fits your transfer needs to ensure efficient and structured data migration using the SDT.

Note: To ensure that all original library elements are included in the scope, you can use the Include Originals option during scope creation in Solution Documentation . This option enables you to include all original instances of library elements that belong to the selected structure elements.

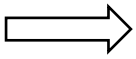
Mandatory and Optional Columns

The selected data is automatically grouped into mandatory columns and optional columns.

Mandatory columns are mainly the ones that can be used in SAP Cloud ALM. They are displayed by default. Optional columns are starting with a hashtag and are hidden as they aren't stored in SAP Cloud ALM. However, you can decide if you need to add optional columns in the ALV for the download. Optional columns will only be listed if for at least one result a value is maintained.

SAP Cloud ALM supports the upload of optional columns (SAP and customer attributes) via tags. For example, if you have defined a custom attribute in SAP Solution Manager as follows, you can define this attribute as tag group and tags in Tag Management in SAP Cloud ALM.

Attribute	Value
Sales Roles	Sales Clark Sales Manager Sales Assistant



Tag Group	Tag
Sales Roles	Sales Clark Sales Manager Sales Assistant

We recommend you to first get familiar with the Tag Management concept in SAP Cloud ALM to decide if it matches your expectations.

The number of mandatory columns may vary from one object type to another. If a column has multiple values, the **New Line Return** operator is used to separate them.

All mandatory columns reflect SAP Cloud ALM terminology.

If the mandatory column name differs from the name that is used in SAP Solution Manager or Focused Build, the original name from SAP Solution Manager or Focused Build is added in parenthesis after the SAP Cloud ALM name to understand the mapping of values from SAP Solution Manager or Focused Build to SAP Cloud ALM, for example: **External Reference ID (Occ ID)**.

For optional columns that are exported by SAP Solution Manager or Focused Build, but not (yet) needed in SAP Cloud ALM, a namespace prefix # is added, for example: **# Created At**.

User Information

Since SAP Cloud ALM doesn't support business partner (BP) users, columns like **Responsible** and **Owner** are filled with the email address of the BP user if it is maintained in the transaction **BP**. If it's not maintained, the field remains empty. If the BP is blocked, the BP value is ignored.

Instead of using the SAP attributes **Responsible** or **Owner**, you might have created your own attributes with the same data element of BP to store a BP user. In this case, these attributes are also filled with the email address. If you want these values to be considered as your **Owner** or **Responsible** in SAP Cloud ALM, after the download, you can decide to replace the value of the mandatory columns Responsible and Owner with the values of your attributes.

How Does the App Collect Data?

Irrespective of the object type, the app collects the data in the same manner, based on your further input in the **Selection** area. However, the type of data that is collected highly depends on the object type.

You can see the data on the following tabs:

- **Process Hierarchy**
- **Configuration Library**
- **Development Library**
- **Executable Library**
- **Interface Library**
- **Process Step Library**
- **Process & Diagrams**
- **Documents**
- **Test Steps**

In the following, the tabs are described in more detail.

Process Hierarchy

For the **Process Hierarchy** object type, all folders, scenarios, org unit, and master data from the business processes root folder are collected. In addition, all folders from 5 libraries are included. If the option **Sorting Column Browser** is set in transaction **SOLDOC**, this setting is automatically considered while displaying the business processes. The following mandatory columns are displayed in the result:

- **Hierarchy**: hierarchical order
- **Title (Name)**
- **Description**
- **External Reference ID (OCC-ID)**: OCC ID of the object
- **External Reference Name**: SAP Solution Manager, constant value to inform SAP Cloud ALM of the data source
- **External Reference URL (Path)**: URL of solution documentation element
- **Messages**: errors or warnings generated during data collection

Note

You can only have a maximum of 10,000 rows (entries) in one download file. If it is exceeded, several files in Office Open XML Format (XLSX) are generated and zipped. However, we ensure that the entire hierarchy of business processes and each library are collected in a single file.

A scope is applied for business processes and library folders.

Limitations

The maximum depth for the process hierarchy levels in SAP Cloud ALM process management is 10. If you have maintained more than 10 levels in transaction **SOLDOC**, make sure that you move those affected elements within the permitted levels to avoid data loss before you download the header file.
The total number of process hierarchy nodes is limited to 25.000 in SAP Cloud ALM.

Folders from Alerting and Analytics are not included as they are out of scope.

Configuration Library

Under **Configuration Library**, all configuration unit originals and their elements from the configuration library folders are collected and displayed in a hierarchical structure.

The following mandatory columns are displayed in the result:

- **Hierarchy**
- **Type**
- **Title (Name)**
- **Category (Configuration Type)**
- **Object**
- **Landscape (Logical Component Group)**
- **Owner (Responsible)**: The email ID of a business partner is displayed if it is maintained in transaction BP. If not, the username that is maintained under the BP role Employee in transaction BP is used to retrieve the email ID from transaction SU01.
- **External Reference ID (OCC ID)**
- **External Reference Name**
- **External Reference URL (Path)**
- **Process Hierarchy External Reference ID**: If a configuration unit is referenced in any of the objects that are collected in the process hierarchy, the corresponding object's OCC ID is filled.
- **Configuration Unit External Reference ID**
- **Messages**: errors or warnings generated during data collection

Note

Based on the amount of data during the export, either a single file in Office Open XML Format (XLSX) or a zip file with several files in Office Open XML Format (XLSX) is generated and downloaded.

"Building Block" is not supported by Cloud ALM and will be transferred to "Configuration Unit<Orig>". A corresponding warning text will be added to column Message on the exported file.

Development Library

Under **Development Library**, all development elements from the development library folder are collected and displayed in an ALV table.

The following mandatory columns are displayed in the result:

- **Type**
- **Title (Name)**
- **Object**
- **Application URL**
- **Landscape (Logical Component Group)**
- **Owner (Responsible)**: The email ID of a business partner is displayed if it is maintained in transaction BP. If not, the username that is maintained under the BP role Employee in transaction BP is used to retrieve the email ID from transaction SU01.
- **External Reference ID (OCC ID)**
- **External Reference Name**
- **External Reference URL (Path)**
- **Process Hierarchy External Reference ID**: If a development element is referenced in any of the objects that are collected in the process hierarchy, the corresponding object's OCC ID is filled.
- **Configuration Unit External Reference ID**: If a development element is referenced to a configuration unit, the OCC ID of the configuration unit is displayed.
- **Messages**: errors or warnings generated during data collection

Note

Based on the amount of data during the export, either a single file in Office Open XML Format (XLSX) or a zip file with several files in Office Open XML Format (XLSX) is generated and downloaded.

The input selection **Scope** is now applied to the development library.

An application URL will be generated for the following element types:

- **Enhancement Implementation <Dev.Orig.>**
- **Classes/Interface <Dev.Orig.>**
- **Transaction <Dev.Orig.>**
- **Classic BAdI Implementation <Dev.Orig.>**
- **Include <Dev.Orig.>**
- **Function Module <Dev.Orig.>**
- **Program <Dev.Orig.>**
- **Structure <Dev.Orig.>**
- **Table <Dev.Orig.>**

Limitations

The application URL can't be generated for all development elements, e.g. **Package**, **Web Dynpro ABAP Application** and **Web Dynpro ABAP Appl. Config**.

Executable Library

Under **Executable Library**, all executable elements from the executable library folder are collected and displayed in an ALV table.

The following mandatory columns are displayed in the result:

- **Type**
- **Title (Name)**
- **Fiori ID**
- **Object**
- **Action**
- **Application URL**: direct URL of the executable element
- **Landscape (Logical Component Group)**
- **Owner (Responsible)**: The email ID of a business partner is displayed if it is maintained in transaction BP. If not, the username that is maintained under the BP role Employee in transaction BP is used to retrieve the email ID from transaction SU01.
- **External Reference ID (OCC ID)**
- **External Reference Name**
- **External Reference URL (Path)**
- **Process Hierarchy External Reference ID**: If an executable element is referenced in any of the objects that are collected in the process hierarchy, the corresponding object's OCC ID is filled.
- **Configuration Unit External Reference ID**: If an executable element has a reference to a configuration unit, the original OCC ID of the configuration unit is displayed.
- **Development External Reference ID**: If an executable element has a reference to a development element, the original OCC ID of the development element is displayed.
- **Messages**: errors or warnings generated during data collection

Note

Based on the amount of data during the export, either a single file in Office Open XML Format (XLSX) or a zip file with several files in Office Open XML Format (XLSX) is generated and downloaded.

Limitations

The application URL can't be generated for all executable elements, e.g. **Web Dynpro ABAP Application** and **Web Dynpro ABAP Appl. Config**.

Interface Library

Under **Interface Library**, all interfaces and composite interfaces, including interface steps from the interface library, are collected and displayed in a hierarchical order.

The following mandatory columns are displayed in the result:

- **Hierarchy**
- **Type**
- **Title (Name)**
- **Description**: If any formatting is maintained in the solution documentation, this is considered for the download. However, in the ALV only simple text is displayed.
- **Sending Landscape (Sending Log. Component Group)**
- **Receiving Landscape (Receiving Log. Component Group)**
- **Middleware Logical Component**
- **Owner (Responsible)**: The email ID of a business partner is displayed if it is maintained in transaction BP. If not, the username that is maintained under the BP role Employee in transaction BP is used to retrieve the email ID from transaction SU01.
- **Interface Technology**: A composite interface can have a reference to an interface. Therefore, in this column, the original OCC ID of the interface is displayed.
- **External Reference ID (OCC ID)**
- **External Reference Name**
- **External Reference URL (Path)**
- **Process Hierarchy External Reference ID**: Apart from an interface folder in the interface library, interfaces are not referenced in any other objects of process hierarchy. Therefore, for this column, the OCC ID of the interface folder is displayed, under which the interface is created.
- **Configuration Unit External Reference ID**: If an interface has a reference to a configuration unit, the original OCC ID of the configuration unit is displayed.
- **Development External Reference ID**: If an interface has a reference to a development element, the original OCC ID of the development element is displayed.
- **Application External Reference ID (Executable)**: If an interface has a reference to an executable element, the original OCC ID of the executable element is displayed.
- **Interface External Reference ID**
- **Messages**: errors or warnings generated during data collection

Note

Based on the amount of data during the export, either a single file in Office Open XML format (XLSX) or a zip file with several files in Office Open XML format (XLSX) is generated and downloaded.
The input selection Scope is now applied to the interface library.

Process Step Library

Under **Process Step Library**, all process steps in the process step library folders are collected and displayed in an ALV table.

The following mandatory columns are displayed in the result:

- **Type**
- **Title (Name)**
- **Description**: If any formatting is maintained in the solution documentation, this is considered for the download. However, in the ALV only simple text is displayed.
- **External Reference ID (OCC ID)**
- **External Reference Name**
- **External Reference URL (Path)**
- **Process Hierarchy External Reference ID**: Apart from the process steps folder in the process step library, process steps are not referenced in any other objects of process hierarchy. Therefore, in this column, the OCC ID of the process steps folder under which the process step is created, is displayed.
- **Configuration Unit External Reference ID**: If a process step (or its related process step references) has a reference to a configuration unit, the original OCC ID of the configuration unit is displayed.
- **Development External Reference ID**: If a process step (or its related process step references) has a reference to a development element, the original OCC ID of the development element is displayed.
- **Application External Reference ID (Executable)**: If a process step (or its related process step references) has a reference to an executable element, the original OCC ID of the executable element is displayed.
- **Messages**: errors or warnings generated during data collection

Note

Based on the amount of data during the export, either a single file in Office Open XML Format (XLSX) or a zip file with several files in Office Open XML Format (XLSX) is generated and downloaded.
The input selection Scope is now applied to the process step library.

Process & Diagrams

Under **Process & Diagrams**, all business processes together with process variants and diagrams are displayed in a hierarchical order.

The following mandatory columns are displayed in the result:

- **Hierarchy**
- **SAP Cloud ALM Type:** Refer to the table below.
- **Title (Name)**
- **Country/Region**
- **Description**: If any formatting is maintained in the solution documentation, this is considered for the download. However, in the ALV only simple text is displayed.
- **Business Process (Name)**
- **External Reference ID (OCC ID)**
- **External Reference Name**
- **External Reference URL (Path)**
- **BPMN Path**
- **JSON Path**
- **Responsible**: The email ID of a business partner is displayed if it is maintained in transaction BP. If not, the username that is maintained under the BP role Employee in transaction BP is used to retrieve the email ID from transaction SU01.
- **Process Hierarchy External Reference ID**: The OCC ID of the scenario is displayed, under which the process is created.
- **Process Link External Reference ID**
- **Configuration Unit External Reference ID**: If a process has a reference to a configuration unit, the original OCC ID of the configuration unit is displayed.
- **Development External Reference ID**: If a process has a reference to a development element, the original OCC ID of the development element is displayed.
- **Application External Reference ID (Executable)**: If a process has a reference to an executable element, the original OCC ID of the executable element is displayed.
- **Solution Activity External Reference ID (Process Step Library)**
- **Interface External Reference ID**: If a process has a reference to an interface, the original OCC ID of the interface is displayed.
- **Messages**: errors or warnings generated during data collection

One of the provided columns in the ALV table is **SAP Cloud ALM Type**. Based on this type, the result list is built, and other columns are filled accordingly:

SAP Cloud ALM Type	SAP Solution Manager Type	Title (Name)	Description	External Reference ID (OCC ID)	Solution Activity Original External ID
Solution Process	Process	Name of the process		Occ ID of the process	
Solution Process Flow	Dummy value and not available in solution documentation	Name of the process + Flow		No value	
Solution Process Flow Diagram	This can be built in 4 forms as below.				
	Automatically generated main diagram - using all process step references (resolved to their originals) that are part of the process.	Name of the process + Main	Automatically generated diagram for SAP Cloud ALM		All process references that are part of the process, resolved to their original OCC ID and listed here with new line operator
	All collaboration diagrams or process diagrams that are elements of the process	Title of the collaboration or process diagram	Description of the collaboration or process flow diagram	Diagram OCC ID	
	All process variants that are elements of the process, with diagram	Title of the variant + title of the first process or collaboration diagram	Description of the collaboration or process flow diagram	OCC ID of the first collaboration or process diagram	
	Process variants without diagram	Variant name	Description of the variant	OCC ID of the process variant	

When downloading diagram content, two file formats (JSON and BPMN) are provided. Both files are needed for uploading to SAP Cloud ALM. Based on the user selection, header data together with diagram content is downloaded in a ZIP file.

Limitations

Value chain diagrams, universal diagrams, and interface diagrams are not included in the download.

If a diagram contains a process step reference with a different name than the original, you receive a warning during the upload, and the diagram is created empty. To prevent this, adjust all process step references in SAP Solution Manager using **Distribute Changes To References** before downloading the diagrams.

When you delete a process step in SAP Solution Manager, it remains referenced in the diagram as greyed-out. It is removed only after you open and save the diagram again. During the upload, if the diagram contains activities not yet recognized by SAP Cloud ALM, the system automatically creates these activities. Therefore, uploading a diagram with deleted process steps to SAP Cloud ALM results in the deleted process step being created as a new activity, which becomes part of the diagram.

If the diagram files can't be generated, there is no path specified in the file in Office Open XML Format (XLSX). You can redo the download of BPMN and JSON files from the solution documentation (for each diagram) and then adjust the XLSX file and the ZIP folder to include the missing files. If this is not done, an empty diagram is created in SAP Cloud ALM.

Based on the amount of data during the export, either a single XLSX file or a ZIP file with several XLSX files is generated and downloaded.

Documents

Under **Documents**, all KW documents and document URLs are collected and displayed in an ALV table.

The **Documents** app in SAP Cloud ALM doesn't support all document types, priority, and status values that are available in **Solution Documentation** in SAP Solution Manager. Therefore, it is mandatory to map these three properties to the **Documents** app in SAP Cloud ALM.

By default, the application maps the values and displays them in two columns, one for **Solution Documentation** and another one for **Documents** in SAP Cloud ALM. You can change this default value by choosing **Mapping Properties**. You can also define a new priority value in case there is no value maintained at all in the solution documentation.

The following mandatory columns are displayed in the result:

- **Title (Name)**
- **Document Type**
- **Status**
- **Priority**
- **Owner**: Displays the email ID of the business partner that is maintained in the solution documentation as the owner of a document – if it is maintained in transaction BP. If not, the username of the employee data is used to retrieve the email ID from transaction SU01.
- **Responsible**: Displays the email ID of the business partner that is maintained in the solution documentation as the responsible of a document – if it is maintained in transaction BP. If not, the username of the employee data is used to retrieve the email ID from transaction SU01.
- **Content**: Contains the long text description of the node in solution documentation.
- **References**: the URL of the document itself. This URL points to either the SAP Solution Manager system or content server based on where the documents' content is located. In case of a document, this column has the format [Document File name] (KPRO Document URL). In case of a document URL, the column References has the following format: [Document URL title] (Document URL).
- **External Reference ID (Document ID)**
- **External Reference Name**
- **External Reference URL (Path)**
- **Process Hierarchy External Reference ID**: If a document is attached to any of the objects that are collected in the process hierarchy, the corresponding object's OCC ID is filled.
- **Configuration Unit External Reference ID**: If a document is attached to a configuration unit, the OCC ID of the configuration unit under which it is attached is displayed.
- **Development External Reference ID**: If a document is attached to a development element, the OCC ID of the development element is displayed.
- **Application External Reference ID (Executable)**: If a document is attached to an executable element, the original OCC ID of the executable element is displayed.
- **Solution Activity External Reference ID (Process Step Library)**
- **Interface External Reference ID**: If a document is attached to an interface, the original OCC ID of the interface is displayed.

- **Solution Processes External Reference ID (Business Processes)**: If a document is attached to a process, the original OCC ID of the process is displayed.
- **Solution Process Flow Diagram External Reference ID (Diagram)**: If a document is attached to a diagram, the original OCC ID of the diagram is displayed.
- **Messages**: errors or warnings generated during data collection

Limitations

When the data exceeds 1,000 documents, it is downloaded into several files in Office Open XML format (XLSX) and zipped. If you have more than 10,000 documents, you will get a progress bar to avoid the 500 Connection Timed Out browser error. For more information, please check section **Limitations** of **How Does the Application Work?**

Download Document Content

If you want to move your document content out of SAP Solution Manager completely into any of your local share folder or any other sharing tool, you can use the **Download Document Content** function to download content under the **Documents** tab. A pop-up window is displayed with the default settings based on the input selection of the selective data transfer. Choose **OK** to download the document content via SAP GUI Shortcut into the folder that you select. When downloading document content, take the following into consideration:

- Make sure that you run the SAP GUI Shortcut and then select the right download directory to store your documents from the **Browse for Files or Folders** pop-up window.
- All documents are downloaded into a single folder.
- Documents (both KW and test documents) are downloaded with the file name **Document Name-Language (in 2 characters)-Document ID**.
- Object types like **Best Practices**, **Test Configuration**, **Document URL**, and **Test Document URL** are removed while downloading.
- KW documents created via BPMN and SVG files from diagrams are also excluded.
- The history only records that the data download has been initiated. It doesn't inform you about the success of the download.
- If the download was successful, you get a message on the SAP GUI screen. Don't close the SAP GUI session before.

Replace KW URLs

To ensure that the XSLX export from SAP Solution Manager and import into SAP Cloud ALM contains the new URLs of the KW documents, use the **Replace KW URLs** function. Upload the XLSX file that contains the file name (with Document ID) and new URL. You can adjust the URLs before the download.

Supported file formats for URL replacement:

- Column A contains the file name (with Document ID) and new URL as hyperlink.
- Column A contains the file name (with Document ID) and column B contains the new URL.
- Note: When you download documents using **Download Document Content, t**he file name (with Document ID) is created automatically.

Job Documentation

Under Job Documentation, executables of type **Job Documentation** are collected and displayed in an ALV table. In SAP Solution Manager, the external object **Job Documentation** was handled as a type of executable. However, during the export in the selective data transfer, it isn't listed as part of the Executable Library but as part of the object type **Job Documentation**. You can import the exported Job Documentation in SAP Cloud ALM in the **Documents** app.

The attributes and documentation of a job document are converted to rich text during the export and stored as content in the document in SAP Cloud ALM. You can influence this rich text generation using BaDI SMCL_JOBDOC_CONTENT.

The following mandatory columns are displayed in the result:

- **Title (Name)**
- **Document Type**
- **Content**
- **Status**
- **Owner**
- **External Reference ID**
- **External Reference Name**
- **External Reference URL**
- **Process Hierarchy External Reference ID**: If a document is attached to any of the objects that are collected in the process hierarchy, the corresponding object's OCC ID is filled.
- **Configuration Unit External Reference ID**: If a document is attached to a configuration unit, the OCC ID of the configuration unit under which it is attached is displayed.
- **Development External Reference ID**: If a document is attached to a development element, the OCC ID of the development element is displayed.
- **Solution Activity External Reference ID (Process Step Library)**
- **Interface External Reference ID**: If a document is attached to an interface, the original OCC ID of the interface is displayed.
- **Solution Processes External Reference ID (Business Processes)**: If a document is attached to a process, the original OCC ID of the process is displayed.
- **Messages**: errors or warnings generated during data collection

Test Steps

The object type **Test Steps** is only available in the selective data transfer if the SAP Solution Manager add-on Focused Build and Focused Insights for SAP Solution Manager is also available in the system.

The output format is aligned to the consumable format of the **Test Preparation** app in SAP Cloud ALM.

The test steps data is mapped to the consumable test case content, optional attributes (such as test-case-specific or custom attributes), and information about related entities for which external reference IDs are provided. These external reference IDs are used to reconstruct the relationships during the import.

The output format contains the following main information:

- **Test Case Name**: unique name of a test case
- **Test Case Status**: SAP Cloud ALM status values In Preparation or Prepared, based on the Released flag of the document status
- **Test Case Priority**: SAP Cloud ALM priority values based on the mapping for document priority
- **Test Case Owner**: Contains email address maintained in transaction BP of the business partner assigned as owner to the test steps test case. If no email address is maintained, the email address of the related user ID from transaction SU01 will be used.
- **Test Case References**: URL and name of attachment in following format: [Name](URL)
- **Activity Title**: description of the main step
- **Activity Target Name**: name of the executable that's assigned to the main step
- **Activity Target URL**: URL of the executable that's assigned to the main step
- **Activity Target External Reference ID**: OCC ID of an executable representing an external reference ID in the executable library
- **Action Title**: description of a main step or sub step
- **Action Instructions**: instructions of a main step or sub step
- **Action Expected Result**: expected result of a main step or sub step
- **Action Evidence**: indicator if evidence is required
- **Action References**: URL and name of attachment in following format: [Name](URL)
- **External Reference Name**
- **External Reference ID**: unique identifier for the test case of type Test Steps
- **External Reference URL**: URL to the test case in Test Steps Designer
- **External Reference Step ID**: unique identifier for a step in a test case of type Test Steps
- **Process Hierarchy External Reference ID**
- **Application External Reference ID**
- **Solution Activity External Reference ID**
- **Interface External Reference ID**
- **Solution Process External Reference ID**
- **Solution Process Flow Diagram External Reference ID**
- **Messages**: errors or warnings generated during data collection

Note

Based on the amount of data during the export, either a single file in Office Open XML spreadsheet format (XLSX) or a ZIP file with several XLSX files is generated and downloaded.

Test Steps attachment

You can also download physical files of the attachments using **Download Attachment Content.** You need to manually move them to a new storage. To ensure that the XSLX export from SAP Solution Manager and import into SAP Cloud ALM contains the new URLs of the attachment documents, use the **Replace Attachment URLs** function. Upload the XLSX file that contains the file name and new URL. You can adjust URLs before the download.

Supported file formats for URL replacement:

- Column A contains the file name and new URL as hyperlink.
- Column A contains the file name and column B contains the new URL.

Limitations

The following extended functionalities are currently not part of the selective data transfer for test steps:

- Multi-language support
- Result attributes
- Test steps parameters
- Attributes of Test Steps <Ref.> nodes in solution documentation

When you see the 500 Connection Timed Out browser error, check the **Limitations** section in **How Does the Application Work?**

Logging and Tracing

Whether the data is displayed or downloaded, each action that is performed in the **Selective Data Transfer** app is automatically recorded. You can check it under **Display History**.

It includes information like who runs the application, the date, and time.

All historical data is displayed irrespective of the user.

In addition, log details are captured in **SLG1** under object **SMUD** and subobject **MIGRATION**.

Locking and Unlocking

If you download all relevant header data and document content from SAP Solution Manager and Focused Build and upload it to SAP Cloud ALM, you can decide to lock the solution from the **Selective Data Transfer** app. If you want to edit your solution again, you can unlock the solution at your own convenience.

To lock and unlock, you need the following activities in the auth object **SM_SDOCADM**:

- **ACTVT 05** to lock
- **ACTVT 95** to unlock