

Data Transformation: Fixed Asset Master Data SAP Business ByDesign to SAP S/4HANA Cloud Public Edition Guide

For SAP Cloud Integration

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1. Introduction

In this guide you shall learn how to consume the integration flow to transform data of an object in SAP Business ByDesign into a form suitable and acceptable by SAP S/4HANA Cloud Public Edition.

1.1. Definition

This integration flow is an accelerator that transforms the standard data of 'Fixed Asset' object in SAP Business ByDesign into the SAP S/4HANA Cloud Public Edition's migration template of object 'Fixed Asset Master'.

1.2. Intended Audience

This integration flow is intended to be used by both partners and customers who are in the data migration phase of their implementation project of moving their SAP Business ByDesign system to SAP S/4HANA Cloud Public Edition system. This integration flow shall act as an accelerator to kick start and speed up your data migration task. However, it does not cover all attributes and mappings, hence enhance it as per your requirement.

1.3. Structure

The structure of this guide follows the sequence of steps required to consume the integration flow for the purpose of data transformation using SAP Integration Suite service on SAP BTP.

1.4. System Connectivity

To use this integration flow you don't have to connect your SAP Business ByDesign system or SAP S/4HANA Cloud system to SAP Integration Suite. The data extracted from SAP Business ByDesign is passed to SAP Integration Suite over HTTPS and the data prepared as output is a file that can be taken manually and uploaded in SAP S/4HANA Cloud Public Edition via Migration Cockpit.

1.5. Additional Documentation

You may refer to these topics via links to gain insights into various topics you need to know before using the integration flow.

SAP Integration Suite

<https://help.sap.com/docs/cloud-integration/sap-cloud-integration/sap-cloud-integration?version=Cloud>

SAP Business ByDesign Data Extraction

https://help.sap.com/docs/SAP_BUSINESS_BYDESIGN/2754875d2d2a403f95e58a41a9c7d6de/2bff33a5722d10148b06d3479e04c151.html?version=2002

SAP S/4HANA Cloud Public Edition Migration Cockpit

https://help.sap.com/docs/SAP_S4HANA_CLOUD/d5699934e7004d048c4801b552f3b013/f32db0c240484241abc53a876253e118.html?version=2408.500

Technical Data Migration SAP Business ByDesign to SAP S/4HANA Cloud

https://microlearning.opensap.com/playlist/dedicated/173270151/1_pbgmmbae/1_5sd5rzw

Setting up Required systems and Users

https://microlearning.opensap.com/playlist/dedicated/173270151/1_pbgmmbae/1_efeqbz74

2. Business Scenario

Customers who are looking to migrate from SAP Business ByDesign ERP system to SAP S/4HANA Cloud Public Edition ERP system need an easy data migration path to save time and effort on data migration activities which is quite intensive.

With this intention SAP has delivered the mapping of data fields from SAP Business ByDesign Fixed Asset object to SAP S/4HANA Cloud Public Edition equivalent object as part of this integration flow. The end result of the integration flow will provide you Fixed Asset Master data file that is in the form of SAP S/4HANA Cloud Public Edition's product migration template. You shall upload this file via Migration Cockpit in SAP S/4HANA Cloud Public Edition. This helps you to save effort and prepare the file easily for upload.

3. Prerequisites

To consume the integration flow you should have the following things done

- a) Set up account in SAP BTP and subscribe to SAP Integration Suite service.
- b) Set up required user roles and authorization in SAP BTP subaccount
- c) Set up the required capabilities in SAP Integration Suite to trigger integration flow.
- d) Have authorisation to the Data Extraction functionality in SAP Business ByDesign
- e) Have authorisation to the Migration Cockpit app in SAP S/4HANA Cloud Public Edition

Please refer to the links mentioned above to complete the prerequisites.

4. Consumption of integration flow

Follow the steps below to transform your data and upload to SAP S/4HANA Cloud Public Edition.

4.1. Prepare for Data Transformation

To consume the integration flow for transformation you need to prepare the data that you want to transform. You should extract the required Fixed Asset data from SAP Business ByDesign.

Follow the steps below for preparation. You can refer to the [learning session](#) to understand in details

- a. **Extract the data from SAP Business ByDesign:** Fixed Asset master data is extracted from the SAP Business ByDesign system using the report *Fixed Assets – Master Data*. Follow these steps to prepare the data for the Fixed Asset- Master integration flow.

Prerequisite:

- The user should have access to the Fixed Asset Work Center in SAP Business ByDesign system.
 - User should have the date format DD.MM.YYYY. if the date format is different user shall change it to the said format by navigating to *User->MySettings->Date*.
- i. Login to Business by Design system (where the data is residing) and on the left menu navigate to Fixed Assets-> Report List. Click on the report *Fixed Asset – Master Data* to open it.
 - ii. Pass the values for the following selection parameters in the report as mentioned below in the table. Additionally, you can filter out the fixed assets that are not required to be migrated to target system. Hence you can set the values of the parameter “Fixed Asset Life Cycle Status” as per your requirement.

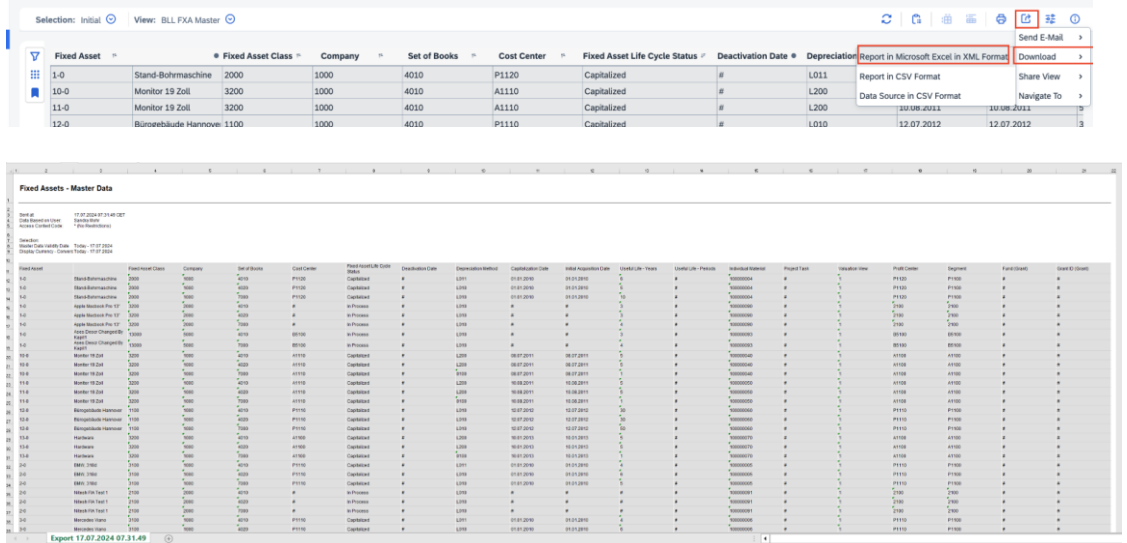
Selection Parameter Name	Value
Master Data Validity Date	Today - 11.07.2024
Display Currency - Conversion Date	Today - 11.07.2024
Fixed Asset Life Cycle Status	<<as per requirement>>

- iii. Define a view for the report with the following list of result parameters:

Result Parameter Name
Fixed Asset (both ID and Description)
Fixed Asset Class (only ID)
Company (only ID)
Set of Books (only ID)
Cost Center (only ID)
Fixed Asset Life Cycle Status (only ID)
Depreciation Method (only ID)
Deactivation Date
Capitalization Date
Initial Acquisition Date
Useful Life - Years
Useful Life - Periods
Project Task (only ID)
Valuation View (only ID)
Profit Center (only ID)
Segment (only ID)
Fund (Grant) (only ID)
Grant ID (Grant) (only ID)

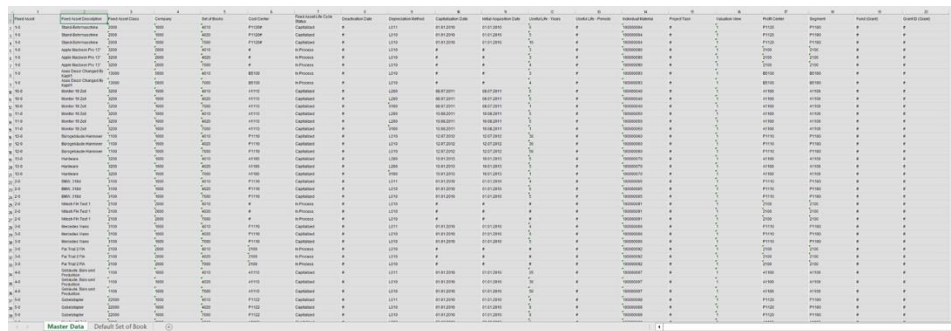
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iv. Execute the report and download the data into XML file.



v. Open the downloaded XML file in Microsoft Excel and modify the format as described below to finalize the fixed asset master data file for the iflow.

- Delete the rows 1 to 10 from the sheet in the file so that the result data starts from row 1 in the file as shown below.
- Delete all columns starting from column V
- Give a name to the column for the description of fixed asset as **“Fixed Asset Description”**
- Rename the sheet name to **“Master Data”**



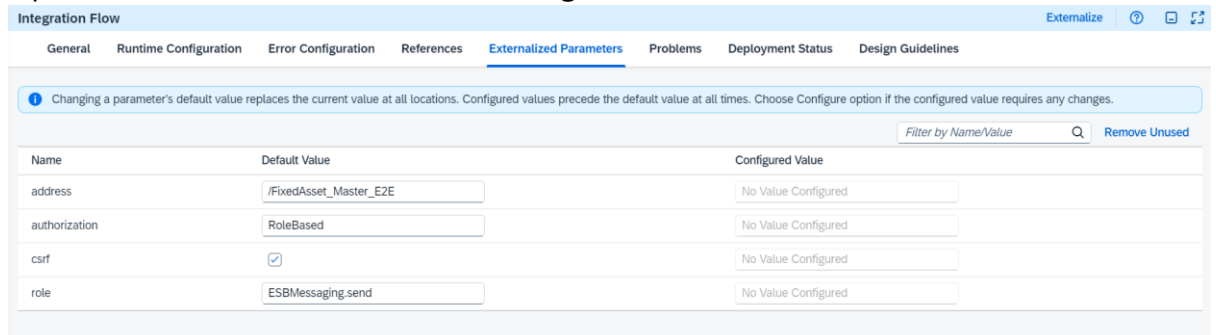
- vi. Add another sheet and name it as **“Default Set of Book”**.
- vii. The sheet **“Default Set of Book”** defines the default set of books for each company code as shown in the picture below. Add field **“Company ID”** in column A, Row 1 and field **“Default Set of Book ID”** in Column B, Row 1. Enter data starting from row 2. Make sure to have the same columns and rows number when defining the data.

	A	B	C	D
1	Company ID	Default Set of Book ID		
2	1000	7000		
3	2000	4020		
4	5000	4010		
5				
6				
7				

◀ ▶
Master Data
Default Set of Book

viii. Save the XML file with all the changes. Convert it into a ZIP file. This ZIP file should be fed to the iflow for transformation.

- b. **Create a migration project** in S/4 HANA public cloud and make sure you have added the migration object *Fixed Asset – Master Data* to the project.
- c. Login to SAP Cloud Integration and search for the package “**SAP Business ByDesign Master Data Transformation to SAP S/4HANA Cloud Public Edition**”. Open and copy the package into your workspace.
- d. Open the Integration flow “Fixed Asset Master Data Transformation” from your workspace and click on Edit.
- e. Open the *Externalized Parameters* setting and remove the check box for *csrf*.



- f. Deploy the integration flow. Refer to the [learning session](#) for details.
- g. After successful deployment of integration flow, make a note of the End Point URL generated. Refer to the [learning session](#) for details.

4.2. Transform Data

Once the data preparation is done you are ready to execute the integration flow. To consume the integration flow, follow the steps below. For details you can refer to this [learning session](#).

- a. Set up an application to trigger the integration flow e.g., Postman.
- b. Create a POST HTTP request, provide the user credentials, and upload the extracted ZIP file in the body of the request.
- c. Send the request to the end point URL of integration flow. This will trigger the integration flow and start the data transformation. As a result, you shall receive a response file back from your triggering application.

4.3. Post Transformation

Once the response file is received follow the below steps:

- a. Save the response ZIP file received.
- b. Extract the ZIP package and open the XML file in Microsoft Excel. Click on save. Close the file.
- c. This is the file that should be taken to SAP S/4HANA Cloud Public Edition migration project and uploaded. For details on uploading a file via migration cockpit in SAP S/4HANA Cloud Public Edition refer to this [help document](#).

5. Customization and Enhancement of integration flow

You can customize the mapping or enhance the integration flow as per your requirement. For details on customization, you can refer to these tutorials:

- [Tutorial 1](#): Customizing standard integration flows for data migration from SAP Business ByDesign to SAP S/4HANA Cloud Public Edition.
- [Tutorial 2](#): Updating data structure in integration flows for data migration from SAP Business ByDesign to SAP S/4HANA Cloud Public Edition.

6. Contact Information

Email:

DL_66604530AF3F4B0136989F8F@global.corp.sap

Support Ticket Component:

CA-SH4-BYD-IFLOW