



Syniti Solutions

Importing Datasets and Mapping into Migrate



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Overview

Syniti Migrate includes dataset design and mapping import functionality. The process associated with this functionality should be used to import existing dataset design and mappings from other systems or prepared content packs.

This document will detail the process for setting up Syniti Migrate and importing dataset design and mapping information.

The information to be ingested can be just the dataset design or it can include mapping information.

Prerequisites

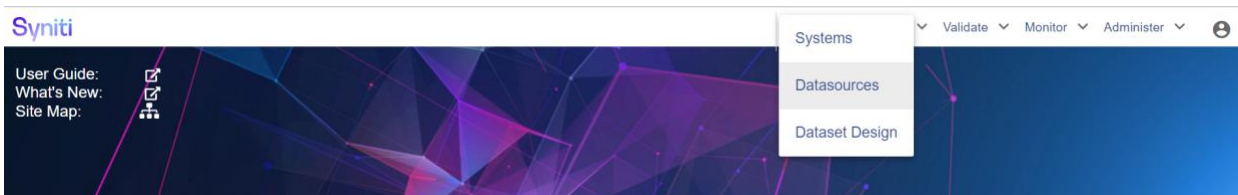
Syniti Migrate includes dataset design and mapping import functionality. The process associated with this functionality should

- Microsoft Excel (or spreadsheet editing software to edit .xlsx files)
- Mapping Import file (Excel document)
- Access to Syniti Migrate (Administer menu)

Confirm or Set Up Datasource

A valid, source system **Datasource** has been defined for the legacy ECC system to be mapped from. In this example, we will be using a source snapshot Datasource **SRCECC**.

To check, in Syniti Migrate, go to **Catalog → Datasources**



Under Show*, select **Datasources**. Navigate to **SRCECC** to confirm it is set up.



The screenshot shows the Syniti interface. On the left, the 'Datasources (36)' list has 'SRCECC' highlighted. On the right, the 'Datasource Tables (3)' table lists:

Name	Description	Active	References
KNA1		On	0
MARA		On	0
SKAT		On	0

Add the target table(s) and metadata to the datasource

In this example, we will add *MARC* to the *SRCECC* datasource.

Click on the + sign in the **Datasource Tables** pane

The screenshot shows the Syniti interface with the '+' sign in the 'Datasource Tables (3)' header highlighted. The table below shows:

Name	Description	Active	References
KNA1		On	0
MARA		On	67
SKAT		On	0

Enter the name of the **Source Table** to add. In this case, the source table to import is *MARC*. The **Schema** (e.g. *dbo*) should default and/or match the schema as defined for the datasource DB connection.

Click on **Import Table**.

The 'Import Table' dialog box shows the following fields:

- System Datasource: SAP
- Schema: dbo
- Source Table: MARC

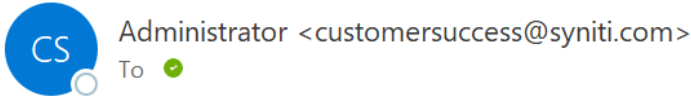
The 'IMPORT TABLE' button is highlighted with a red circle.



A job will be created in the job queue to import the metadata for the source table. Once that job is complete, you will receive an email and be able to see the imported metadata (i.e. source table columns) when refresh or you click on the table again in the **Datasource Tables** pane.

Note, for multiple tables, you will need to add Datasource Tables individually repeating the above steps.

Job: Import Metadata for SAP.MARC completed with status: COMPLETE



Process completed: 2 steps attempted. 0 errors occurred.

The screenshot shows the Syniti web interface. On the left is a sidebar with a list of 'Datasources (36)'. The main area is split into two panes. The top pane is titled 'Datasource Tables (4)' and contains a table with columns: Name, Description, Active, References, and Owner. The bottom pane is titled 'Datasource Columns (215)' and contains a table with columns: Index, Name, Description, Data Type, Length, Key Field, Nullable, Encrypt, and Deleted. The 'MARC' table is highlighted in the top pane, and its columns are visible in the bottom pane.

Name	Description	Active	References	Owner
KNA1		<input checked="" type="checkbox"/>	0	
MARA		<input checked="" type="checkbox"/>	67	
MARC		<input checked="" type="checkbox"/>	0	
SKAT		<input checked="" type="checkbox"/>	0	

Index	Name	Description	Data Type	Length	Key Field	Nullable	Encrypt	Deleted
100	MANDT		nvarchar	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
200	MATNR		nvarchar	18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
300	WERKS		nvarchar	4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
400	PSTAT		nvarchar	15	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
500	LVORM		nvarchar	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

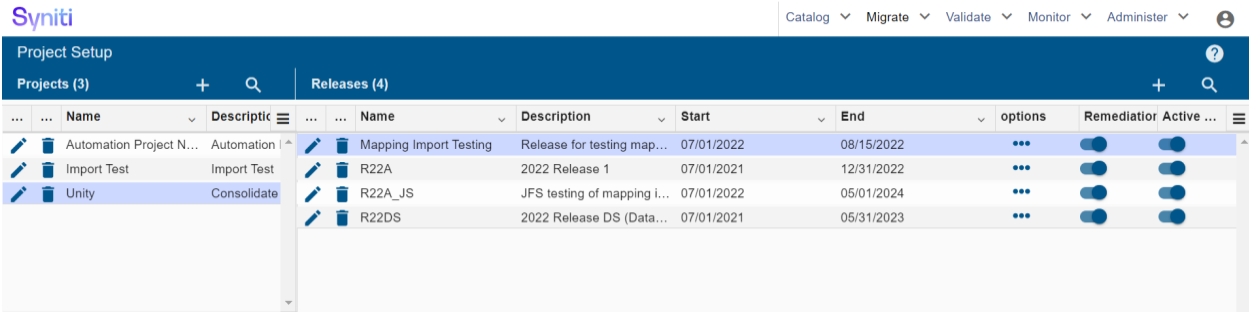
Project Setup

In this example, we are using the **Unity** project and **Mapping Import Testing** release. For information on how to set up a Project and Release, please refer to the Syniti Migrate online documentation.

To check the Project Hierarchy and Setup, go to **Migrate → Project Setup**

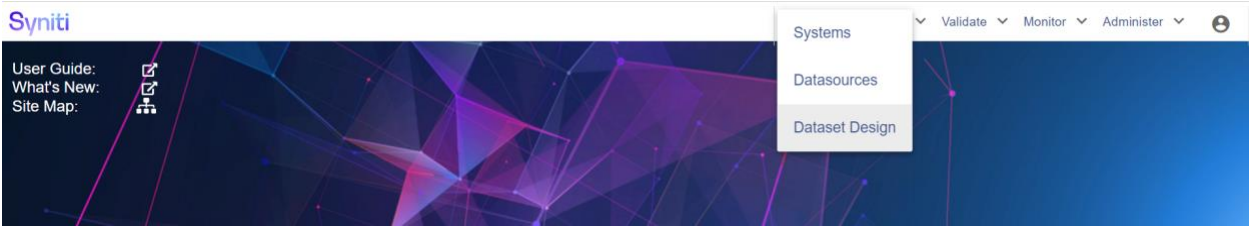


Confirm **Unity** project and **Mapping Import Testing** release is set up. Or, create your own Project Hierarchy as required.

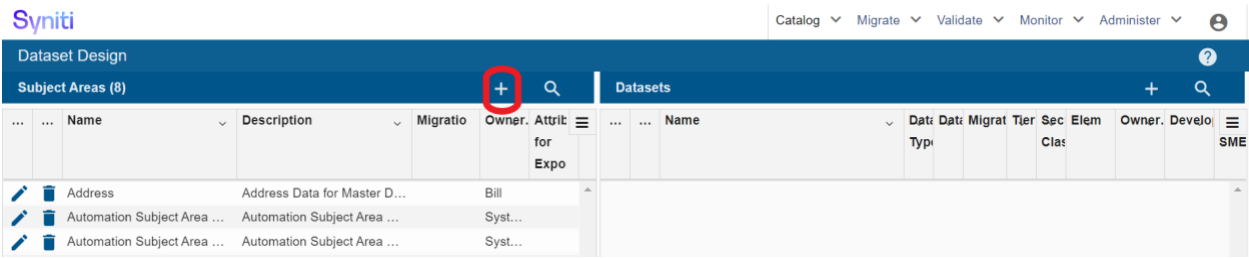


Create Subject Area

To define **Subject Area**, go to **Catalog** → **Dataset Design**



Under **Subject Area**, click on **+**



Fill out Subject Area **Name**, **Description**, **Owner**. Make sure **Active** and **Migration Specific** is toggled on. Click **Save**.

Here, we created the **SAM01MM** subject area to group our Materials Management target datasets.

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Syniti

Subject Area 📄 ✕ ?

Details

Name *
SAM01MM

Description
Materials Management

Active

Is Migration Specific

Stakeholders

Owner *
thi.vuj 🔗

Add the Subject Area to the Release

Once the **Subject Area** has been created, we now need to go back and add it to the **Release** under **Project Setup**



Click + on the **Release** pane



The screenshot shows the Syniti Project Setup interface. The top navigation bar includes 'Catalog', 'Migrate', 'Validate', 'Monitor', and 'Administer'. The main area is divided into 'Projects (3)' and 'Releases (4)'. The 'Releases' table lists the following data:

Name	Description	Start	End	options	Remediator	Active
Mapping Import Testing	Release for testing map...	07/01/2022	08/15/2022	...	On	On
R22A	2022 Release 1	07/01/2021	12/31/2022	...	On	On
R22A_JS	JFS testing of mapping i...	07/01/2022	05/01/2024	...	On	On
R22DS	2022 Release DS (Data...	07/01/2021	05/31/2023	...	On	On

Below the releases table, there are sections for 'Milestones', 'Deployments', and 'Subject Areas'. The 'Subject Areas' section has a red circle around the '+' icon, indicating where to click to create a new subject area.

Select the **Subject Area** create earlier (e.g. **SAM01MM**) and the **Working Instance** to be used. Click **Save**.

The screenshot shows the 'Subject Area' configuration form. It includes the following fields:

- Subject Area: SAM01MM
- Working Instance: MDM (Default: WRKMDM)
- Release Subject Area: 00000000-0000-0000-0000-000000000000

Prepare Mapping Import File in Excel

Now, in Microsoft Excel, we need to prepare and customize import files by dataset (i.e. target table) from the content mapping file. We do this by copying and pasting the relevant mappings from the Excel content mapping file to a new file. For this, you will need the information from the Syniti Migrate setup below:

- Source Datsource:** SRCECC
- Project:** Unity
- Release:** Mapping Import Testing

In Microsoft Excel, open the content mapping file (e.g. ECC_S4_Base_Mapping_Import.xlsx). Filter by target table the mappings you wish to import. In this example, we will be importing the MARA table mappings.



The screenshot shows an Excel spreadsheet with a table of mappings. A filter menu is open over the table, showing a list of data sources with 'MARA' selected. The table has the following data:

	A	B	C	D	E
	Dataset Name - Must match exactly with an existing Data Set in Concento Deploy. Must be the same for all fields.	Target (Load) Order - Must be the same for each Target			Dataset Table Description
1					
2	DATASET_NAME	TARGET_INDEX	TARGET_DATASOURCE	TARGET_TABLE	TARGET_DESCRIPTION
21	EHS0010: Phrase Master	20	ESTPP	ESTPP	EHS: Phrase Item
22	EHS0010: Phrase Master	20	ESTPP	ESTPP	EHS: Phrase Item
23	EHS0010: Phrase Master	20	ESTPP	ESTPP	EHS: Phrase Item
24	EHS0010: Phrase Master	20	ESTPP	ESTPP	EHS: Phrase Item

Create a new Excel file with the specific object mappings (e.g. MARA) and save it as a new file.

Populate the the **PROJECT_NAME**, **RELEASE_NAME**, and **DATASOURCE** columns in the Excel sheet with the specific project and setup information from Syniti Migrate (e.g. **SRCECC**, **Unity**, **Mapping Import Testing**).

Save the Excel file.

Add Dataset(s) to Subject Area

Now that we have the Excel mapping import file ready, we are now ready to create and import individual datasets.

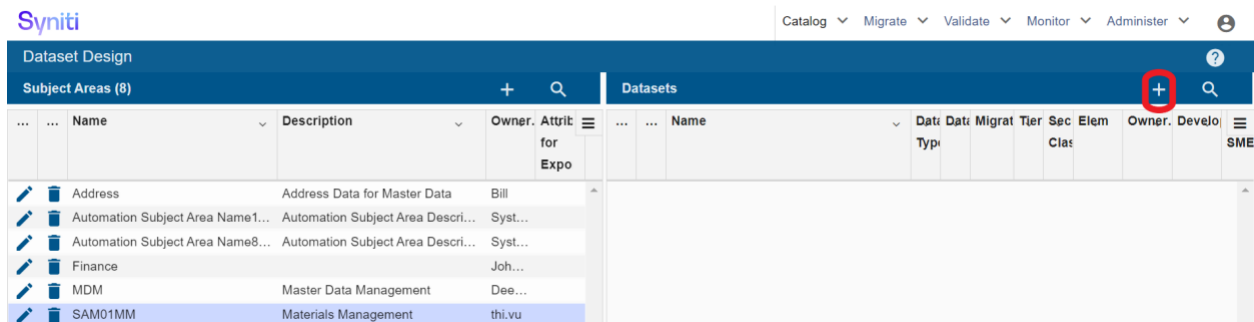
To add the individual datasets under the **Subject Area** created before, go to **Catalog** → **Dataset Design**

The screenshot shows the Syniti web application interface. The 'Dataset Design' menu option is highlighted in the 'Systems' dropdown menu.

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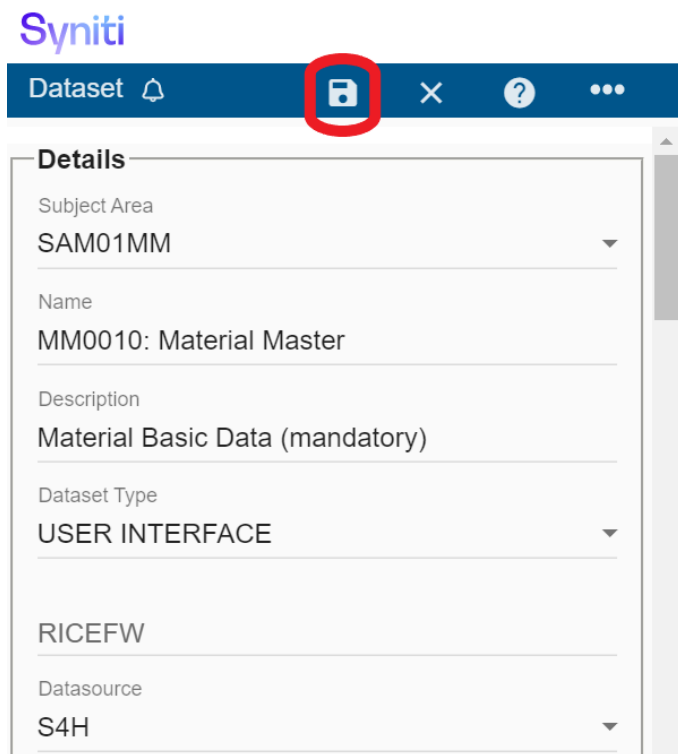
Click on + on the **Datasets** pane



Create a new dataset for target object (e.g. MARA) by populating the following mandatory fields:

- Subject Area (should default to subject area selected above)
- Name (use same name as DATASET_NAME in Excel mapping import file)
- Description (use TARGET_DESCRIPTION in Excel mapping import file)
- Datasource (use S4H for target datasource)
- Review Status: In Process
- Migration Prefix: MM

Click on the **Save** button





Import the Mapping into Syniti Migrate

With the target Dataset created, we are now ready to import the Mapping Import file

The screenshot shows the Syniti Dataset Design interface. On the left, there is a list of Subject Areas (8) including Address, Automation Subject Area Name1..., Automation Subject Area Name8..., Finance, MDM, SAM01MM (highlighted), SD, and test. On the right, there is a list of Datasets (1) with one entry: MM0010: Material Master. The interface includes navigation tabs at the top: Catalog, Migrate, Validate, Monitor, and Administer.

Navigate to **Administer** → **Mapping Import**

The screenshot shows the Syniti Administer interface. On the left, there are links for User Guide, What's New, and Site Map. On the right, there is a dropdown menu with the following options: Datasource Servers, Job Queues, Debug Log, Excel Import, and Mapping Import (highlighted). The interface includes navigation tabs at the top: Catalog, Migrate, Validate, Monitor, and Administer.

Select your Excel file to be imported.

The screenshot shows the Syniti Mapping Import interface. At the top, there are buttons for RESET and IMPORT. Below is a table with the following columns: DatasetName, TargetIndex, TargetDatasource, TargetTable, TargetDescription, DataElementIndex, DataElementName, DataElementDefini, Data Type, FieldLength, and Decr. The table contains 20 rows of data elements for the MM0010: Material Master dataset.

DatasetName	TargetIndex	TargetDatasource	TargetTable	TargetDescription	DataElementIndex	DataElementName	DataElementDefini	Data Type	FieldLength	Decr
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	AENAM	Name of person ...	NVARCHAR	12	0
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	ANP	ANP Code	NVARCHAR	9	0
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	BISMT	Old Material Nu...	NVARCHAR	40	0
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	BREIT	Width	DECIMAL	13	3
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	BRGEW	Gross Weight	DECIMAL	13	3
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	BSTME	Purchase Order ...	NVARCHAR	3	0
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	DATAB	Valid-From Date	NVARCHAR	8	0
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	EAN11	International Arti...	NVARCHAR	18	0
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	EKWSL	Purchasing Valu...	NVARCHAR	4	0
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	ETIAR	Label type	NVARCHAR	2	0
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	ETIFO	Label form	NVARCHAR	2	0
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	EXTWG	External Materia...	NVARCHAR	18	0
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	GEWEI	Weight Unit	NVARCHAR	3	0
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	GROES	Size/dimensions	NVARCHAR	32	0
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	HERKL	Country of Origl...	NVARCHAR	3	0
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	HOEHE	Height	DECIMAL	13	3
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	IPRKZ	Period Indicator ...	NVARCHAR	1	0
MM0010: Materi...	10	MARA	MARA	Material Basic D...	10	KZKFG	Configurable Ma...	NVARCHAR	1	0

Click on Import

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