

How-To Guide: DT Import (DIF) Doc for EAM Functional Location

Applies To

MDG EAM Solutions by Prometheus Group

Summary

MDG for EAM include standard implementations of the Data Importing Framework (DIF) that read the data from file which captured from other system. The data in the file can be saved to 'Active Area' directly or 'Staging Area' based on the options chosen in the Import Framework screen. The standard implementations support Key Mapping and Value Mapping.

This guide describes the necessary configuration steps for implementing DIF. This guide explains the Data Importing Framework for Functional Location. Same steps can be followed for other EAM objects.

You can perform most configuration tasks in Customizing for Master Data Governance under SAP Reference IMG > Cross Application Components > Processes and Tools for Enterprise Applications > Master Data Governance.

Additionally, you can use the following transactions:

- MDGIMG IMG Master Data Governance
- FILE-- Logical File Path Definition
- IDMIMG IMG Key Mapping

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Introduction

Data transfer represents a collection of functions and features that you can use to move master data and mapping information between systems and clients. Examples of these systems include existing ERP systems and your Master Data Governance hub system.

Steps for ALE Scenario Configuration

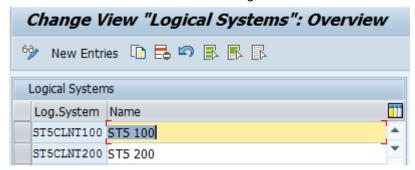
Note: The following configuration is required only when you want to generate XML file from IDOC.

This guide uses the system ST5 and its client 100 as Importing client and ST5 client 200 as exporting client. When you configure this scenario for your landscape, ensure you replace system ID and client ID with your own system data.

Define Logical Systems

Use the following to define a logical system:

- 1. Enter t-code code (t-code) BD54.
- 2. Click New entries to create a Logical System.
- Enter a name for the Logical System and a description.
 The Logical System names used throughout this example is MDG System S23 CLNT 100 as the source and S23 CLNT 200 as the target.

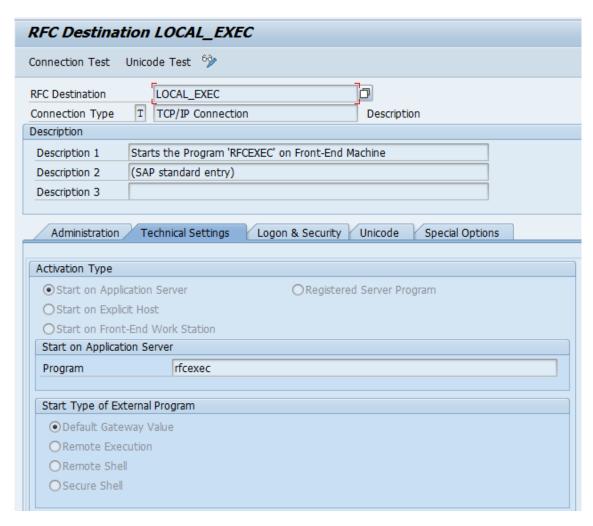


Define an RFC Connection

Use the following steps to define the RFC connection:

- 1. Run the t-code SALE. Navigate to tree menu Communication > Create RFC Connections or Run the t-code SM59 to create an RFC Connection.
- 2. Create an RFC connection using Connection Type T (Start External Program Using TCP/IP) into the same client:



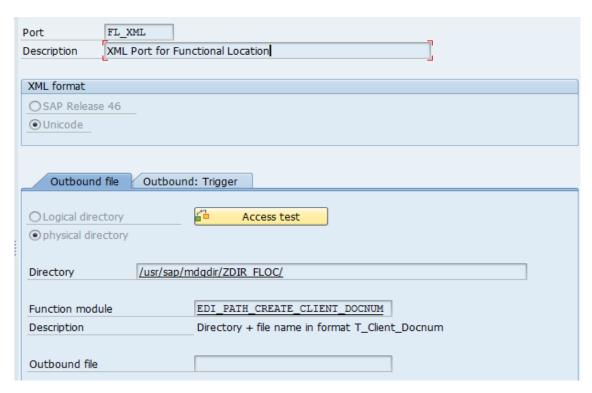


Define an XML Port

Use the following steps to define an XML Port:

- 1. Run the t-code WE21 > Create an XML File type port.
- 2. Create the single XML file type port for Functional Location.



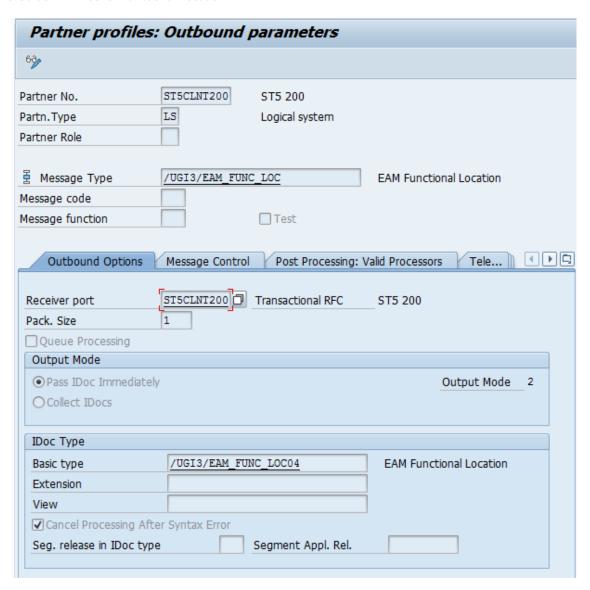


Define Partner Profiles

Run the t-code WE20 > Locate the MDG Client ST5CLNT100 under tree node Partner Profile LS > Maintain the settings for following message types under outbound options tab.

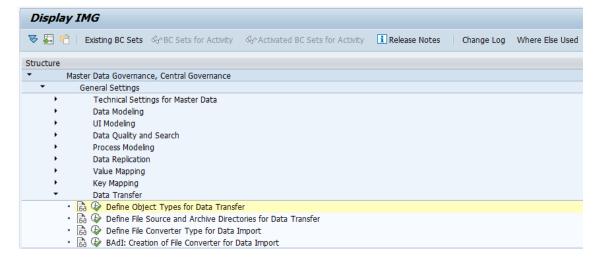
- /UGI3/EAM_FUNC_LOC
- CLFMAS
- /UGI3/LAMCLF
- ADRMAS



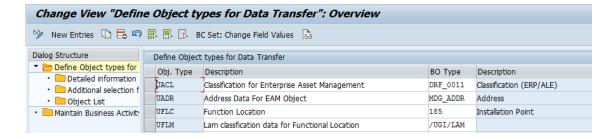


Define Object Types

Go to t-code MDGIMG > Master Data Governance > General Settings > Data Transfer > Select Node "Define Object Types for Data Transfer".

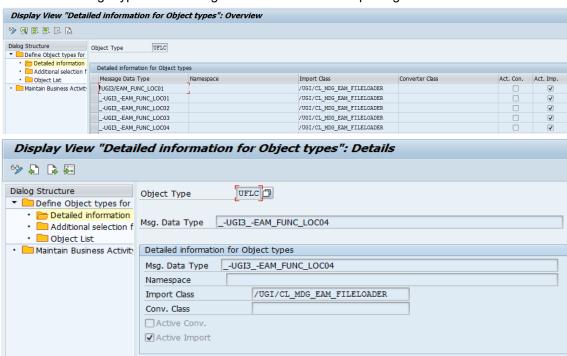






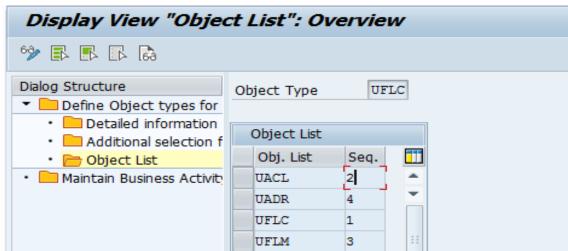
Use the following steps to set the Data Import Framework.

- 1. Click on sub-node "Detailed information for Object Types".
- 2. Enter the message types to be recognized in the file while importing the data.



Note: It is mandatory to click the checkbox for "Active Import" to enable Data Import framework.

3. Maintain Object List for Data Import.





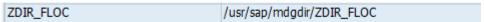
File Source and Archive Directories

To set up the data import, source and archive logical directories in the MDG Data Transfer Customizing activity needs to be defined.

The logical file name and the logical path should be maintained to get an appropriate physical file name and physical path name.

Use the following steps to define file source and archive directories:

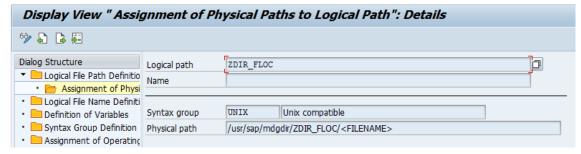
- 1. Define a Logical Path Name: First determine the target directory in which you want to create the archive files of a certain archiving object. The physical name of this directory is stored in a logical path name.
- 2. Define a Logical File Name: After creating the logical path name, you need to create a logical file name.
- Assign a Logical File Name to the archiving Object. Note: Contact BASIS for directory paths creation.
- 4. To assign directories as sources or archives, the physical directory paths must be created in the file system initially.
- Use the t-code SFILE to map them to logical names.Run the t-code AL11 to verify the directory path creation:



6. Run the t-code FILE to map directory path to logical names.

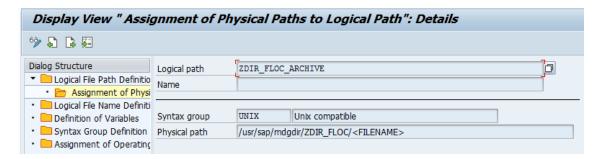


7. Assign physical path for ZDIR_FLOC.



8. Assign physical path for ZDIR_FLOC_ARCHIVE.

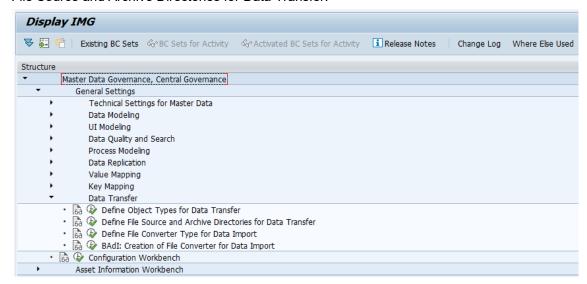




Defining Source and Logical Directories

Use the following steps to define source and logical directories:

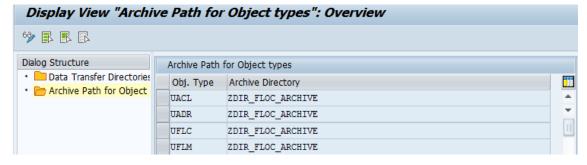
1. Go to t-code MDGIMG > Master data Governance > General Settings > Data Transfer > Define File Source and Archive Directories for Data Transfer.



1. Click on Data Transfer Directories > Maintain the Functional Location directory which is created in t-code FILE.



2. Click on Archive Path Object Types to maintain the archiving path of files used.

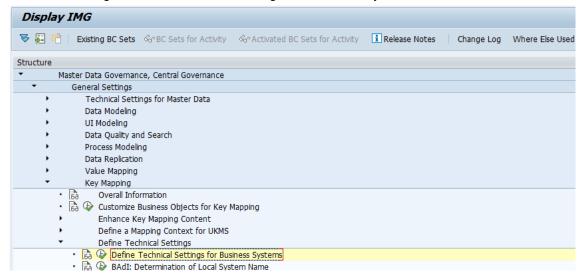




Define the Technical Settings for Business Systems

Use the following steps to define technical settings for Business Systems:

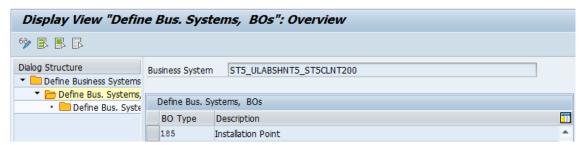
1. Run t-code MDGIMG->Master Data Governance > General settings > Key Mapping > Define Technical Settings > Define Technical Settings for Business Systems.



2. Define the Business system.



- 3. Add the Functional Location BO Type for the business system:
 - BO Types 185 (Functional Location)



4. For Harmonized scenarios, update the Communication Channel settings as explained in the following section:





Test Scenario for DIF - Functional Location

Use the following steps for Test Scenario for DIF:

- 1. Download the XML file in your local machine.
- 2. Go to t-code AL11 and get the directory name for file.

ZDIR_FLOC /usr/sap/mdgdir/ZDIR_FLOC

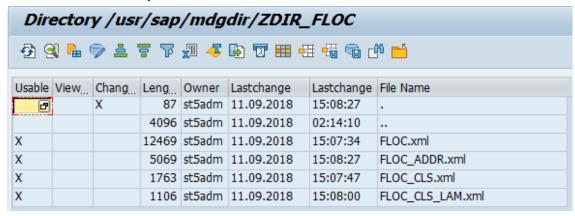
- 3. Open the directory and check if we can remove the unwanted files
- 4. Go to t-code CG3Z to upload the xml file. Enter the source file name and the target file name.
- 5. Click on Overwrite checkbox, to overwrite if file exist with same name.



6. Click on "Upload" button to upload the file in the specified location.

Note: Generation/Preparation of XML files in required format is at customer discretion

7. Check the AL11 directory for files.



Sample XML files are attached.





You can upload all the dependent entity data such as Address, Classification, LAM classification at one shot or one after other (with overwrite mode).

In our example, you have uploaded all the four xml files at shot with Manual processing option.

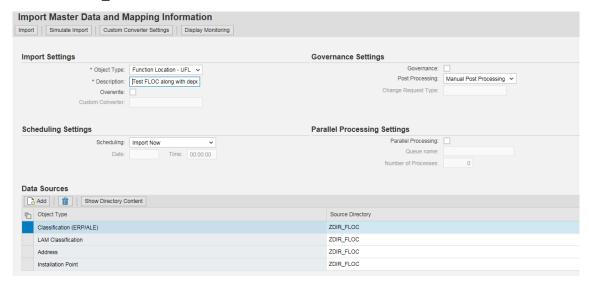
In case of Defined by Change Request without Governance, system creates data in backend unless there is an error then it creates a CR with data.

In case of Defined by change request + Governance - System puts the same data into a CR which can go through several steps of approvals based on customer requirement.

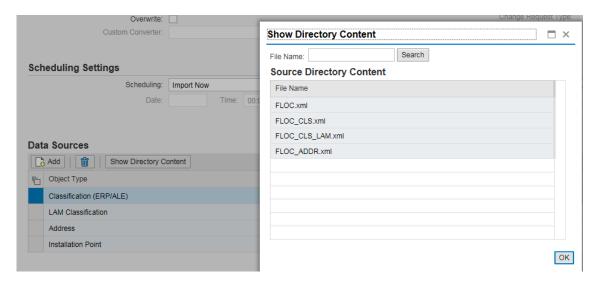
Data Import

Use the following steps to import data:

- 1. Navigate to the Data Exchange tab > Data load > Import Master data/Run t-code DTIMPORT.
- 2. Scenario 1- Manual Post Processing.
 - a. Enter the following details in the new Data Import screen.
 - Object type UFLC
 - Enter the Description
 - Select overwrite checkbox if you want the object to be overwritten
 - Select the Post Processing as Manual Post Processing
 - Data Sources Add the Object Type "Installation Point" and source directory ZDIR_FLOC





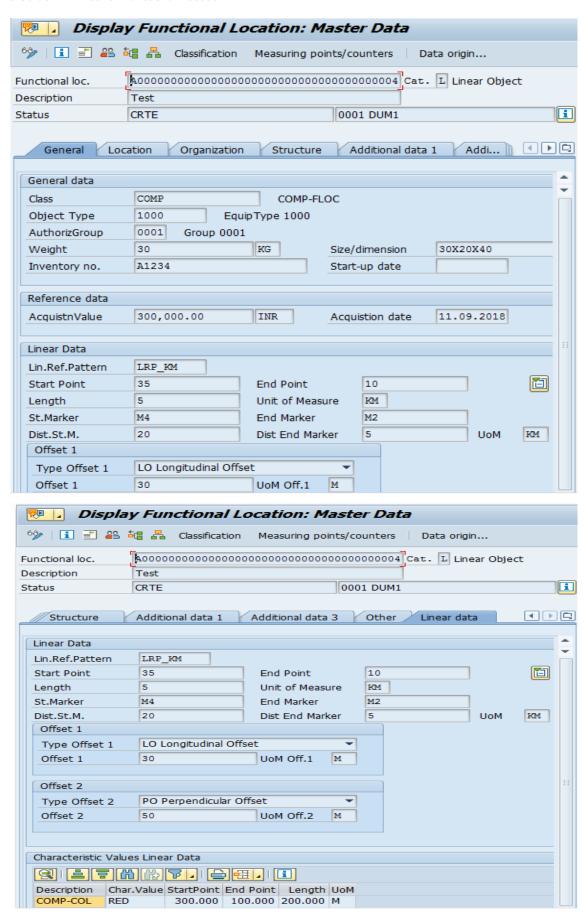


- b. Click on "Import" button.
 - Data import started with run number 10000018
- c. Click on "Display Monitoring" button to check the import log.
- d. Click on Run number to see Details log.

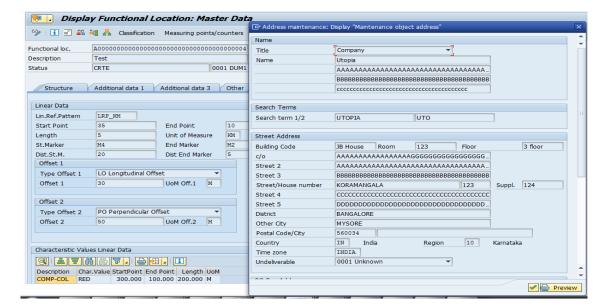


e. Enter the t-code IL03 if Functional Location is created.

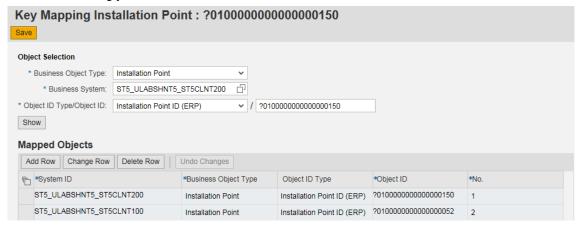








Note: After successful execution of DTIMPORT for the files provided, validate if key mapping is created accordingly.



- 3. Scenario 2 Defined by Change Request without governance.
 - a. Enter the following details in the new Data Import screen:
 - Object type UFLC
 - Provide mandatory description
 - Select overwrite checkbox if you want the object to be overwritten
 - o Select the Post Processing Defined by Change Request
 - Select the Change Request type "FUNCLO0B"
 - Data Sources Add the Object Type "Installation Point" and source directory ZDIR FLOC

Data will be posted directly to backend if there are no errors found, otherwise systems puts data into Change request.

- 4. Scenario 3- Defined by Change Request with governance.
 - a. Enter the following details in the new Data Import screen:
 - Object Type UFLC
 - Provide mandatory description
 - o Choose overwrite checkbox if you want the object to be overwritten



- Select the Governance check box
- Select the Post Processing Defined by Change Request
- Choose the change request type "FUNCLOOB"
- Data Sources Add the Object Type "Installation Point" and source directory ZDIR_FLOC

The system uploads the data from xml to respective CR and it will be available for further approvals as per the company norms.

Additional Changes as part of EAM 1909

1. Configure New Basic type /UGI3/EAM_FUNC_LOC05 via WE20.



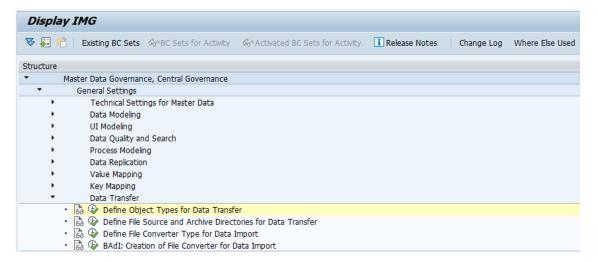
Note: Basic type /UGI3/EAM_FUNC_LOC05 has the additional segment for Functional Location - Alternative labels.

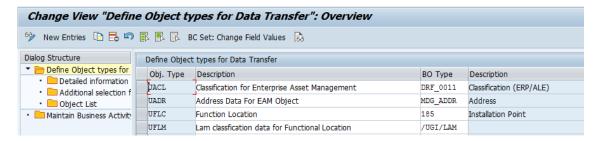
2. Add an additional Message type /UGI3/EAM_FUNC_LOC05 for File import.

Use the below steps to add an additional Message type to be recognized for file import.



Go to t-code MDGIMG > Master Data Governance > General Settings > Data Transfer > Select Node "Define Object Types for Data Transfer".

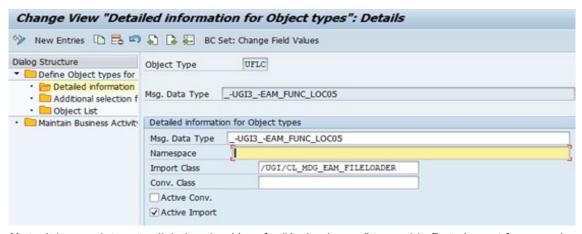




Use the following steps to set the Data Import Framework.

- 5. Click on sub-node "Detailed information for Object Types".
- 6. Enter the message types to be recognized in the file while importing the data.





Note: It is mandatory to click the checkbox for "Active Import" to enable Data Import framework.