

How-To Guide: DT Import (DIF) Doc for IS-U Industry Solution

Applies to

ISU Objects by Prometheus Group

Summary

MDG for EAM ISU 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 ISU objects. Same steps can be followed for other EAM ISU objects.

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

Additionally, you can use the following transactions:

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

Company: Prometheus Group

Version: 1.0

Table of Contents

Introduction.....	4
Steps for ALE Scenario Configuration	4
Define Logical Systems	4
Define an RFC Connection.....	4
Define an XML Port	5
ISU – Connection Object	5
ISU – Device	5
ISU – Device Location	6
Define Partner Profiles	6
Define Object Types.....	7
ISU – Connection Object	7
ISU – Device	7
ISU – Device Location	7
Steps to Set the DIF	8
ISU – Connection Object	8
ISU – Device	8
ISU – Device Location	9
File Source and Archive Directories.....	10
ISU – Connection Object	10
ISU – Device	11
ISU – Device Location	12
Defining Source and Logical Directories.....	13
ISU – Connection Object	13
ISU – Device	13
ISU – Device Location	14
Define the Technical Settings for Business Systems	14
ISU – Connection Object	15
ISU – Device	15
ISU – Device Location	16
Test Scenario for DIF	17
ISU – Connection Object	17
ISU – Device	18

ISU – Device Location	19
Data Import	21
ISU – Connection Object	21
ISU – Device	22
ISU – Device Location	24

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

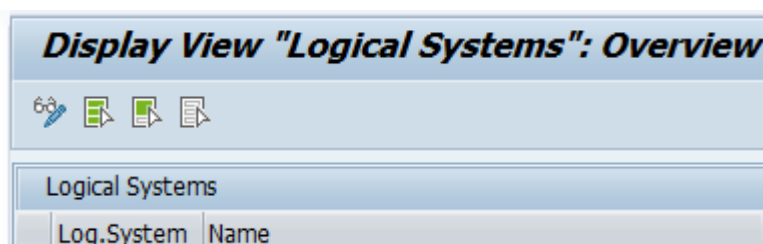
Note: The following configuration is required only when you want to generate XML file from IDoc.

This guide uses the source system as sample data. 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:

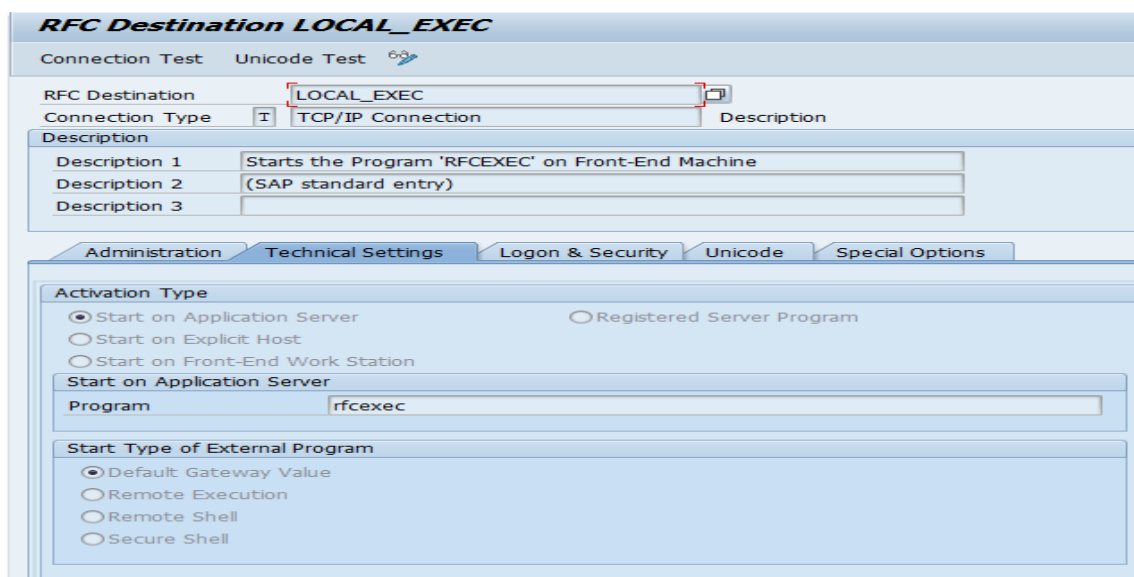
1. Enter transaction code (t-code) BD54.
2. Click New entries to create a Logical System
3. Enter a name for the Logical System and a description.



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 a RFC connection using Connection Type T (Start External Program Using TCP/IP) into the same client:



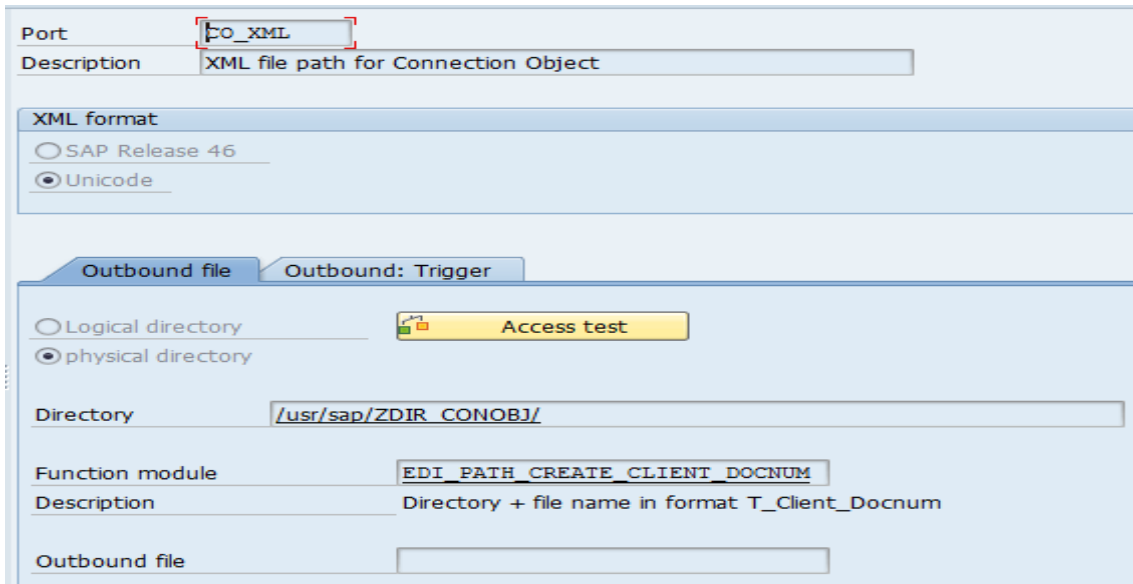
Define an XML Port

Use the following steps to define an XML Port:

- Run the t-code WE21 > Create an XML File type port.

ISU – Connection Object

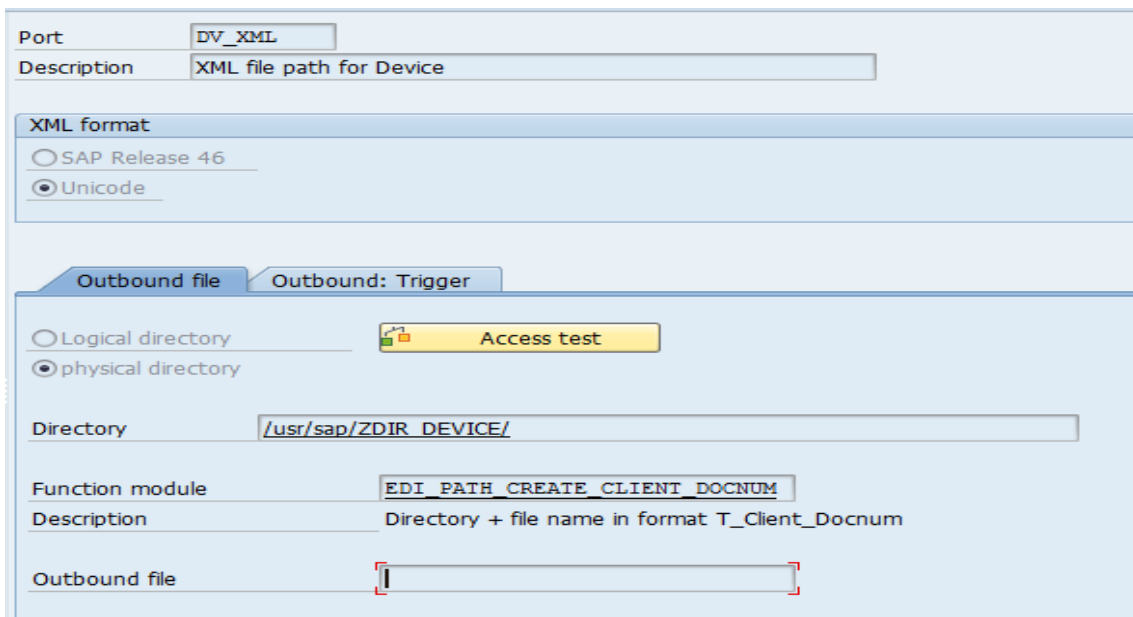
Create the single XML file type port for Connection Object.



The screenshot shows the SAP WE21 transaction for creating an XML Port. The 'Port' field is 'FO_XML' and the 'Description' is 'XML file path for Connection Object'. Under 'XML format', 'Unicode' is selected. The 'Outbound file' tab is active, showing 'Logical directory' and 'physical directory' options. The 'physical directory' option is selected. The 'Directory' field is '/usr/sap/ZDIR_CONOBJ/'. The 'Function module' is 'EDI_PATH_CREATE_CLIENT_DOCNUM' and the 'Description' is 'Directory + file name in format T_Client_Docnum'. The 'Outbound file' field is empty.

ISU – Device

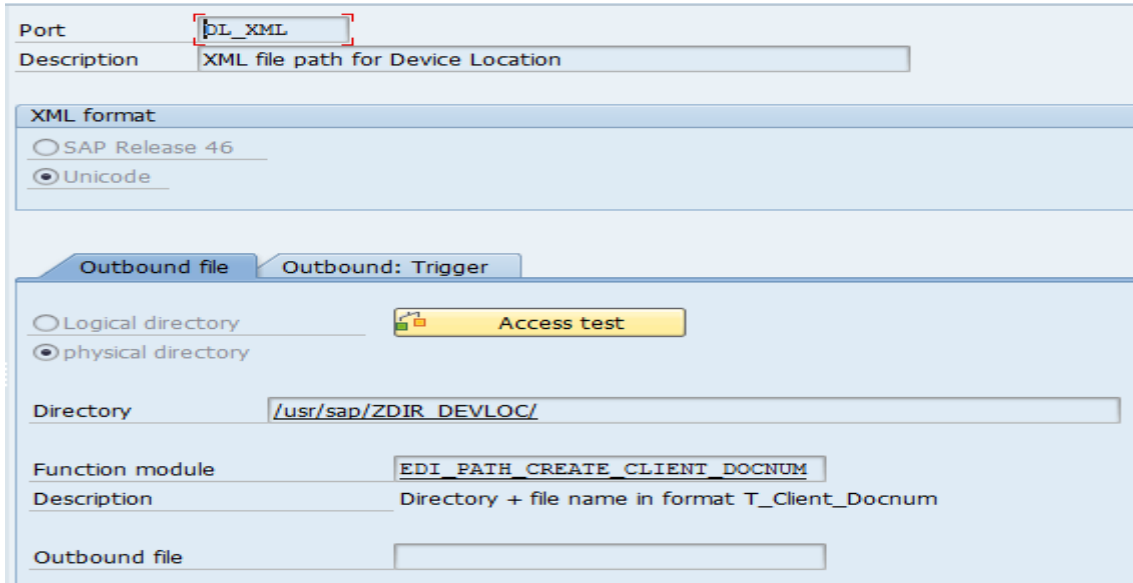
Create the single XML file type port for Device.



The screenshot shows the SAP WE21 transaction for creating an XML Port. The 'Port' field is 'DV_XML' and the 'Description' is 'XML file path for Device'. Under 'XML format', 'Unicode' is selected. The 'Outbound file' tab is active, showing 'Logical directory' and 'physical directory' options. The 'physical directory' option is selected. The 'Directory' field is '/usr/sap/ZDIR_DEVICE/'. The 'Function module' is 'EDI_PATH_CREATE_CLIENT_DOCNUM' and the 'Description' is 'Directory + file name in format T_Client_Docnum'. The 'Outbound file' field is empty.

ISU – Device Location

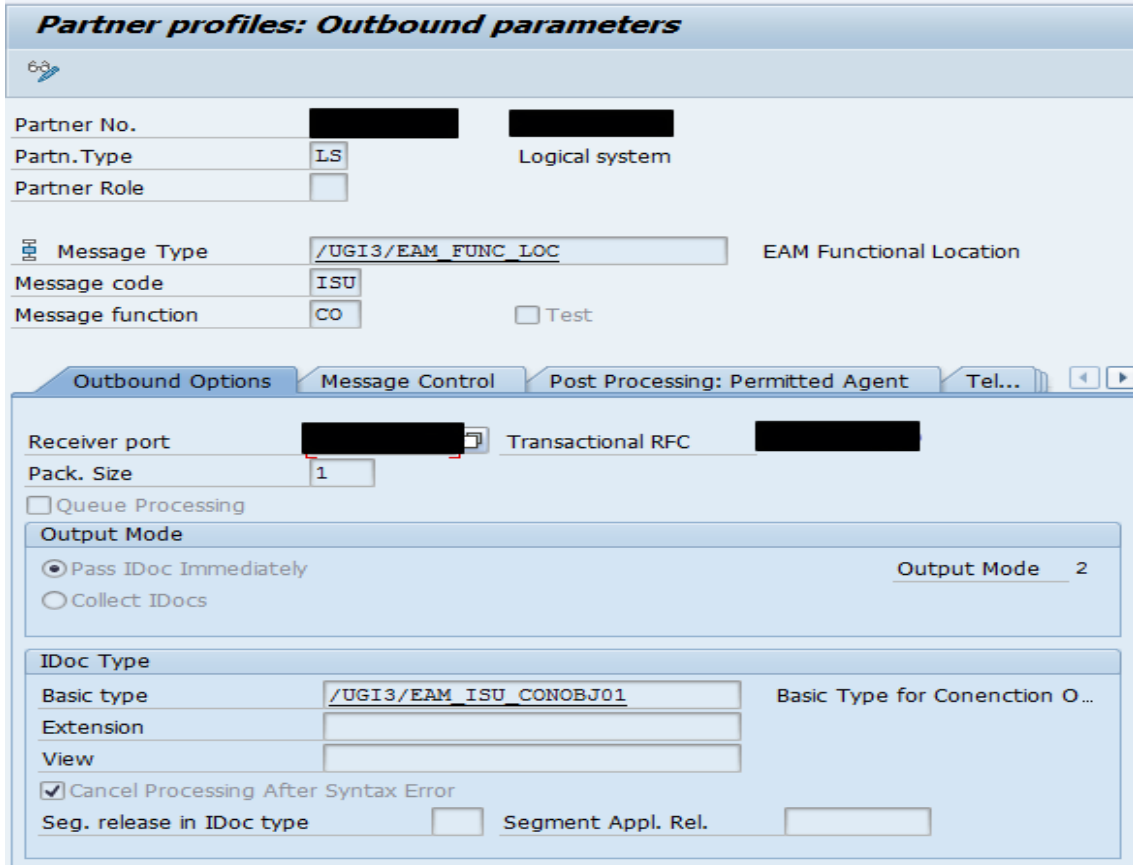
Create the single XML file type port for Device Location.



The screenshot shows the 'Port' configuration window for 'DL_XML'. The 'Description' field is 'XML file path for Device Location'. Under 'XML format', 'Unicode' is selected. The 'Outbound file' tab is active, showing 'Logical directory' selected, an 'Access test' button, and the 'Directory' field set to '/usr/sap/ZDIR_DEVLOC/'. The 'Function module' is 'EDI_PATH_CREATE_CLIENT_DOCNUM' with the description 'Directory + file name in format T_Client_Docnum'. The 'Outbound file' field is empty.

Define Partner Profiles

Run the t-code WE20 > Locate the MDG Target System under tree node Partner Profile LS > Maintain the settings for message type /UGI3/EAM ISU_FUNC_LOC under outbound parameters.

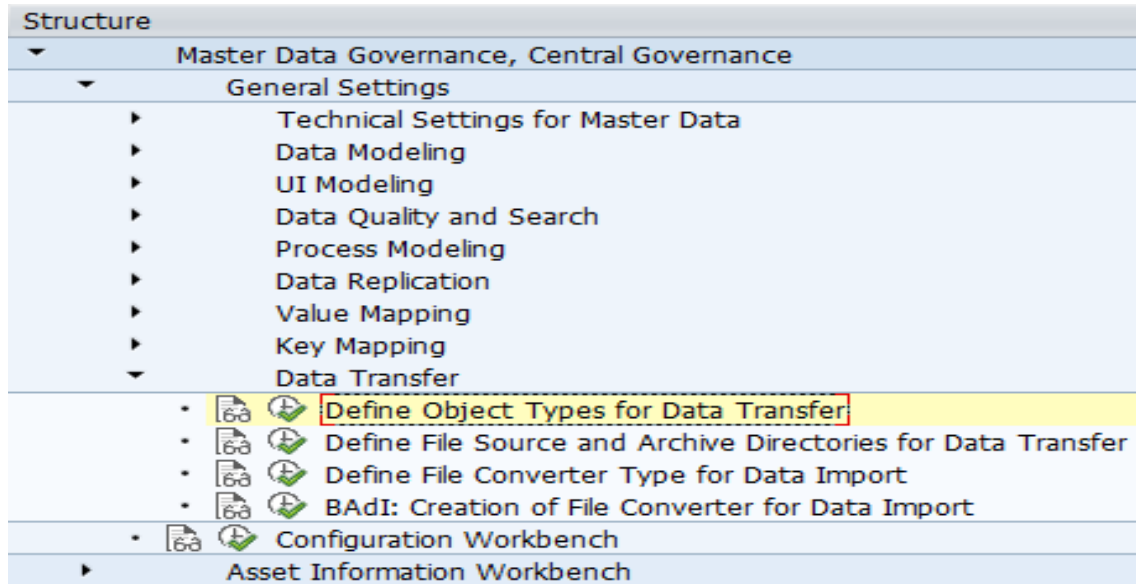


The screenshot shows the 'Partner profiles: Outbound parameters' window. Fields include 'Partner No.', 'Partn. Type' (LS), 'Partner Role', 'Message Type' (/UGI3/EAM_FUNC_LOC), 'Message code' (ISU), 'Message function' (CO), and 'EAM Functional Location'. The 'Outbound Options' tab is active, showing 'Receiver port', 'Pack. Size' (1), 'Queue Processing' (unchecked), 'Output Mode' (Pass IDoc Immediately selected, Output Mode 2), 'IDoc Type' (Basic type /UGI3/EAM_ISU_CONOBJ01), 'View', 'Cancel Processing After Syntax Error' (checked), 'Seg. release in IDoc type' (unchecked), and 'Segment Appl. Rel.'.

Define Object Types

Go to MDGIMG > Master Data Governance > General Settings > Data Transfer > Select Node

“Define Object Types for Data Transfer”.



ISU – Connection Object

Display View "Define Object types for Data Transfer": Overview

Obj. Type	Description	BO Type	Description
UCOC	Connection Object	/UISU/CO	IS-U:Connection Object
UDLC	Device Location	/UISU/DL	IS-U:Device Location
UDVC	Device	/UISU/DV	IS-U:Device

ISU – Device

Display View "Define Object types for Data Transfer": Overview

Obj. Type	Description	BO Type	Description
UDVC	Device	/UISU/DV	IS-U:Device
UELM	Lam classification data for equipment	/UGI/LAM	
UEQP	Equipment	183	Individual Material

ISU – Device Location

Display View "Define Object types for Data Transfer": Overview

Obj. Type	Description	BO Type	Description
UDLC	Device Location	/UISU/DL	IS-U:Device Location
UDVC	Device	/UISU/DV	IS-U:Device
UELM	Lam classification data for equipment	/UGI/LAM	

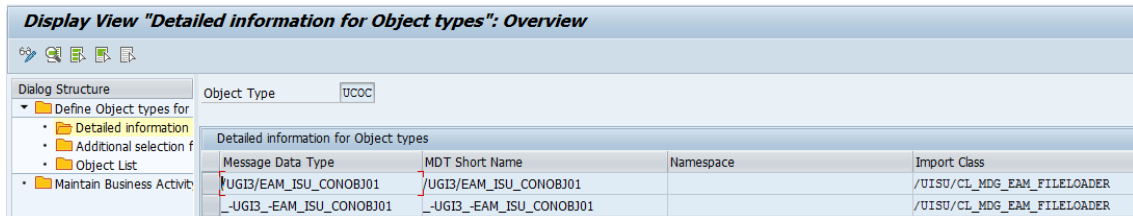
Steps to Set the DIF

ISU – Connection Object

Use the following steps to set the Data Import Framework.

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

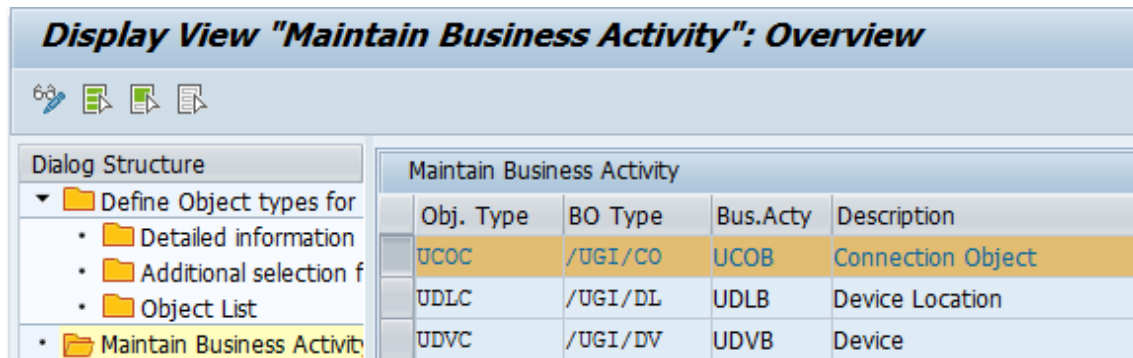
Display View "Detailed information for Object types": Overview



Message Data Type	MDT Short Name	Namespace	Import Class
UGI3/EAM_ISU_CONOBJ01	UGI3/EAM_ISU_CONOBJ01		/UISU/CL_MDG_EAM_FILELOADER
_UGI3_EAM_ISU_CONOBJ01	_UGI3_EAM_ISU_CONOBJ01		/UISU/CL_MDG_EAM_FILELOADER

3. Click on the sub-node “Maintain Business Activity”. This refers to the CR type to be created while importing the data to staging area.

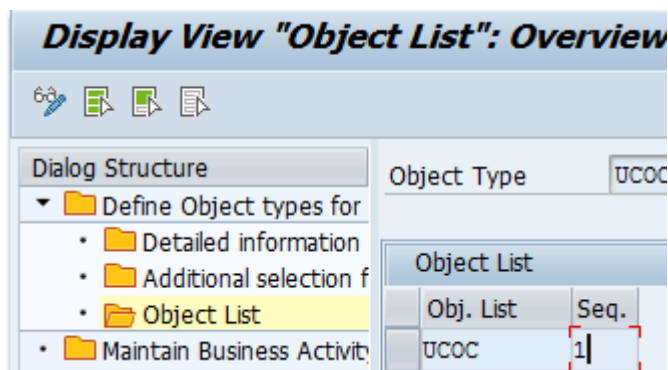
Display View "Maintain Business Activity": Overview



Obj. Type	BO Type	Bus.Acty	Description
UCOB	/UGI/CO	UCOB	Connection Object
UDLB	/UGI/DL	UDLB	Device Location
UDVB	/UGI/DV	UDVB	Device

4. Maintain Object List for Data Import.

Display View "Object List": Overview



Obj. List	Seq.
UCOB	1

ISU – Device

Use the following steps to set the Data Import Framework.

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

Display View "Detailed information for Object types": Overview

Dialog Structure

- Define Object types for
 - Detailed information
 - Additional selection f
 - Object List
- Maintain Business Activit

Object Type: UDVC

Message Data Type	MDT Short Name	Namespace	Import Class
/UGI3/EAM_ISU_DEVICE01	/UGI3/EAM_ISU_DEVICE01		/UISU/CL_MDG_EAM_FILELOADER
-UGI3-EAM_ISU_DEVICE01	_-UGI3_-EAM_ISU_DEVICE01		/UISU/CL_MDG_EAM_FILELOADER

- Click on the sub-node "Maintain Business Activity". This refers to the CR type to be created while importing the data to staging area.

Display View "Maintain Business Activity": Overview

Dialog Structure

- Define Object types for
 - Detailed information
 - Additional selection f
 - Object List
- Maintain Business Activit

Obj. Type	BO Type	Bus.Acty	Description
UDVC	/UISU/DV	UDVB	IS-U:Device
UELM	/UGI/LAM	UEQB	
UEQP	183	UEQB	Individual Material

- Maintain Object List for Data Import.

Display View "Define Object types for Data Transfer": Overview

Dialog Structure

- Define Object types for
 - Detailed information
 - Additional selection f
 - Object List
- Maintain Business Activit

Obj. Type	Description	BO Type	Description
UDVC	Device	/UISU/DV	IS-U:Device
UELM	Lam classification data for equipment	/UGI/LAM	
UEQP	Equipment	183	Individual Material

Display View "Object List": Overview

Dialog Structure

- Define Object types for
 - Detailed information
 - Additional selection f
 - Object List
- Maintain Business Activit

Object Type: UDVC

Obj. List	Seq.
UDVC	1
UIAD	3
UICL	2

ISU – Device Location

Use the following steps to set the Data Import Framework.

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

Display View "Detailed information for Object types": Overview

Dialog Structure

- Define Object types for
 - Detailed information
 - Additional selection f
 - Object List
- Maintain Business Activit

Object Type: UDLC

Message Data Type	MDT Short Name	Namespace	Import Class
/UGI3/EAM_ISU_DEVLOC01	/UGI3/EAM_ISU_DEVLOC01		/UISU/CL_MDG_EAM_FILELOADER
-UGI3-EAM_ISU_DEVLOC01	_-UGI3_-EAM_ISU_DEVLOC01		/UISU/CL_MDG_EAM_FILELOADER

- Click on the sub-node "Maintain Business Activity". This refers to the CR type to be created while importing the data to staging area.

Display View "Maintain Business Activity": Overview

Dialog Structure

- Define Object types for
 - Detailed information
 - Additional selection f
 - Object List
 - Maintain Business Activity

Obj. Type	BO Type	Bus.Acty	Description
UDLC	/UISU/DL	UDLB	IS-U:Device Location
UDVC	/UISU/DV	UDVB	IS-U:Device
UELM	/UGI/LAM	UEQB	

- Maintain Object List for Data Import.

Display View "Define Object types for Data Transfer": Overview

Dialog Structure

- Define Object types for
 - Detailed information
 - Additional selection f
 - Object List
 - Maintain Business Activity

Obj. Type	Description	BO Type	Description
UDLC	Device Location	/UISU/DL	IS-U:Device Location
UDVC	Device	/UISU/DV	IS-U:Device
UELM	Lam classification data for equipment	/UGI/LAM	

Display View "Object List": Overview

Dialog Structure

- Define Object types for
 - Detailed information
 - Additional selection f
 - Object List
 - Maintain Business Activity

Object Type: UDLC

Obj. List	Seq.
UDLC	1
UICL	2

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.

ISU – Connection Object

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

- 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.
- 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.
- To assign directories as sources or archives, the physical directory paths must be created in the file system initially.
- Use the t-code FILE to map them to logical names.
Run the t-code AL11 to verify the directory path creation:

Display View "Logical File Path Definition": Overview

Dialog Structure

- Logical File Path Definition
 - Assignment of Physical Paths
 - Logical File Name Definition
 - Definition of Variables
 - Syntax Group Definition
 - Assignment of Operating System

Create a logical file path

Logical File Path	Name
ZDIR_CONOBJ	File Path for Connection Object

- Run the t-code FILE to map directory path to logical names:
- Assign physical path for ZDIR_CONOBJ:

Display View "Assignment of Physical Paths to Logical Path": Details

Dialog Structure

- Logical File Path Definition
 - Assignment of Physical Paths
 - Logical File Name Definition
 - Definition of Variables
 - Syntax Group Definition
 - Assignment of Operating System

Logical path	ZDIR_CONOBJ	
Name	File Path for Connection Object	
Syntax group	UNIX	Unix compatible
Physical path	/usr/sap/ZDIR_CONOBJ/<FILENAME>	

ISU – Device

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

- 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.
- 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.
- To assign directories as sources or archives, the physical directory paths must be created in the file system initially.
- Use the t-code FILE to map them to logical names.
Run the t-code AL11 to verify the directory path creation:

ZDIR_DEVICE	/usr/sap/ZDIR_DEVICE
-------------	----------------------

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

Display View "Logical File Path Definition": Overview

Dialog Structure

- Logical File Path Definition
 - Assignment of Physical Paths
 - Logical File Name Definition
 - Definition of Variables
 - Syntax Group Definition
 - Assignment of Operating System

Create a logical file path

Logical File Path	Name
ZDIR_DEVICE	File Path for Device
ZDIR_DEVLOC	File Path for Device Location

7. Assign physical path for ZDIR_DEVICE:

Display View "Assignment of Physical Paths to Logical Path":

Dialog Structure

- Logical File Path Definition
 - Assignment of Physical Path
 - Logical File Name Definition
 - Definition of Variables
 - Syntax Group Definition
 - Assignment of Operating System

Logical path	ZDIR_DEVICE	
Name	File Path for Device	
Syntax group	UNIX	Unix compatible
Physical path	/usr/sap/ZDIR_DEVICE/<FILENAME>	

ISU – Device Location

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.
3. 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.
5. Use the t-code FILE to map them to logical names.
Run the t-code AL11 to verify the directory path creation:

ZDIR_DEVLOC	/usr/sap/ZDIR_DEVLOC
ZDIR_EQUIP	/usr/sap/ZDIR_EQUIP

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

Display View "Logical File Path Definition": Overview

Dialog Structure

- Logical File Path Definition
 - Assignment of Physical Path
 - Logical File Name Definition
 - Definition of Variables
 - Syntax Group Definition
 - Assignment of Operating System

Create a logical file path

Logical File Path	Name
ZDIR_DEVLOC	File Path for Devcie Location
ZDIR_EQUIP	File path for Equipment

7. Assign physical path for ZDIR_DEVLOC:

Display View "Assignment of Physical Paths to Logical Pa

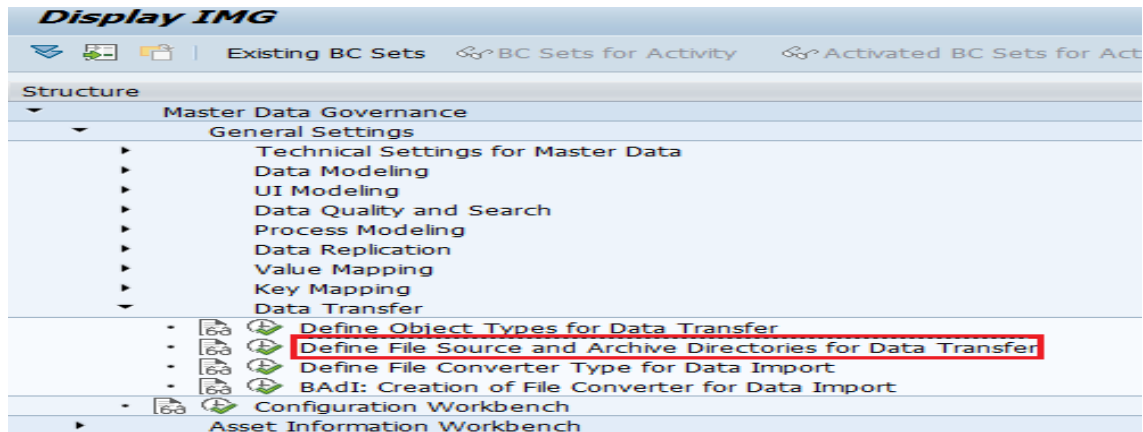
Dialog Structure

- Logical File Path Definition
 - Assignment of Physical Path
 - Logical File Name Definition
 - Definition of Variables
 - Syntax Group Definition
 - Assignment of Operating System

Logical path	ZDIR_DEVLOC	
Name	File Path for Devcie Location	
Syntax group	UNIX	Unix compatible
Physical path	/usr/sap/ZDIR_DEVLOC/<FILENAME>	

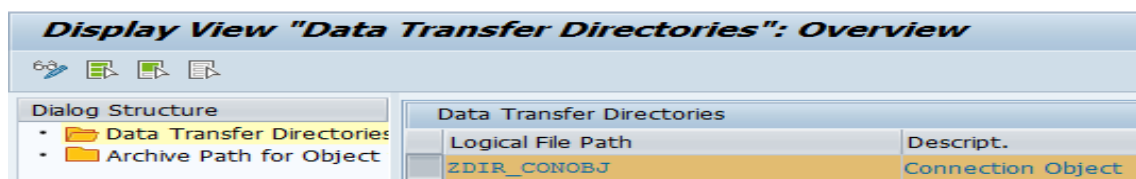
Defining Source and Logical Directories

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

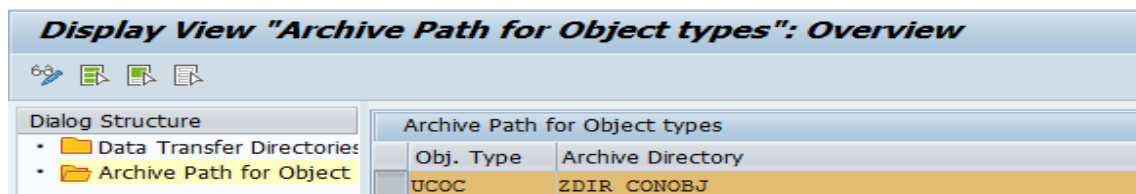


ISU – Connection Object

1. Click on Data Transfer Directories > Maintain the Connection Object directory which is created in t-code FILE T.

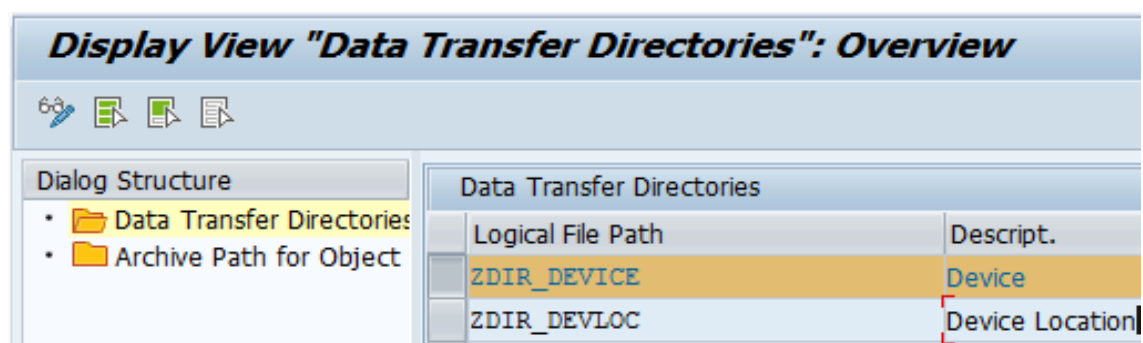


2. Click on Archive Path object types to maintain the archiving path of files used.

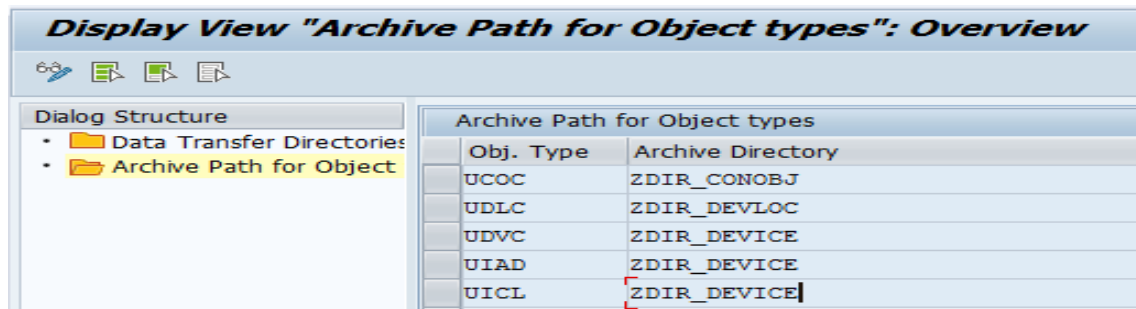


ISU – Device

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

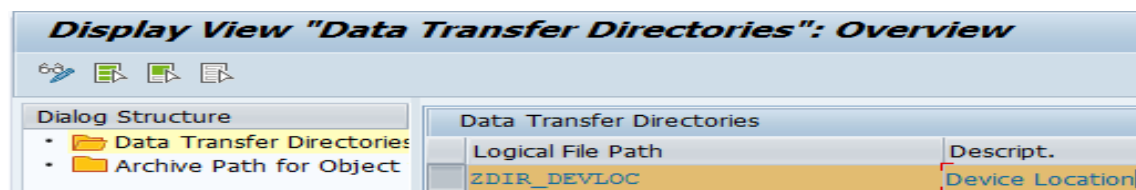


- Click on Archive Path object types to maintain the archiving path of files used.

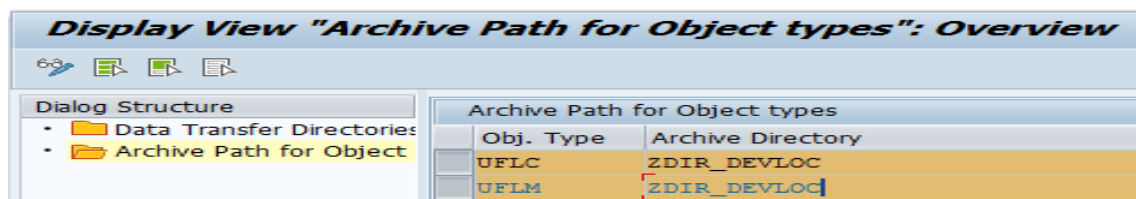


ISU – Device Location

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

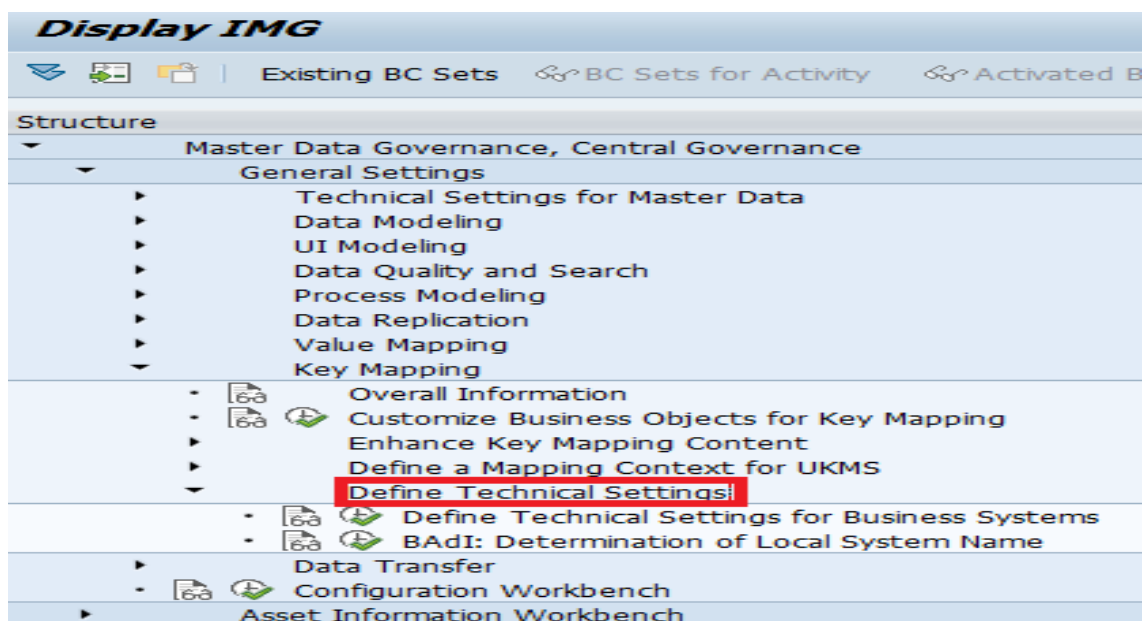


- Click on Archive Path object types to maintain the archiving path of files used.



Define the Technical Settings for Business Systems

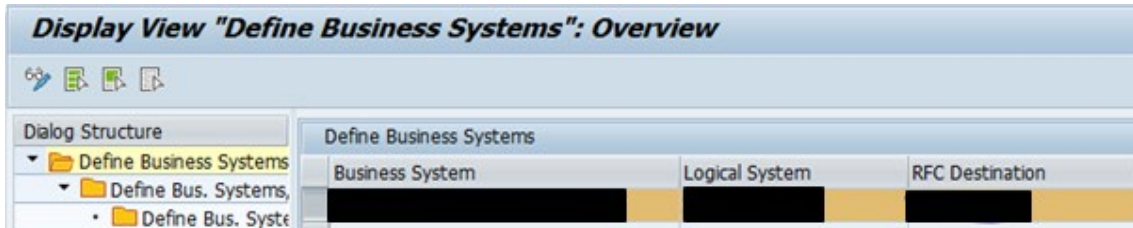
Go to Master Data Governance > General settings > Key Mapping > Define Technical Settings > Define Technical Settings for Business Systems.



ISU – Connection Object

Use the following steps to define technical settings for business systems:

1. Define the business system:



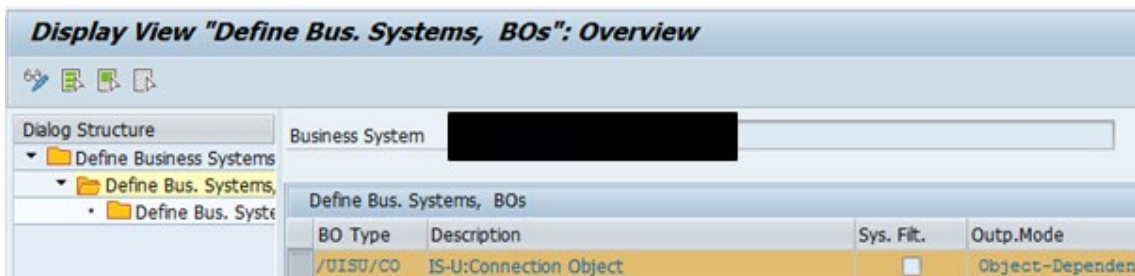
Display View "Define Business Systems": Overview

Dialog Structure

- Define Business Systems
 - Define Bus. Systems,
 - Define Bus. Syste

Business System	Logical System	RFC Destination

2. Add the Connection Object BO Type for the business system:
 - BO Types /UGI/CO (Connection Object)



Display View "Define Bus. Systems, BOs": Overview

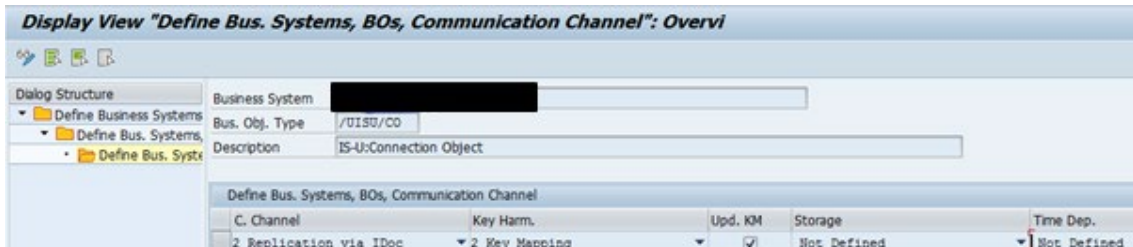
Dialog Structure

- Define Business Systems
 - Define Bus. Systems,
 - Define Bus. Syste

Business System: [Redacted]

BO Type	Description	Sys. Fil.	Outp.Mode
/UISU/CO	IS-U:Connection Object	<input type="checkbox"/>	Object-Dependen

3. For Harmonized scenarios, update the communication channel settings as explained in the following section:



Display View "Define Bus. Systems, BOs, Communication Channel": Overview

Dialog Structure

- Define Business Systems
 - Define Bus. Systems,
 - Define Bus. Syste

Business System: [Redacted]

Bus. Obj. Type: /UISU/CO

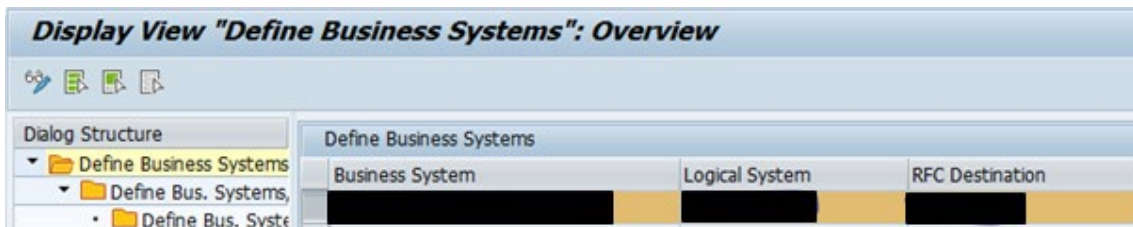
Description: IS-U:Connection Object

C. Channel	Key Harm.	Upd. KM	Storage	Time Dep.
2 Replication via IDoc	2 Key Mapping	<input checked="" type="checkbox"/>	Not Defined	Not Defined

ISU – Device

Use the following steps to define technical settings for business systems:

1. Define the business system:



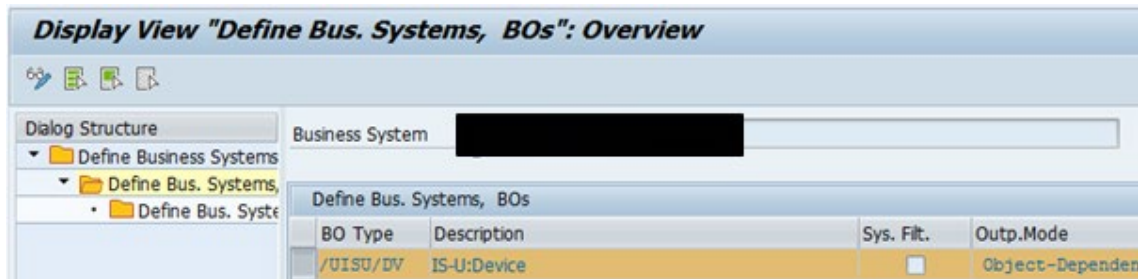
Display View "Define Business Systems": Overview

Dialog Structure

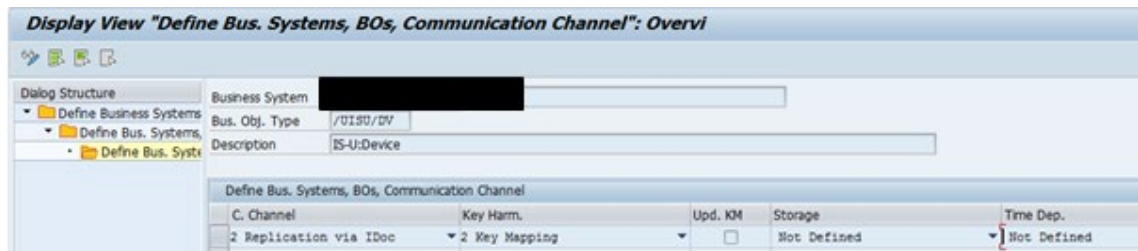
- Define Business Systems
 - Define Bus. Systems,
 - Define Bus. Syste

Business System	Logical System	RFC Destination

2. Add the Device BO Type for the business system:
 - BO Types /UGI/DV (Device)



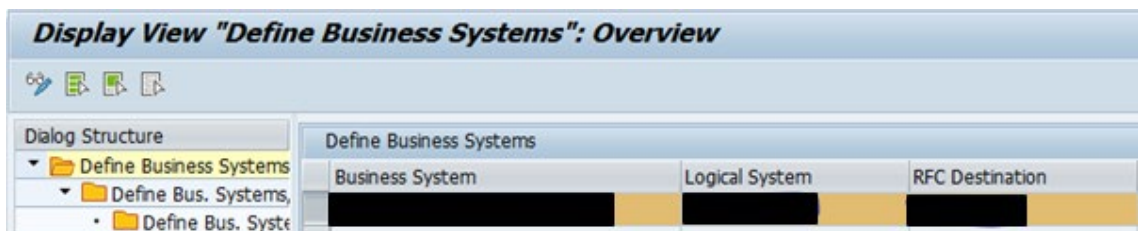
- For Harmonized scenarios, update the communication channel settings as explained in the following section:



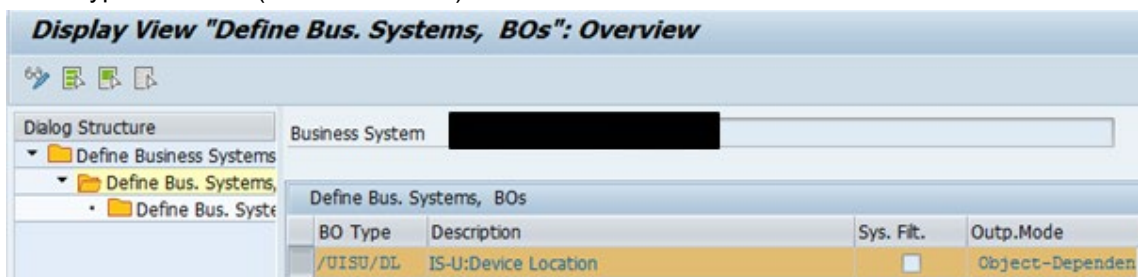
ISU – Device Location

Use the following steps to define technical settings for business systems:

- Define the business system:



- Add the Device Location BO Type for the business system:
 - BO Types /UGI/DL (Device Location)



- For Key Mapping scenarios, update the communication channel settings as explained in the following section:

Display View "Define Bus. Systems, BOs, Communication Channel": Overview

Dialog Structure

- Define Business Systems
 - Define Bus. Systems, BOs
 - Define Bus. Systems, BOs, Communication Channel

Business System: [Redacted]

Bus. Obj. Type: /UISD/DL

Description: IS-U:Device Location

C. Channel	Key Harm.	Upd. KM	Storage	Time Dep.
2 Replication via IDoc	2 Key Mapping	<input checked="" type="checkbox"/>	Not Defined	Not Defined

Test Scenario for DIF

ISU – Connection Object

Downloading XML File.

- Go to t-code AL11 and get the directory name for file.

ZDIR_CONOBJ /usr/sap/ZDIR_CONOBJ

- Open directory and get the file name to download.

Directory: /usr/sap/ZDIR_CONOBJ

Usable	Viewed	Changed	Length	Owner	Lastchange	Lastchange	File Name
			53	is9adm	06/05/2018	08:11:08	.
			4096	root	05/07/2018	09:01:23	..
			6	is9adm	04/06/2018	07:44:37	ARCHIVE
			43	is9adm	05/11/2018	04:11:52	SOURCE
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		3353	is9adm	06/07/2018	06:41:45	conobj.xml

- Go to t-code CG3Y to download the file. Enter the source file name and the target file name. Click on Overwrite checkbox, to overwrite if file exist with same name.

Download File: Parameters

Source file on application server
/usr/sap/ZDIR_CONOBJ/conobj.xml

Target file on front end
C:\Users\ [Redacted] \Desktop\DIF - IS\Con-120618.xml

Transfer format for data: BIN

☒ Overwrite file

- Click on "Download" button. The file is downloaded in the specified location.

Make necessary changes in XML file.

You can run the DIF for Connection Object in Manual Processing/Defined by Change Request/Governance modes with/without key mapping.

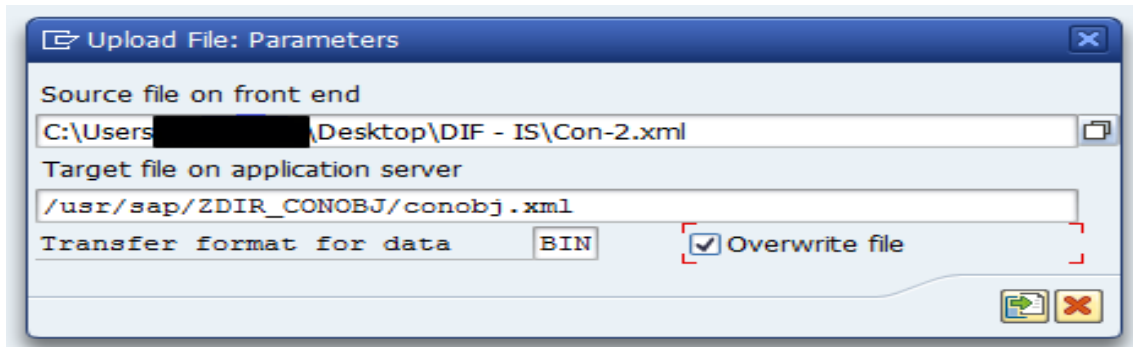
Use the following steps to upload the xml file and test DIF:

Sample IDoc XML for DIF Import from client system is attached:




Con-2.xml

5. Upload the file.
6. Run the t-code CG3Z > Choose the upload file Parameters-Source file on front end and Target file on application server paths > Click on Upload icon.



7. Check file in AL11 System.

ZDIR_CONOBJ		/usr/sap/ZDIR_CONOBJ					
Usable	Viewed	Changed	Length	Owner	Lastchange	Lastchange	File Name
			53	is9adm	06/05/2018	08:11:08	.
			4096	root	05/07/2018	09:01:23	..
			6	is9adm	04/06/2018	07:44:37	ARCHIVE
			43	is9adm	05/11/2018	04:11:52	SOURCE
X			3094	is9adm	06/13/2018	08:29:56	conobj.xml



ISU – Device

Downloading XML File.

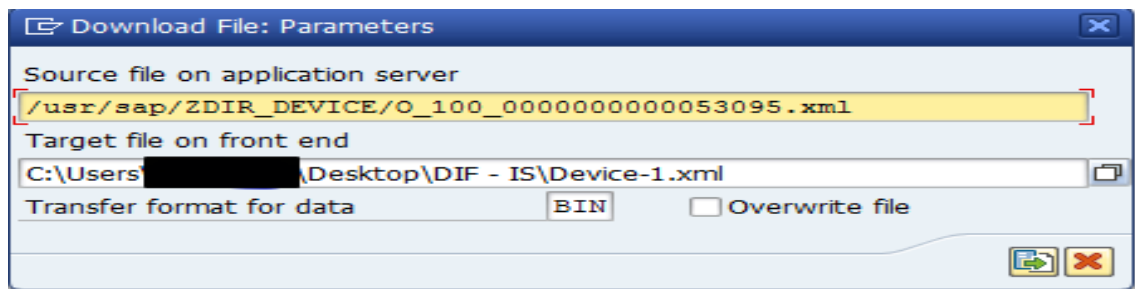
1. Go to t-code AL11 and get the directory name for file.

ZDIR_DEVICE	/usr/sap/ZDIR_DEVICE
-------------	----------------------

2. Open directory and get the file name to download.

Directory: /usr/sap/ZDIR_DEVICE							
							
Usable	Viewed	Changed	Length	Owner	Lastchange	Lastchange	File Name
			35	is9adm	06/20/2018	03:44:02	.
			4096	root	05/07/2018	09:01:23	..
			6	is9adm	04/06/2018	07:47:56	ARCHIVE
			6	is9adm	04/06/2018	07:47:56	SOURCE

3. Go to t-code CG3Y to download the file. Enter the source file name and the target file name. Click on Overwrite checkbox, to overwrite if file exist with same name.



4. Click on "Download" button. The file is downloaded in the specified location.

Make necessary changes in XML file.

You can run the DIF for Device Location in Manual Processing/Defined by Change Request/Governance modes with/without key mapping.

Use the following steps to upload the xml file and test DIF:

Sample IDoc XML file for DIF Import from client system is attached:



Device-1.xml

8. Upload the file.
9. Run the t-code CG3Z > Choose the upload file Parameters-Source file on front end and Target file on application server paths > Click on Upload icon.



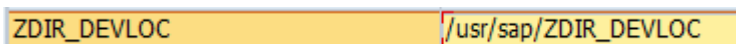
10. Check file in AL11 System.



ISU – Device Location

Downloading XML File.

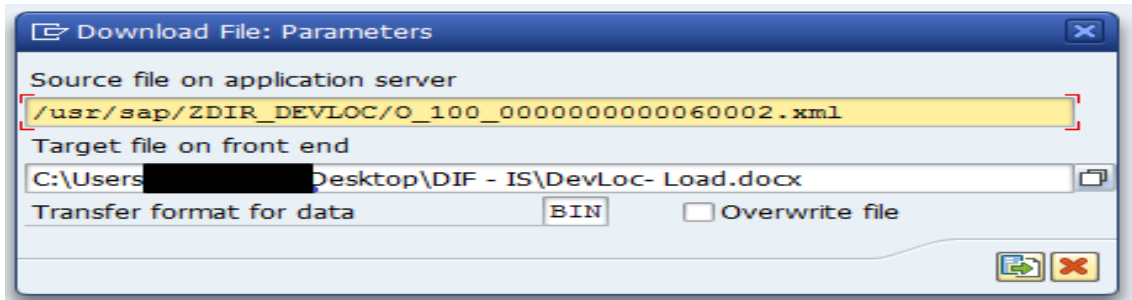
1. Go to t-code AL11 and get the directory name for file.



2. Open directory and get the file name to download.

Directory: /usr/sap/ZDIR_DEVLOC							
Usable	Viewed	Changed	Length	Owner	Lastchange	Lastchange	File Name
			35	is9adm	06/18/2018	03:35:58	.
			4096	root	05/07/2018	09:01:23	..
			6	is9adm	04/06/2018	07:46:24	ARCHIVE
			6	is9adm	04/06/2018	07:46:24	SOURCE

- Go to t-code CG3Y to download the file. Enter the source file name and the target file name. Click on Overwrite checkbox, to overwrite if file exist with same name.



Download File: Parameters

Source file on application server

Target file on front end

Transfer format for data ☐ Overwrite file

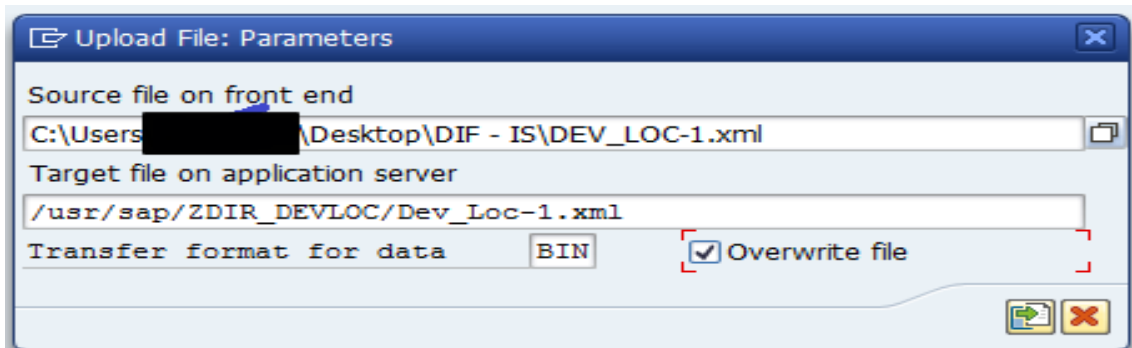
- Click on "Download" button. The file is downloaded in the specified location.
 Make necessary changes in XML file.
 You can run the DIF for Device Location in Manual Processing/Defined by Change Request/
 Governance modes with/without key mapping.
 Use the following steps to upload the xml file and test DIF:

Sample IDoc XML file is attached:



DEV_LOC-1.xml

- Upload the file.
- Run the t-code CG3Z > Choose the upload file Parameters-Source file on front end and Target file on application server paths > Click on Upload icon.



Upload File: Parameters

Source file on front end

Target file on application server


Transfer format for data ☒ Overwrite file


- Check file in AL11 System.

ZDIR_DEVLOC

/usr/sap/ZDIR_DEVLOC

Directory: /usr/sap/ZDIR_DEVLOC



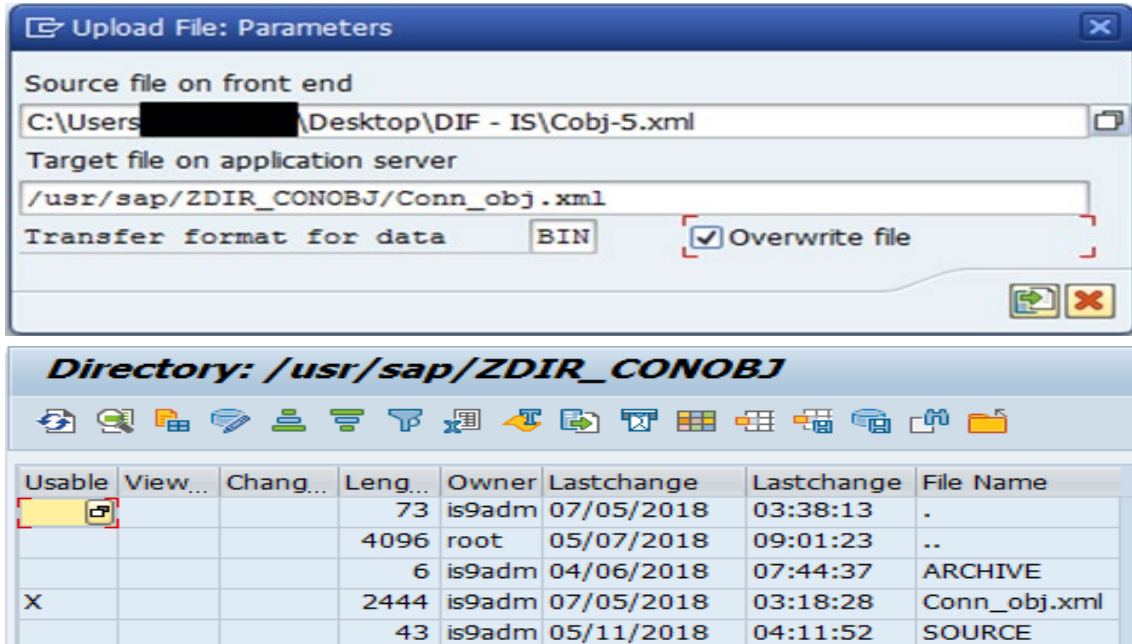
Usable	Viewed	Changed	Length	Owner	Lastchange	Lastchange	File Name
			56	is9adm	06/18/2018	03:48:21	.
			4096	root	05/07/2018	09:01:23	..
			6	is9adm	04/06/2018	07:46:24	ARCHIVE
X			2554	is9adm	06/18/2018	03:54:05	Dev_Loc-1.xml
			6	is9adm	04/06/2018	07:46:24	SOURCE

Data Import

ISU – Connection Object

Use the following documents for Data Import:

1. Upload the file using t-code CG3Z.



Upload File: Parameters

Source file on front end
 C:\Users\██████████\Desktop\DIF - IS\Cobj-5.xml

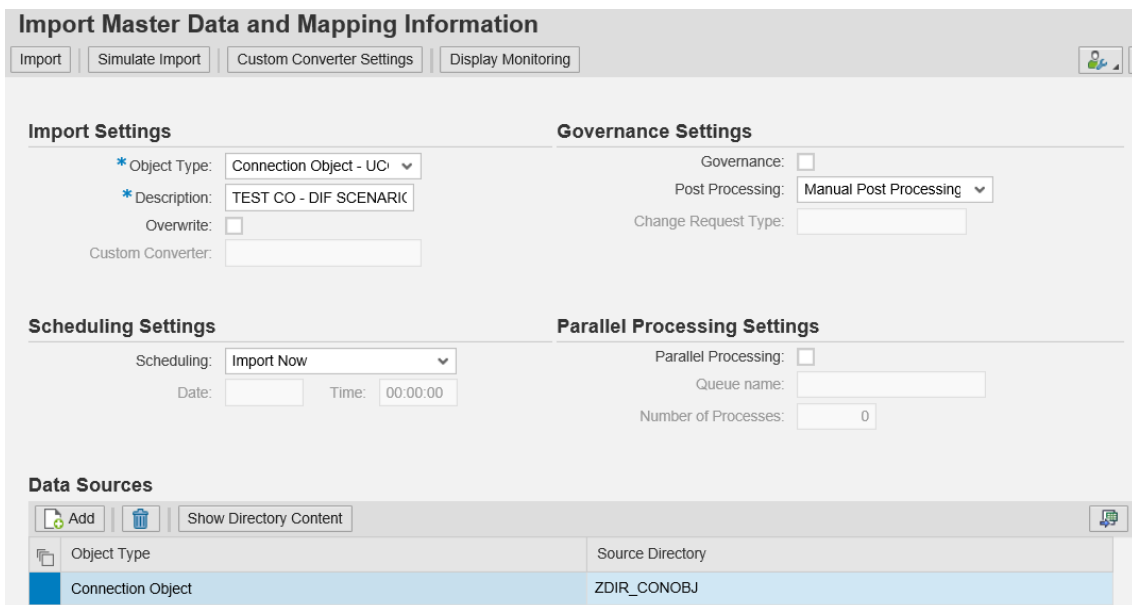
Target file on application server
 /usr/sap/ZDIR_CONOBJ/Conn_obj.xml

Transfer format for data ☒ Overwrite file

Directory: /usr/sap/ZDIR_CONOBJ

Usable	View...	Chang...	Leng...	Owner	Lastchange	Lastchange	File Name
<input type="checkbox"/>			73	is9adm	07/05/2018	03:38:13	.
			4096	root	05/07/2018	09:01:23	..
			6	is9adm	04/06/2018	07:44:37	ARCHIVE
X			2444	is9adm	07/05/2018	03:18:28	Conn_obj.xml
			43	is9adm	05/11/2018	04:11:52	SOURCE

2. Load the file.



Import Master Data and Mapping Information

Import | Simulate Import | Custom Converter Settings | Display Monitoring

Import Settings

* Object Type: Connection Object - UC
 * Description: TEST CO - DIF SCENARI
 Overwrite: ☐
 Custom Converter:

Governance Settings

Governance: ☐
 Post Processing: Manual Post Processing
 Change Request Type:

Scheduling Settings

Scheduling: Import Now
 Date: Time: 00:00:00

Parallel Processing Settings


Parallel Processing: ☐
 Queue name:
 Number of Processes: 0

Data Sources










Add | Show Directory Content

Object Type	Source Directory
Connection Object	ZDIR_CONOBJ





3. Click on "Import" button.

 Data import started with run number 10000470

4. Check the run status.

Data Transfer Logs	
Propagated Type/Date/Time/User	
	
	Description: TEST CO - DIF SCENARIO
	Object Type Processing Sequence: Connection Object
	Processing files from directory /usr/sap/ZDIR_CONOBJ/
	Message Type _-UGI3_-EAM_ISU_CONOBJ01 detected for file Conn_obj.xml
	IDoc processed successfully for Functional Location A050718P1
	Functional Location A050718P1 exist in active area
	IDoc processed successfully for Functional Location A050718P1






5. Check in the system.

Display Connection Object: A050718P1			
Class Overview		Functional Location	
Connection Obj.	A050718P1		
Description			
Status	CRTE	0001 DUM1	
Address			
 			
Name			
Title			
Name			
Search Terms			
Search term 1/2			
Street Address			
Street/House number			
Postal Code/City			
Country	IN	India	Region
Time zone	INDIA		
PO Box Address			
PO Box			
Postal code			
Company Postal Code			

ISU – Device

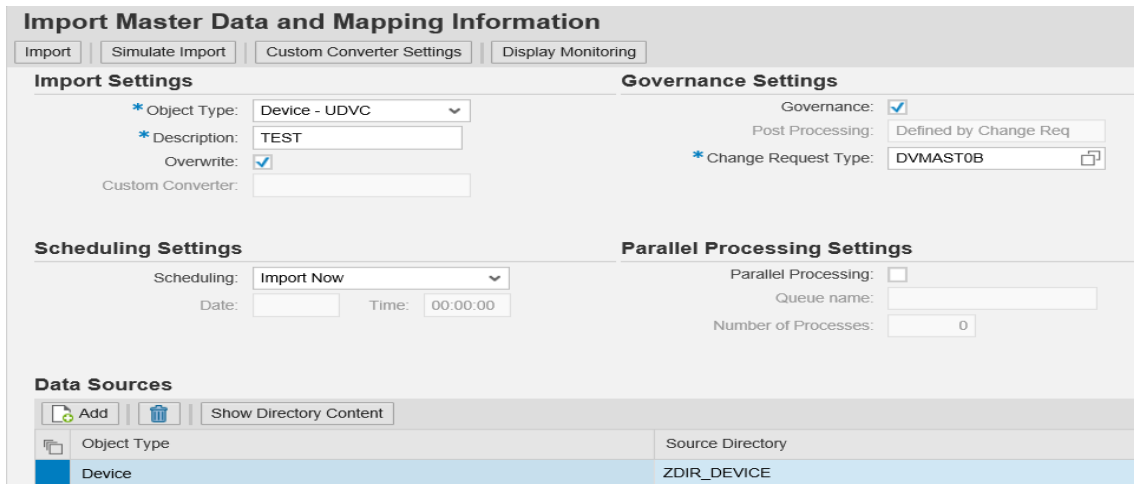
Use the following steps to import data:

1. Navigate to the data exchange tab > Data load > Import Master data

Import Master Data and Mapping Information	
	
Import Settings	Governance Settings
* Object Type: <input type="text"/>	Governance: <input type="checkbox"/>
* Description: <input type="text"/>	Post Processing: Manual Post Processing
Overwrite: <input type="checkbox"/>	Change Request Type: <input type="text"/>
Custom Converter: <input type="text"/>	
Scheduling Settings	Parallel Processing Settings
Scheduling: Import Now	Parallel Processing: <input type="checkbox"/>
Date: <input type="text"/> Time: 00:00:00	Queue name: <input type="text"/>
	Number of Processes: <input type="text"/> 0
Data Sources	
  	
Object Type	Source Directory

Scenario – 1 Manual Post Processing.

- Object type – UDVC
- Provide mandatory description
- Choose overwrite checkbox if you want the object to be overwritten
- Data Sources – Add the object type General Task List and source directory ZDIR_DEVICE



Import Master Data and Mapping Information

Import | Simulate Import | Custom Converter Settings | Display Monitoring

Import Settings

* Object Type: Device - UDVC
 * Description: TEST
 Overwrite: ☒
 Custom Converter:

Governance Settings

Governance: ☒
 Post Processing: Defined by Change Req
 * Change Request Type: DVMAST0B

Scheduling Settings

Scheduling: Import Now
 Date: Time: 00:00:00

Parallel Processing Settings


Parallel Processing: ☐
 Queue name:
 Number of Processes: 0

Data Sources

Add Show Directory Content

Object Type	Source Directory
Device	ZDIR_DEVICE

- Click on “Import” button.

 Data import started with run number 10000403

- Click on “Display Monitoring” button to check the import log > Click on Run number to see details log.

Data Transfer Logs

Propagated Type/Date/Time/User
<div>  <div> <p>Description: TEST</p> <p>Object Type Processing Sequence: Device</p> <p>Processing files from directory /usr/sap/ZDIR_DEVICE/</p> <p>Message Type _-UGI3_-EAM_ISU_DEVICE01 detected for file Device.xml</p> <p>Device is uploaded to staging area with Change Request 000000002494</p> <p>Key Mapping is created between Equipment ID 10010094 and Equipment ID \$492</p> </div> </div>
<div>  <div> <p>Object type is Device</p> <p>Description: TEST</p> </div> </div>

- Open the Change Request and approve CR.

Change Requests

Show: Created by Me From To Go View: [Standard]

Export Workflow Log

Change Request	Description	Status	Changed On
2494	Created Using MDG Initial Load	Changes to Be Executed	

5. Click on Finalize approval.
6. Click on “Approve” button.

Process Change Request

Save Finalize Processing Send for Revision Close Read Only Print Preview Check Run Validation Validation Log Related Services

Change Request 2494 Type Import Device Master Status Changes to Be Executed

Overview Changes Notes Attachments

General Data

Processing: You are the processor of the change request

* Description: Created Using MDG Initial Load

Priority:

Created On:

Changed On:

Finalized On:

Due Date:

Reason:

Created By:

Changed By:

Finalized By:

Notes / Attachments

Notes: 1 note(s) exist(s)

Attachments: 0 attachment(s) exist(s)

Objects

Entity Type	Number
Equipment	0

ISU – Device Location

Use the following steps to import data:

1. Navigate to the data exchange tab > Data load > Import Master data

Import Master Data and Mapping Information

Import Simulate Import Custom Converter Settings Display Monitoring

Import Settings

* Object Type:

* Description:

Overwrite: ☐

Custom Converter:

Governance Settings

Governance: ☐

Post Processing: Manual Post Processing

Change Request Type:

Scheduling Settings

Scheduling: Import Now

Date: Time: 00:00:00

Parallel Processing Settings

Parallel Processing: ☐

Queue name:

Number of Processes: 0

Data Sources

Add Show Directory Content

Object Type	Source Directory
<input type="text"/>	<input type="text"/>

Scenario – 1: Manual Post Processing.

- Object type – UDLC
- Provide mandatory description
- Choose overwrite check box if you want the object to be overwritten
- Data Sources – Add the object type General Task List and source directory ZDIR_DEVLOC

Import Master Data and Mapping Information

Import Settings

* Object Type:

* Description:

Overwrite: ☒

Custom Converter:

Governance Settings

Governance: ☒

Post Processing:

* Change Request Type:

Scheduling Settings

Scheduling:

Date: Time:

Parallel Processing Settings

Parallel Processing: ☐


Queue name:

Number of Processes:

Data Sources



Object Type	Source Directory
Device Location	ZDIR_DEVLOC

- Click on "Import" button.

 Data import started with run number 10000398

- Click on "Display Monitoring" button to check the import log > Click on Run number to see details log.

Data Transfer Logs

Propagated Type/Date/Time/User
<div>  <div> <div>Description: TEST DEVLOC DIF</div> <div>Object Type Processing Sequence: Device Location</div> <div>Processing files from directory /usr/sap/ZDIR_DEVLOC/</div> <div>Message Type _UGI3_-EAM_ISU_DEVLOC01 detected for file Dev_Loc-1.xml</div> <div>Functional Location is uploaded to staging area with Change Request 000000002479</div> </div> </div>
<div>  <div> <div>Object type is Device Location</div> <div>Description: TEST DEVLOC DIF</div> <div>Debugging mode turned on</div> </div> </div>

- Open the Change Request and approve the CR.

Change Requests

Show: From: To: Go View:

Change Request	Description	Status	Changed On	Changed By
2479	Created Using MDG Initial Load	Changes to Be Executed		

5. Click on Finalize approval.

Process Change Request

Save Finalize Processing Send for Revision Close Read Only Print Preview Check Run Validation Validation Log Related Services

Change Request: 2479 Type: Import Device Location Master Status: Changes to Be Executed

Overview Changes Notes Attachments

General Data

Processing: You are the processor of the change request

Description: Created Using MDG Initial Load

Priority: [Dropdown]

Created On: [Redacted]

Changed On: [Redacted]

Finalized On: [Redacted]

Due Date: [Date Picker]

Reason: [Dropdown]

Created By: [Redacted]

Changed By: [Redacted]

Finalized By: [Redacted]

Notes / Attachments

Notes: 1 note(s) exist(s)

Attachments: 0 attachment(s) exist(s)

Objects

Entity Type	Number
Device Location	1

6. Click on "Approve" button.

Approve Change Request

Save Approve Reject Close Read Only Print Preview Run Validation Validation Log Related Services

Change Request: 2479 Type: Import Device Location Master Status: Final Check to Be Performed

Overview Changes Notes Attachments

General Data

Processing: You are the processor of the change request

Description: Created Using MDG Initial Load

Priority: [Dropdown]

Created On: [Redacted]

Changed On: [Redacted]

Finalized On: [Redacted]

Due Date: [Date Picker]

Reason: [Dropdown]

Created By: [Redacted]

Changed By: [Redacted]

Finalized By: [Redacted]

Notes / Attachments



Notes: 1 note(s) exist(s)


Attachments: 0 attachment(s) exist(s)


Objects




Entity Type	Number
Device Location	1




Display Device Location: Initial Screen


 

Device Location: 

 **Display Device Location: DL1806P1**

   Class Overview Functional Location

Device Location	<input type="text" value="DL1806P1"/>		 Notes
Description	<input type="text" value="sadsad"/>		
Status	<input type="text" value="CRTE"/>	<input type="text" value="0001 DUM1"/>	

Address
 

Location

Connection Obj.	<input type="text" value="36"/>	Test Mahesh Connection Object
MaintPlant	<input type="text" value="0001"/>	Werk 0001
Location	<input type="text"/>	
Locat. addition	<input type="text"/>	
Premise	<input type="text"/>	

AuthorizGroup

EN FunctLocation Lo...

