How-To Guide: DT Import (DIF) Doc for Service Master

Applies to

MDG EAM Solutions by Prometheus Group.

Summary

SAP Master Data Governance for Service master (MDG-SM) provides business processes to find, create and change Service master data, and to mark it for deletion. It supports the governance of service master data on a central hub and the distribution of service master data to connected operational and business intelligence systems.

The processes are workflow-driven and can include several approval and revision phases, including collaboration between all users participating in master data maintenance. You can use the Import Master Data service to import files containing service and classification data to the Master Data Governance system.

You can also import key and value mapping information. The data from these files can update existing master data records or create new ones using the options available in the Import Master Data service.

This guide provides background information about the Data Import Framework (DIF) and describes how to use the DIF to upload service master data from a CSV file. 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
- WE20 – Set up partner profiles
- WE21 – Set up ports
- DRFIMG – IMG Data Replication Framework
- IDMIMG – IMG Key Mapping

Company: Prometheus Group

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Introduction

Data transfer represents a collection of functions and features 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. To transfer master data and mapping information, perform the following steps:

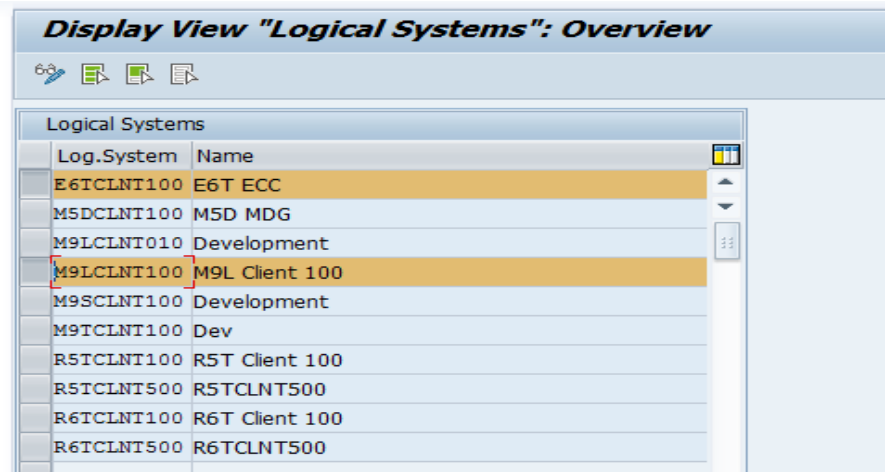
1. Export the master data and mapping information from the source system to an XML file. This file rests on your application server.
2. Copy the XML file from the application server of the source system to the application server of your target system.
3. Import the master data and mapping information to the target system using the Data Import Framework.

Steps for ALE Scenario Configuration

This guide uses the system E6T and its client 100 as target system and M9L as MDG hub system. Ensure to replace system ID and client ID with your own system data.

Define Logical Systems

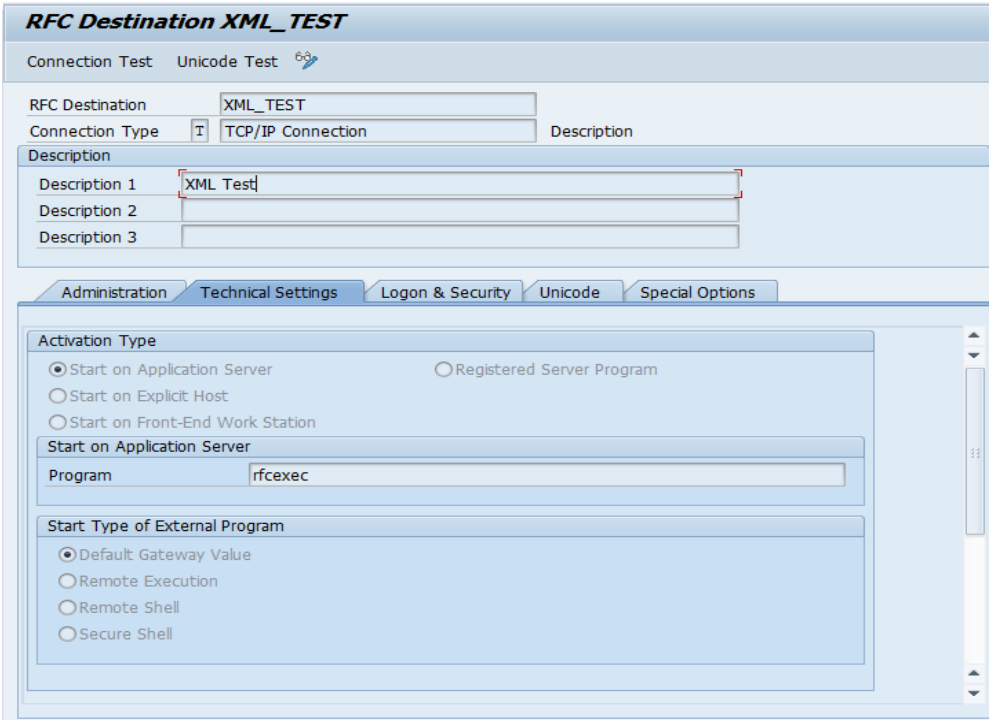
Define two logical systems: MDG System (M9L) and ALE System (E6T).



Define an RFC Connection

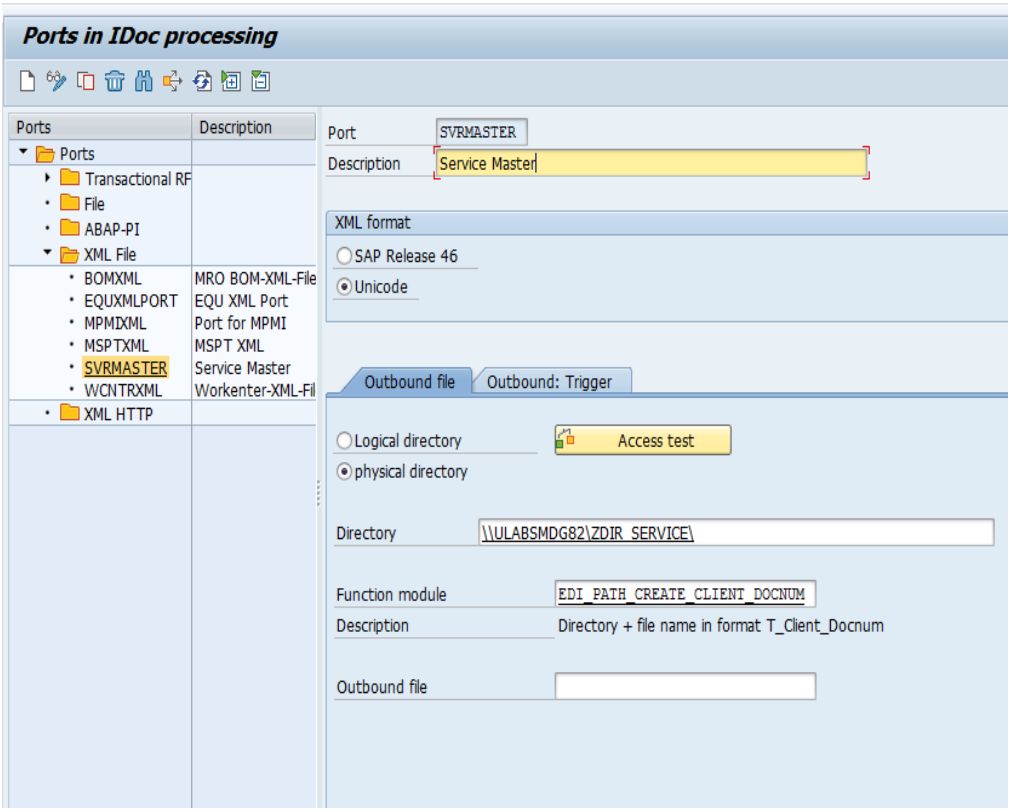
Use the following steps to define the RFC connection:

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.



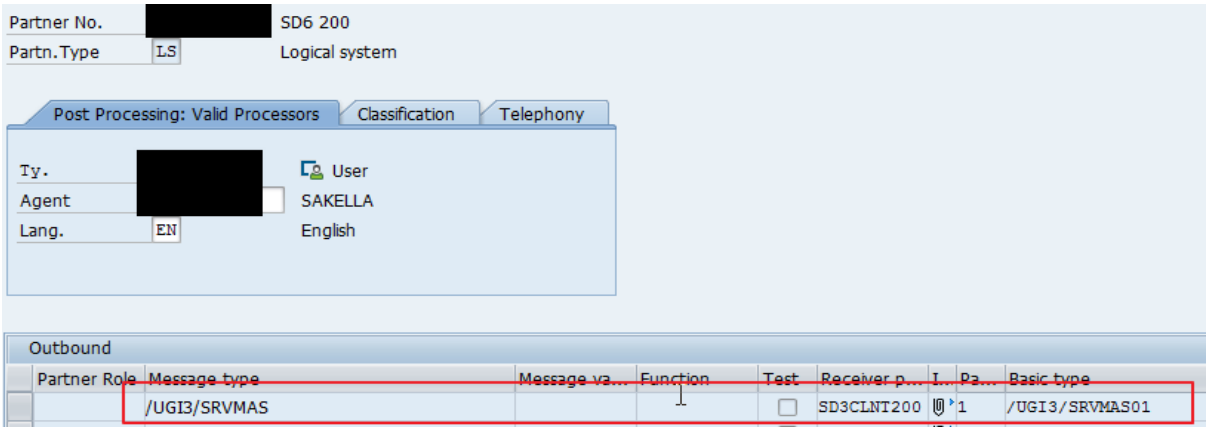
Define an XML Port

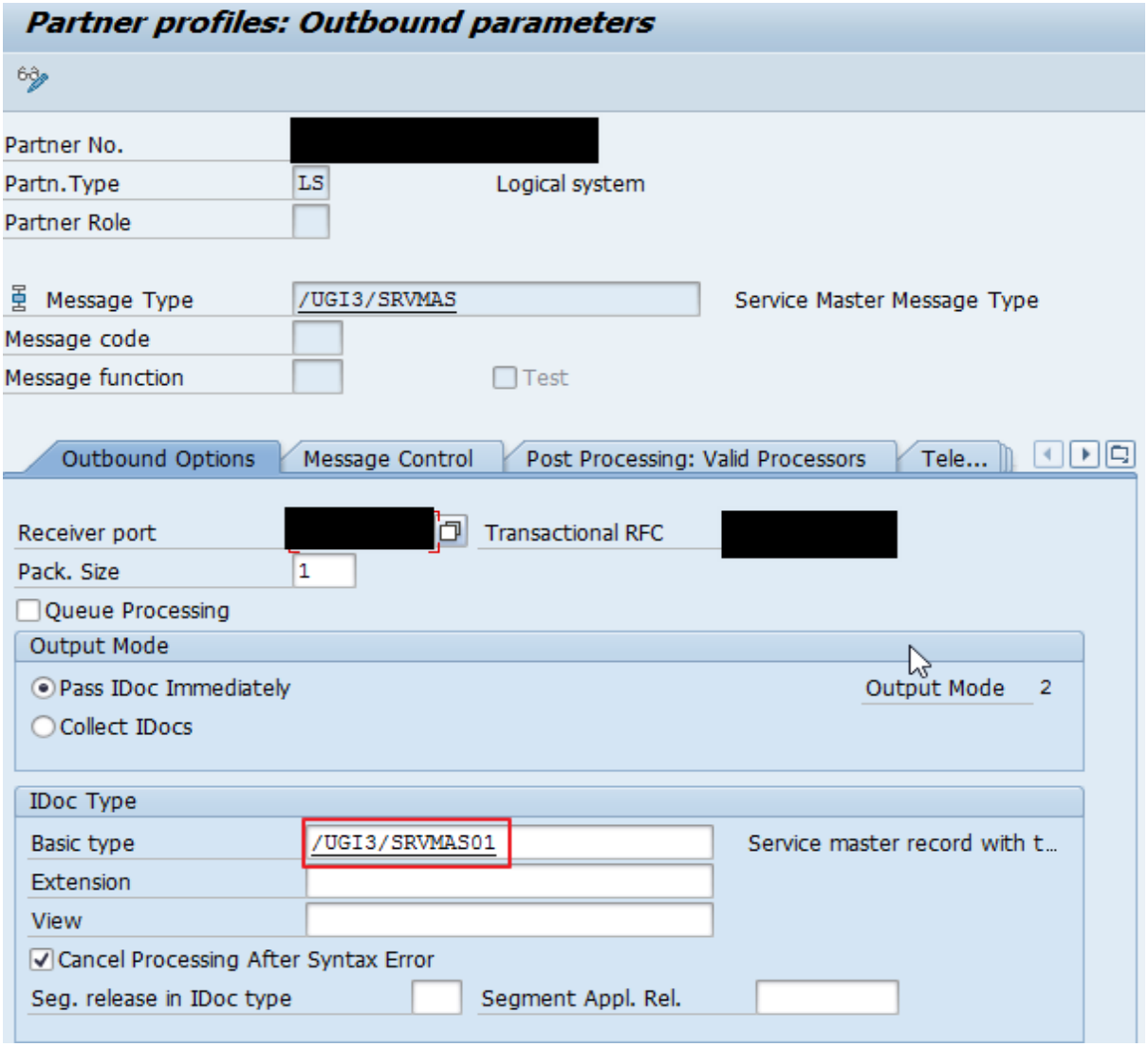
Run the t-code WE21 > Create an XML File type port.



Define Partner profiles

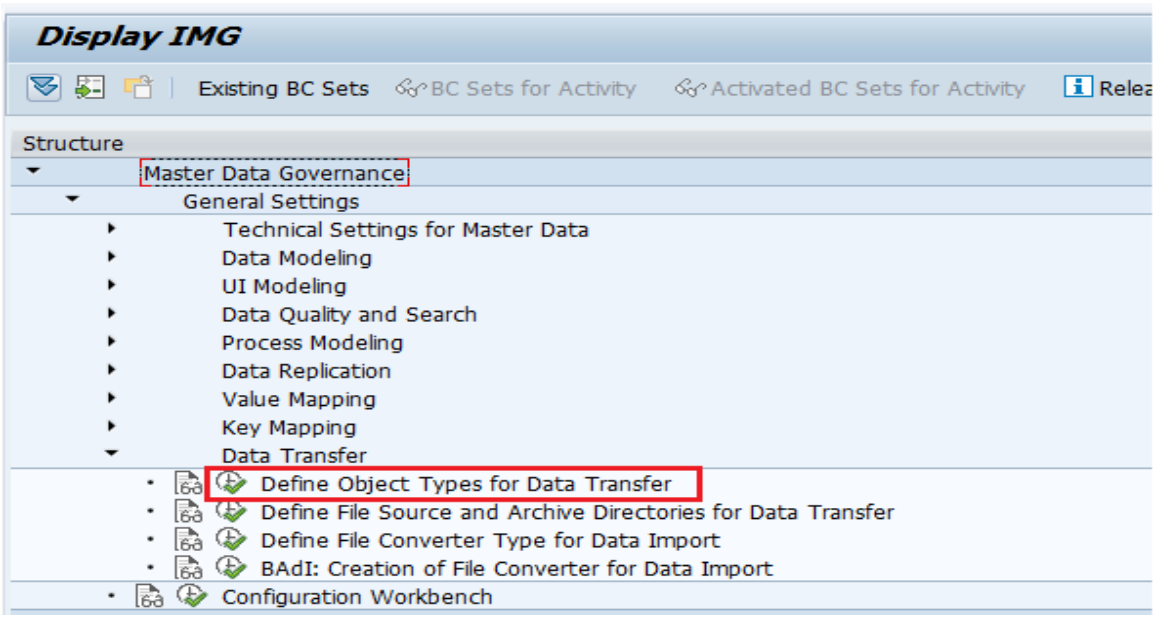
Run the t-code WE20 > Locate the MDG Target Client under tree node Partner Profile LS > Maintain the following settings.



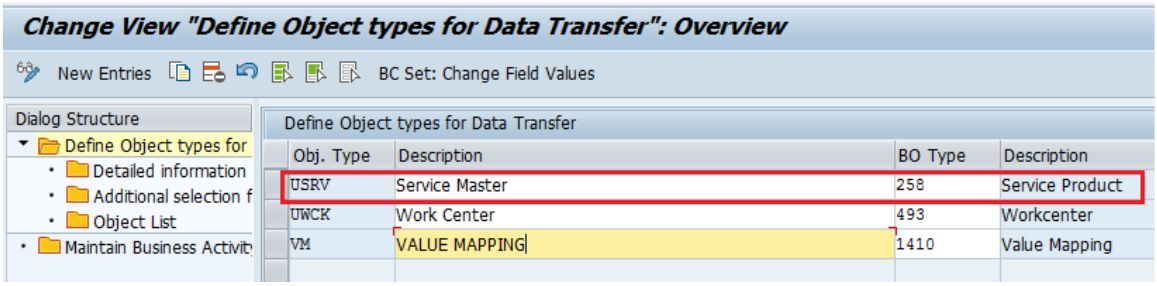


Define Object Types

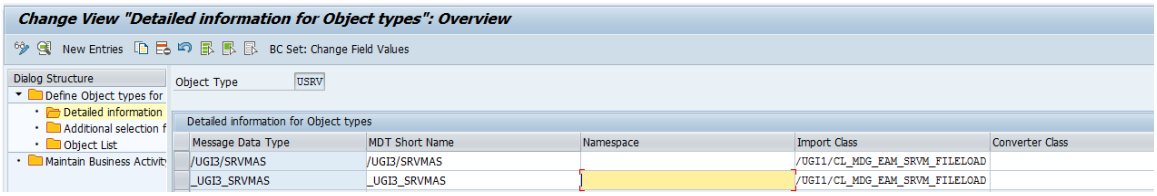
Navigate to Master Data Governance > General Settings > Data Transfer > Define Object Types for Data Transfer.



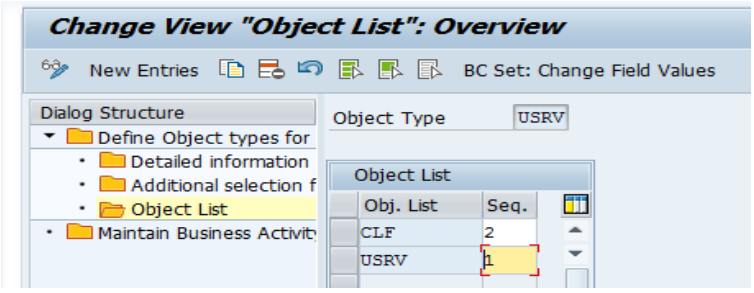
1. Create object type for BO Type 258 (Service Master).



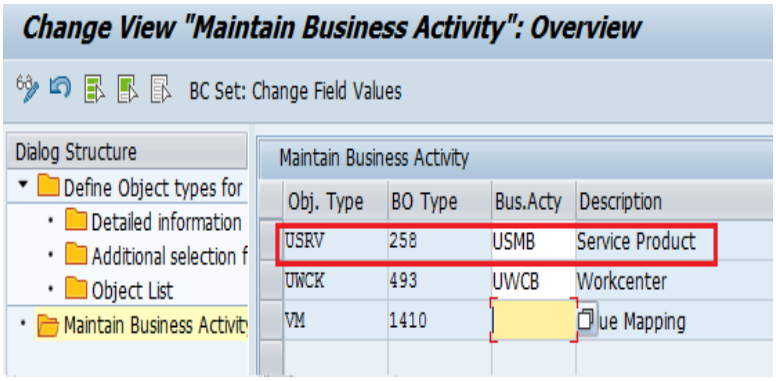
2. Assign the Message Data Type and Import Class.



3. Provide the object list.



4. Maintain the business activity for the object type USRV.

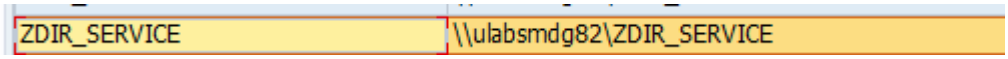


File Source and Archive directories

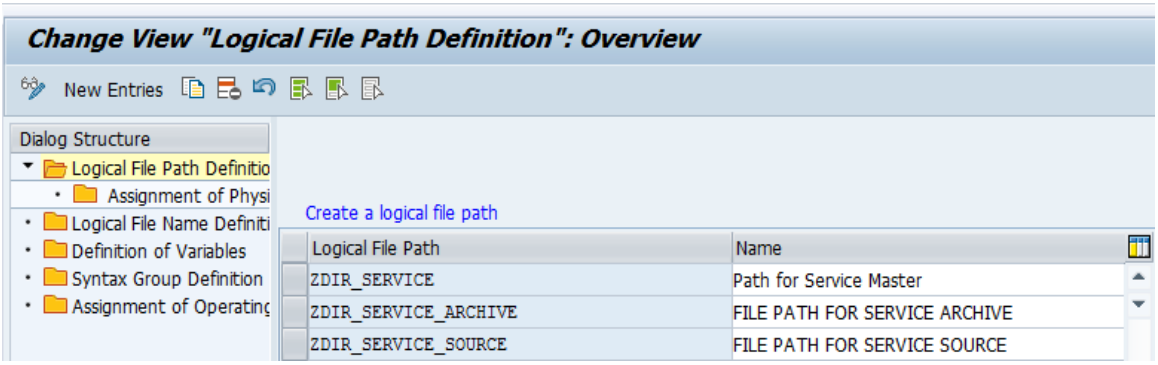
To set up the data import, define source and archive logical directories in the MDG Data Transfer Customizing activity needs to be defined.

To assign directories as sources or archives, the physical directory paths must first be created in the file system (Please contact BASIS for directory paths creation). Then the SAP t-code FILE must be used to map them to logical names.

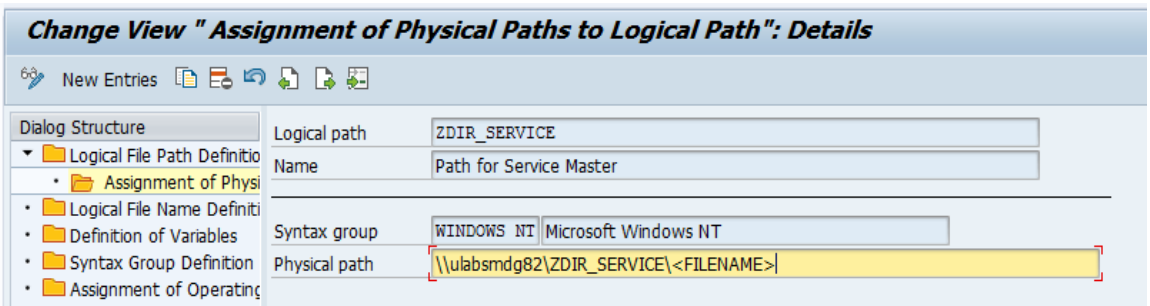
1. Run the t-code AL11 to verify the directory path creation.



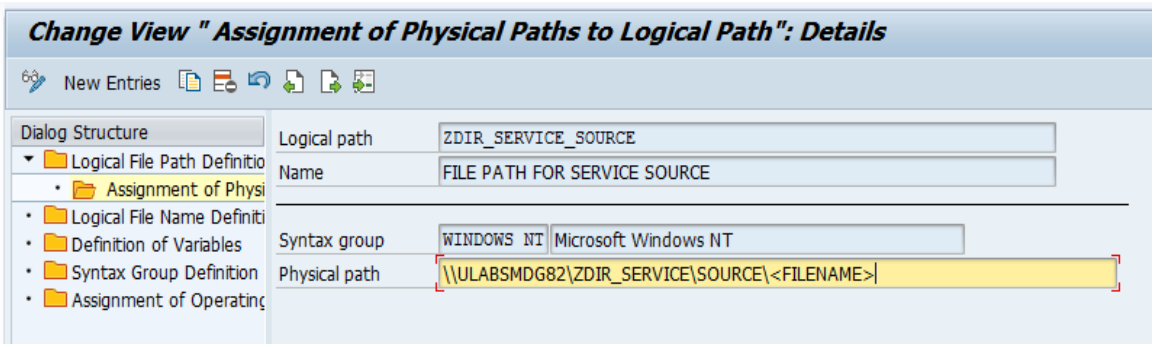
2. Run the t-code FILE to map the directory path to logical names.



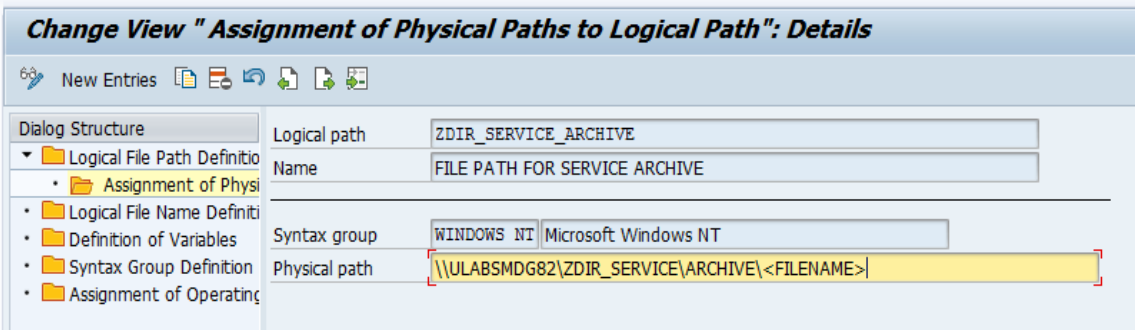
3. Physical path assignment for ZDIR_SERVICE:



4. Physical path assignment for ZDIR_SERVICE_SOURCE:

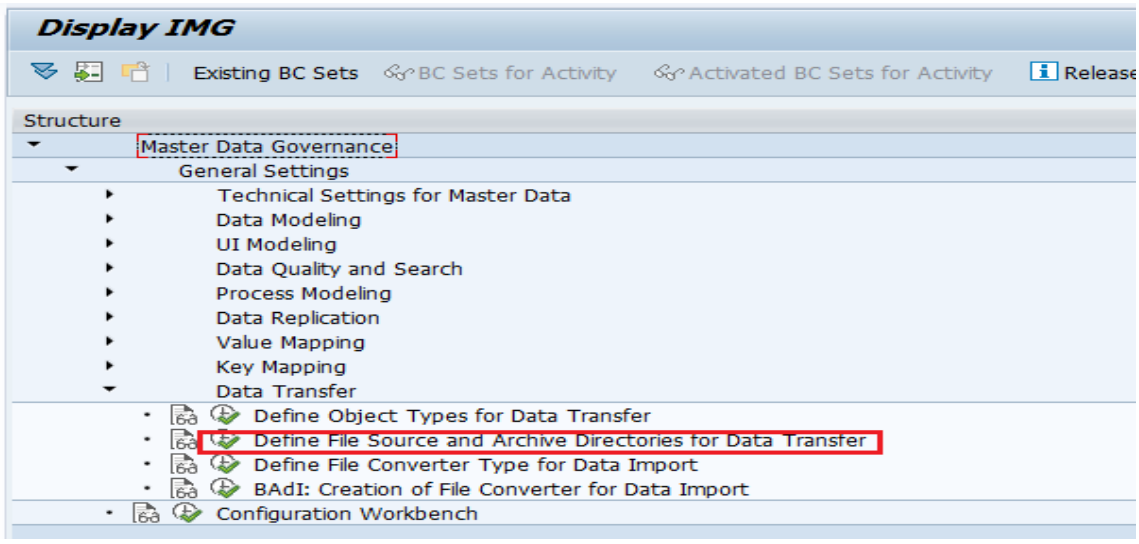


5. Physical path assignment for ZDIR_SERVICE_ARCHIVE:

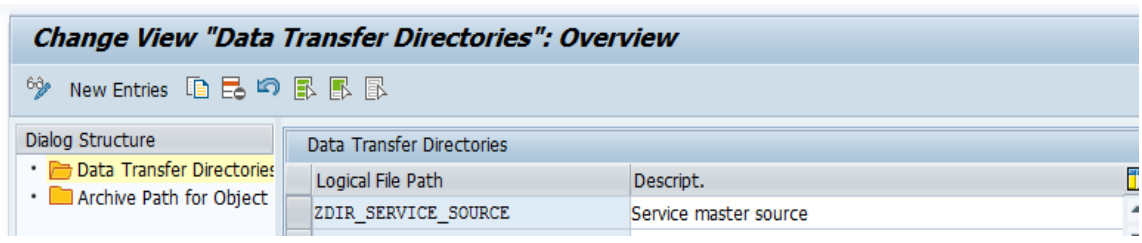


Defining Source and Logical directories

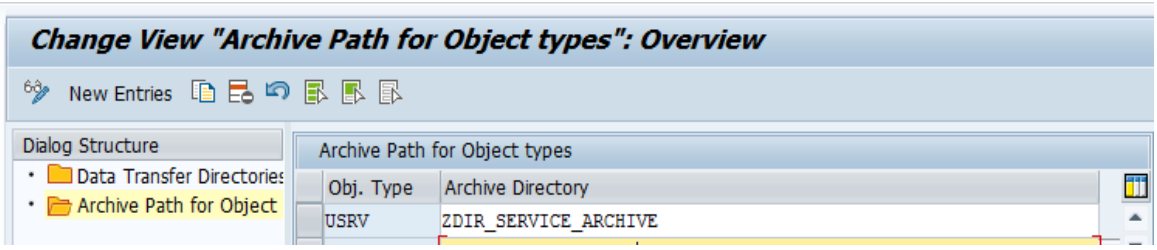
Navigate to Master Data Governance -> General Settings -> Data Transfer -> Define File Source and Archive Directories for Data Transfer.



1. Add the data transfer directory.

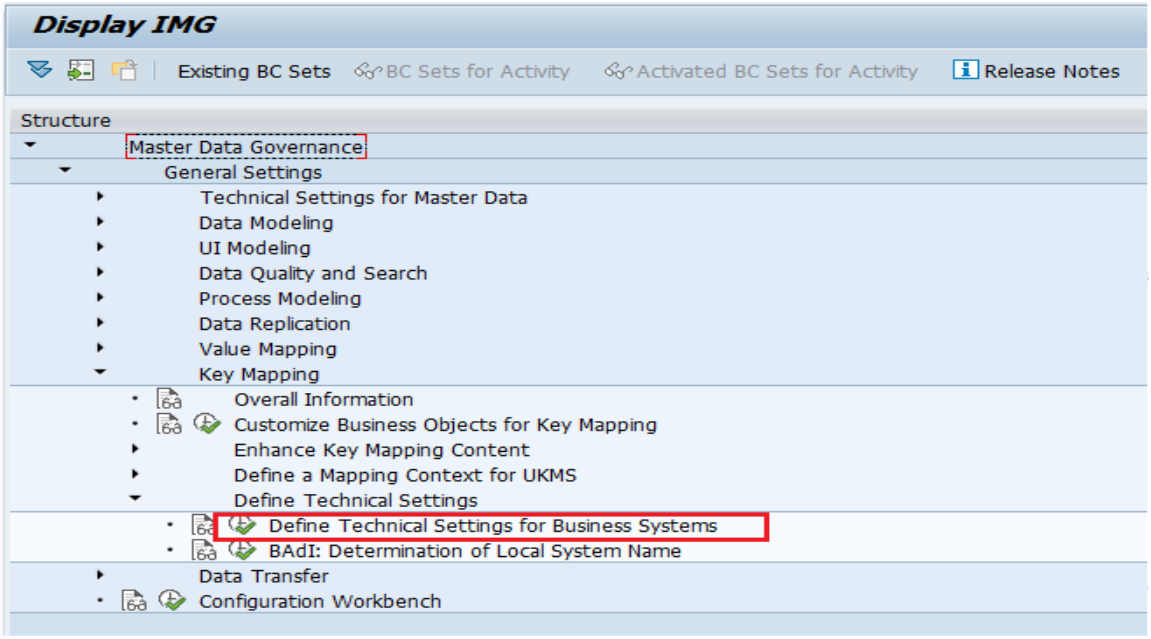


2. Add the archive path for object type USRV.

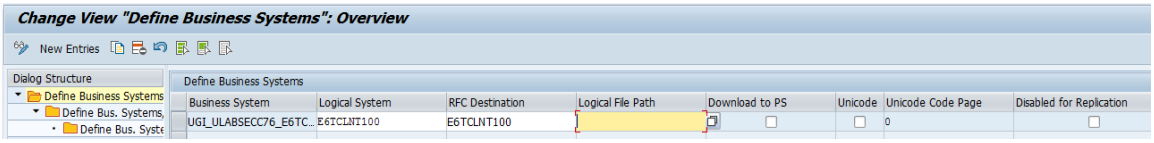


Define the Technical Settings for Business Systems

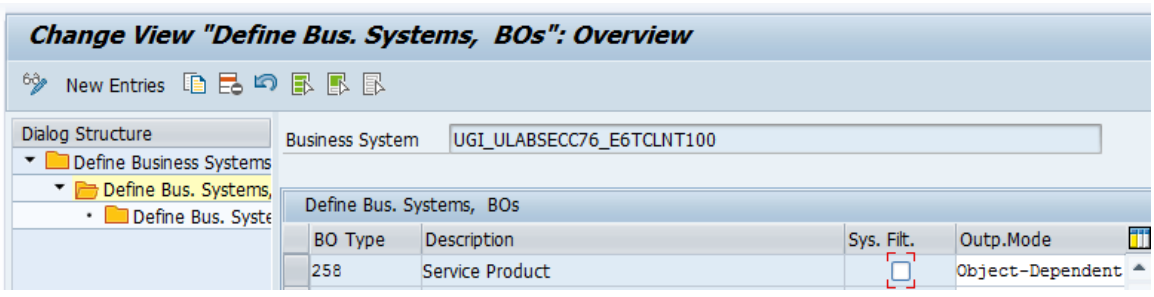
Go to > Master Data Governance > General Settings > Key Mapping > Define Technical Settings > Define Technical Settings for Business Systems.



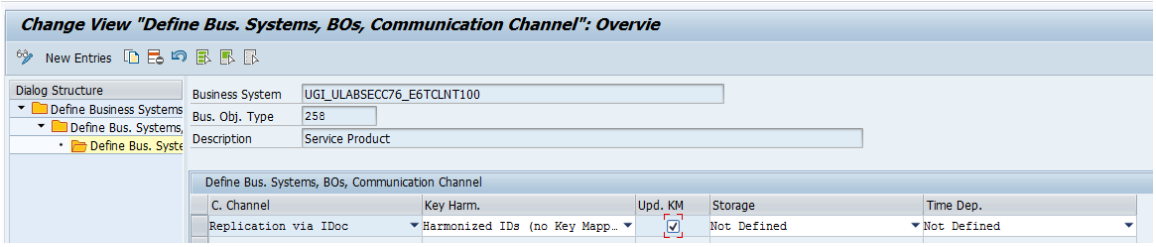
1. Define the business system.



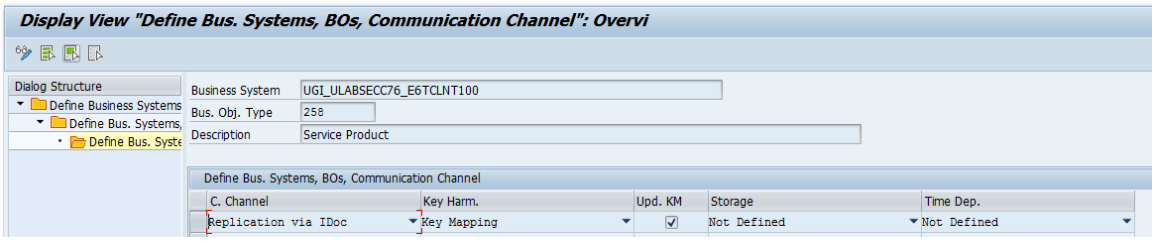
2. Add the BO Type for the business system.



3. For Harmonized scenarios, update the following communication channel settings.



4. For Key Mapping scenarios, update the following communication channel settings.



Test Scenario for DIF

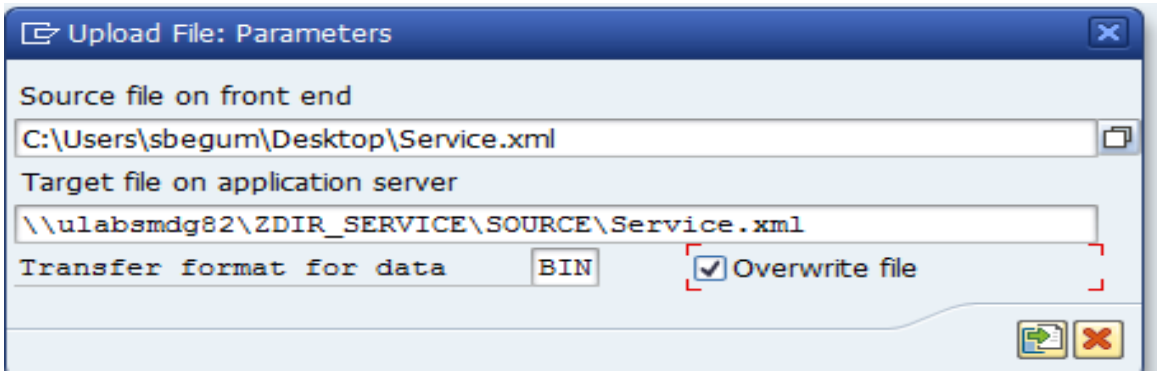
Use the XML file attached for uploading to application server.

Service.xml

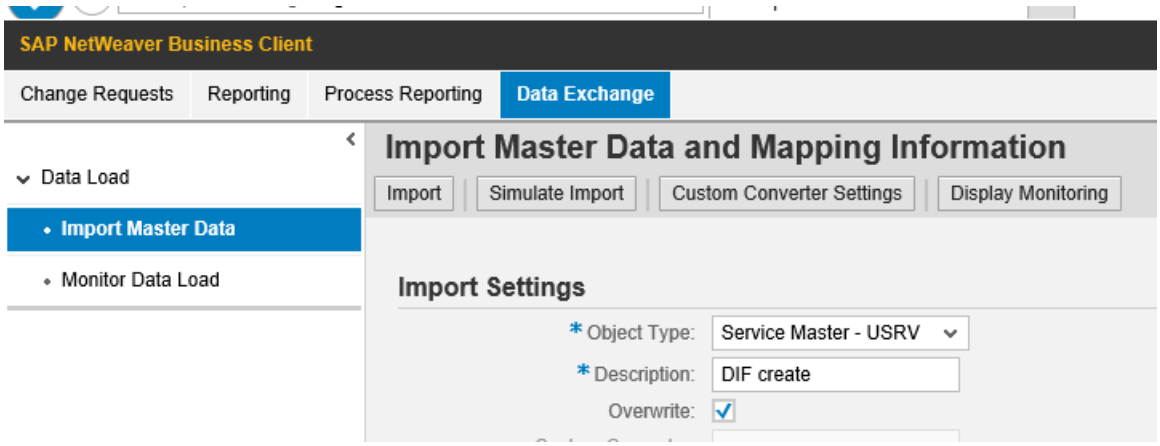
Data Import

Use the following steps to import data:

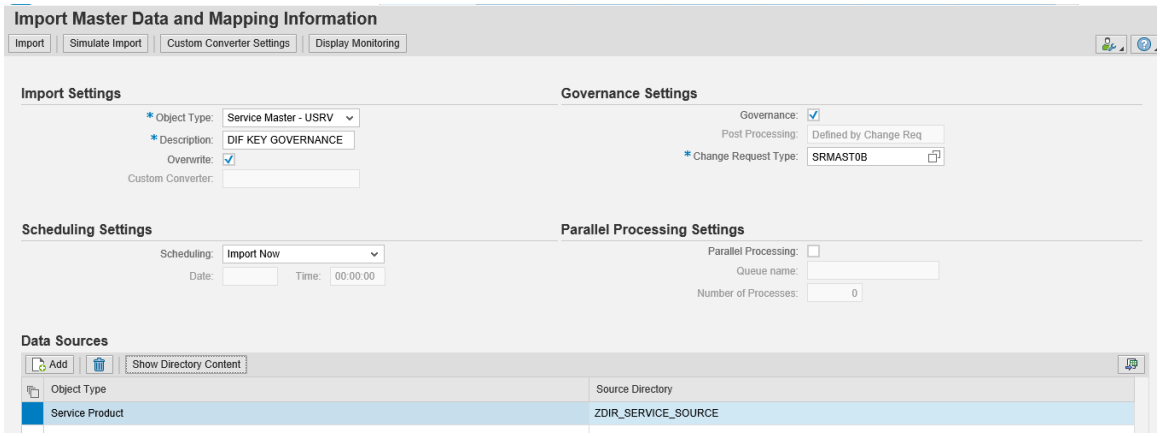
1. Upload the file to Application Server.
   Run the t-code CG3Z > Choose the upload file Parameters > Source file on front end and Target file on application server paths > Click on upload icon.



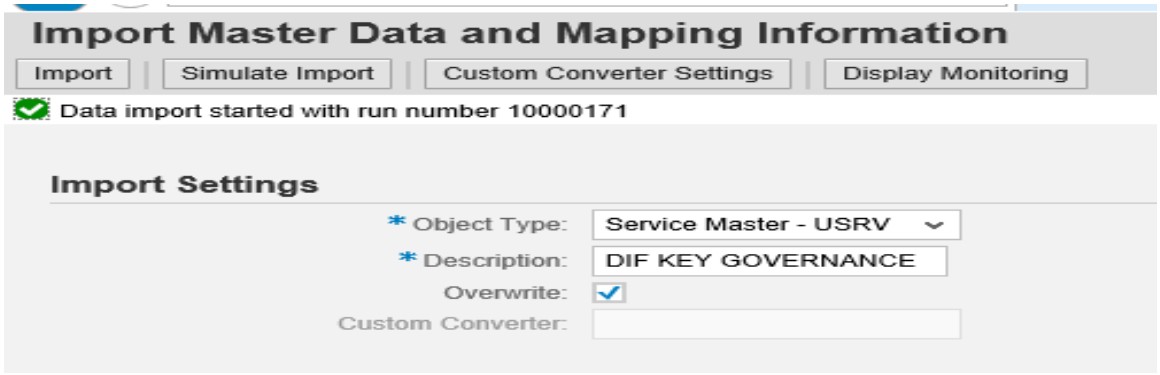
2. Run Data Import.
   Navigate to the data exchange tab > Data load > Import Master data.



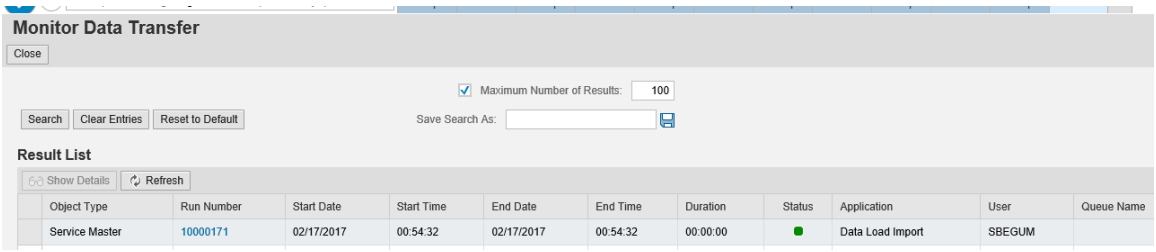
3. Update the following details in the new window.
   - Object type – USRV
   - Provide mandatory description
   - Choose overwrite check box if you want the object to be overwritten
   - Select the Governance check box
   - Choose the Change Request type “SRMAST0B”
   - Data Sources – Add the object type Service Product and source directory ZDIR_SERVICE_SOURCE



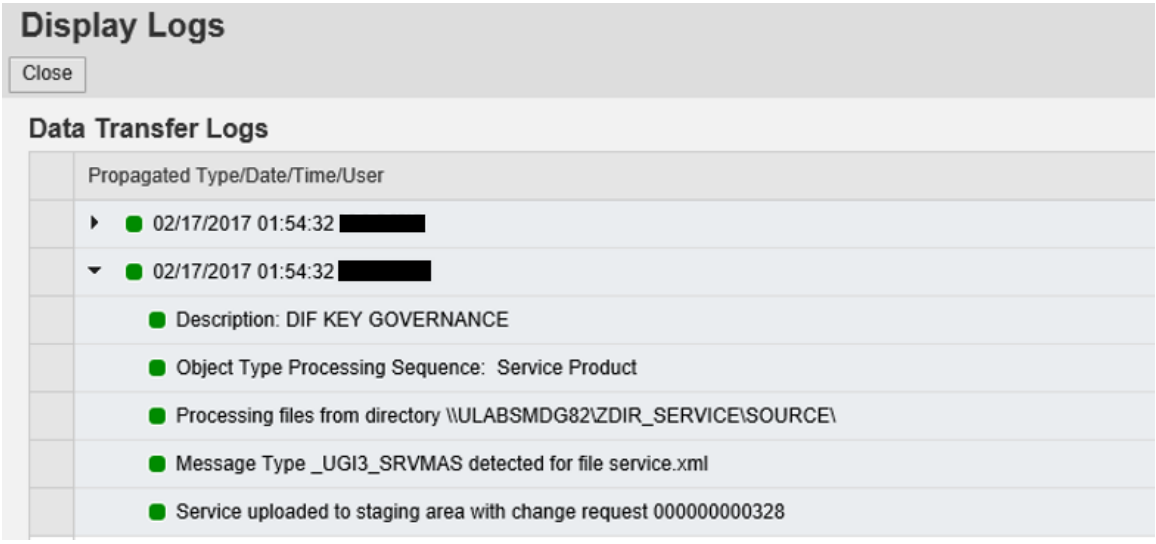
4. Click on the “Import” button.



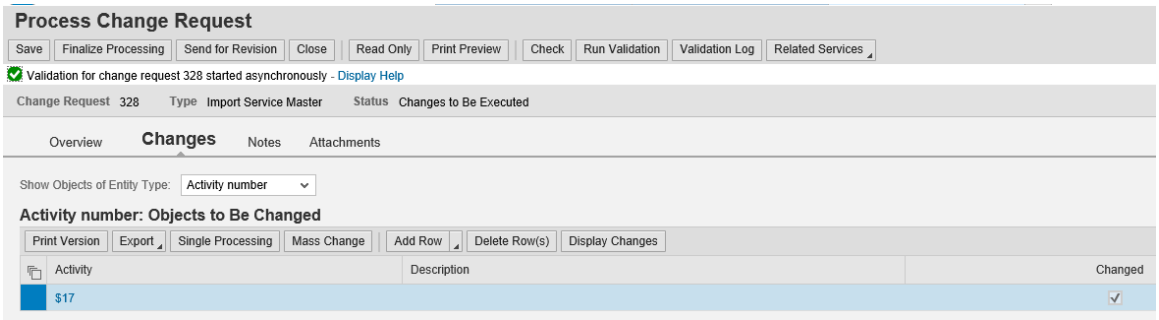
5. Click on “Display Monitoring” button to check the import log.

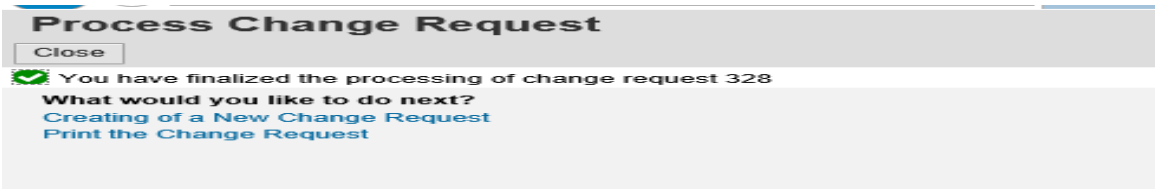


6. Click on the Run number to see details log.

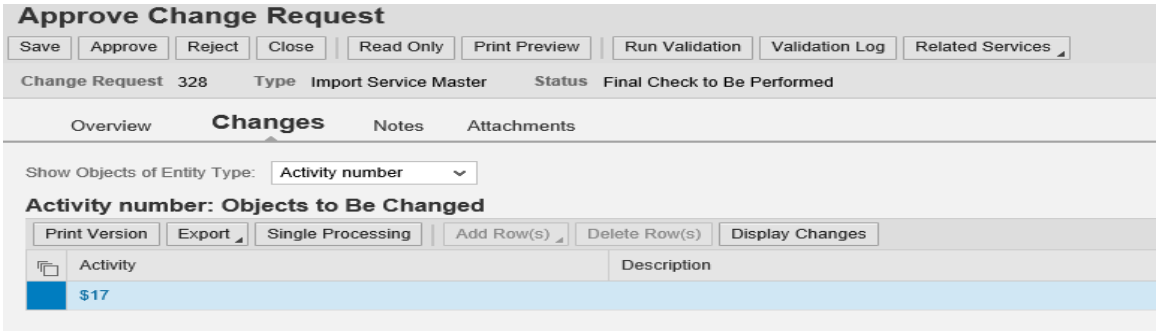


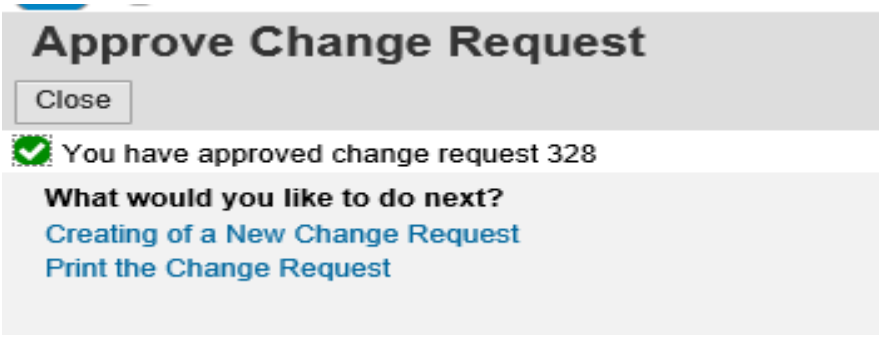
7. Go to Reporting tab in NWBC, under My Change Requests options select the newly created Change Request.
8. Click on Finalize Processing.

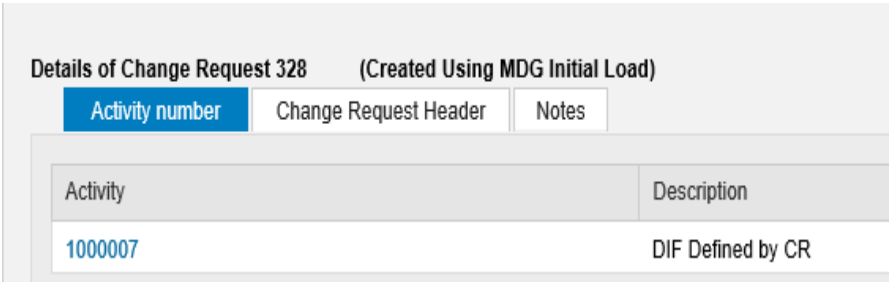




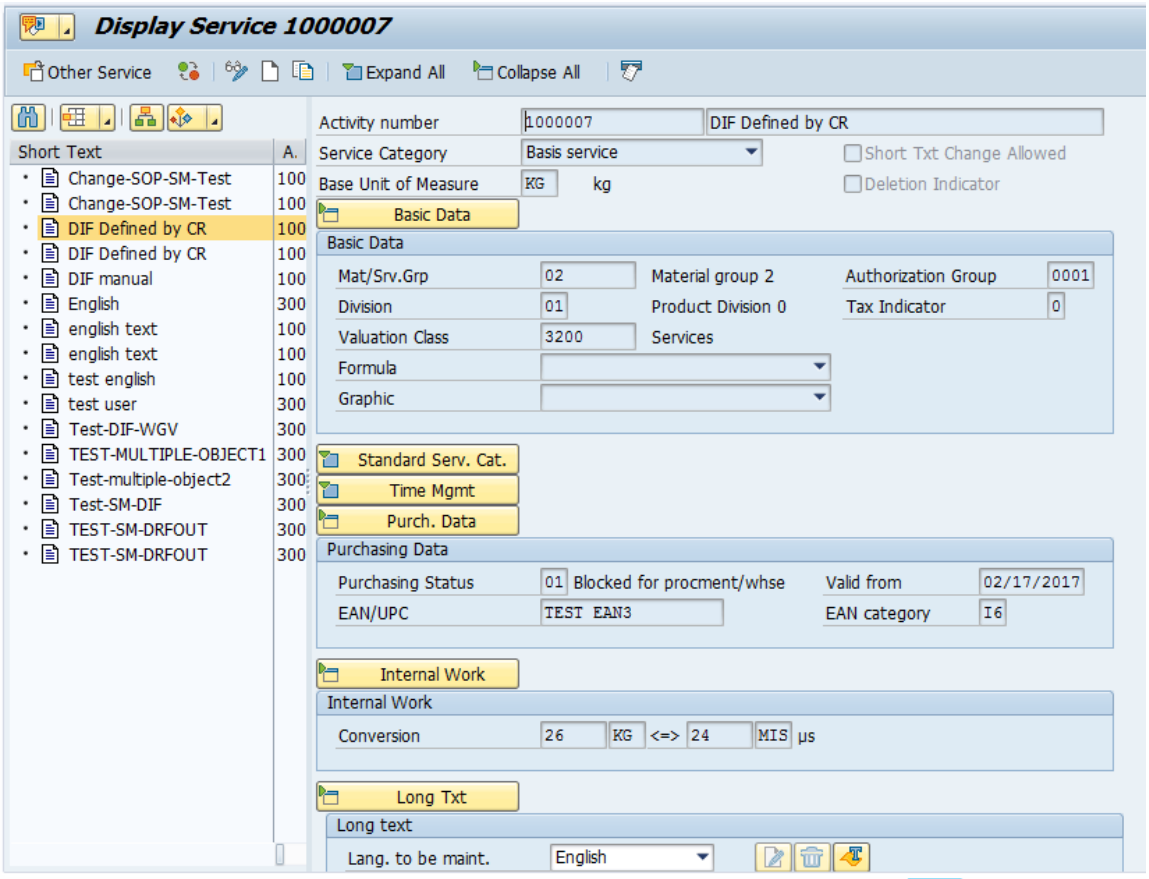
9. Go back to Change Requests > Select the Change Request.
10. Click on Approve Change Request.





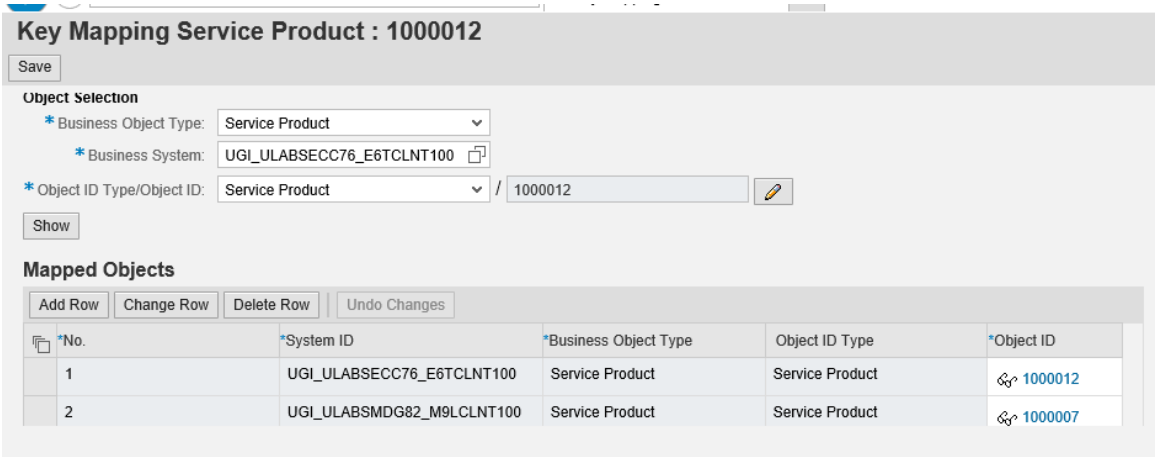


11. Go to the ECC system and check whether service is created.
Run the t-code AC03 > Provide Activity number.



Maintain Key Mapping for Service Master

1. Run the t-code MDG_KM_MAINTAIN.
2. Select the business object type as ‘Service Product’. Choose the target system against the business system. Provide the activity number created in target system. Click on ‘Show’.



1. If no key mapping exists for the above object id, click on “Add Row” button to maintain the key mapping > Save.

Prerequisites for Key Mapped value updation in HUB system

- Set up the background job for report RBDSTATE in client system.

Prerequisites for Classification IDocs

- Set up the background jobs for the reports /UGI/EAM_IDOC_REP and RBDMANI2 in the hub system.

Troubleshooting Key Mapping

T-code MDG_KM_MAINTAIN

- Select client system as the Business system for DIF.
- Enter object id value without leading zeros.