Configuration Guide for RFM Solutions by Utopia for S/4HANA

Release 9.2

Document History

The following tables provide an overview of the most important document changes and approvals.

Version	Date	Description	Author/Reviewer
1.0	26-04-2019	Initial version	Gowri Sendhilkumar/Teena Dominic

Approval History

Version	Date	Description	Name
1.0	26-04-2019	Initial version	Lyle Snyder

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1. Introduction

This document provides the information you require to configure SAP Master Data Governance (MDG) for Utopia RFM Solutions and the optional RMP Mass Processing solution.

1.1. Purpose

This Configuration guide provides the information you require to set up SAP Master Data Governance (MDG) for Utopia Retail and Fashion Management (RFM) extension Solutions for MDG 9.2 for S/4HANA 1709/1809 solution and the optional RMP Mass Processing solution.

1.2. Target Audience

This guide is intended for:

- System Administrators
- Technical Consultants
- Functional Consultants

1.3. Organization

This guide primarily consists of the following sections.

- Prerequisites/Before You Start
- Configuration Process – Upgrade
- Configuration Process

Configuring Retail and Fashion Management 9.2

2. Prerequisites/Before You Start

Before you start using RFM in the suite SAP Master Data Governance (MDG) for Utopia RFM Solutions, make sure that the following prerequisites are fulfilled.

The following topics are discussed in the section:

- Business Function
- Set Up Workflow
- Set Up Search
- Import MDG Content for RFM
- Adjust Profile Parameters
- User Roles
- Web Dynpro Applications
- Number Ranges

2.1. Business Function

1. Before you activate the business functions, make sure that you have the administration authorization for MDG.

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Note

The required authorization objects are delivered with the authorization role SAP_MDG_ADMIN. In t-code PFCG, Utopia recommends you to create a copy of SAP_MDG_ADMIN role and assigning the relevant authorization values. For the authorization object USMD_DM Data Model you need to assign the values for the authorization field USMD_MODEL Data Model (here AR) and the values for the authorization activity ACTVT Activity.

Example:

01: Create or Generate

02: Change

2. Make sure that you have activated the following business functions:
   - Business Function Set SAP Retail (ISR_RETAILSYSTEM)
   - Master Data Governance, Generic Functions (MDG_FOUNDATION)
   - Master Data Governance, Generic Functions 2 (MDG_FOUNDATION_2)
   - Master Data Governance, Generic Functions 3 (MDG_FOUNDATION_3)
   - Master Data Governance, Generic Functions 7.0 (MDG_FOUNDATION_4)
   - Master Data Governance, Generic Functions 7.0 Feat. Pack (MDG_FOUNDATION_5)
   - Master Data Governance, Generic Functions 8.0 (MDG_FOUNDATION_6)
   - Master Data Governance, Generic Functions 9.0 (MDG_FOUNDATION_7)
   - Master Data Governance, Generic Functions 9.1 (MDG_FOUNDATION_8)
   - Master Data Governance, Generic Functions 9.2 (MDG_FOUNDATION_9) (S4H 1809 Only)

3. For additional BCV Content activate business function /BCV/NWBC_SIDEPANEL. If you want to use the MDG for Utopia RFM homepage or the Business Context Viewer, activate the business functions /BCV/MAIN and /BCV/MAIN_1.

   For more information on the Business Context Viewer, see Business Context Viewer in Single Processing [External].

2.2. Set Up Workflow

1. To use the Rule-Based Workflow processes of SAP Master Data Governance Retail and Fashion Management extension by Utopia, make sure that you have defined general settings for SAP Business Workflow [External File] in Customizing for SAP NetWeaver under Application Server > Business Management > SAP Business Workflow.

   Note

   Regenerate the authorization profile of SAP_ALL or include USMD* authorization objects into the authorization for the user SAP_WFRT.

2. To activate the workflow features, use the semi-automated configuration in transaction code (t-code) SWU3. Alternately, you can access these settings in Customizing under SAP NetWeaver > Application Server > Business Management > SAP Business Workflow > Maintain Standard Settings.

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While maintaining the settings, make a note of the following:

- When you are configuring the RFC destination, superuser authorization is required to create the default SAP_WFRT user.
- Regenerate the authorization profile for SAP_ALL or include the USMD* authorization objects into the authorizations of the user SAP_WFRT.
    a. For the Check Entries from HR Control Tables section, execute report RHSOBJCH in t-code SE38 and keep the default settings.
    b. Maintain the prefix numbers for the standard objects.
    c. You do not require to maintain the Web Server node and Guided Procedures section.

2.3. Set Up Search

MDG-RFM 9.2 deployed on S/4HANA 1709/1809 offers HANA Search technologies as HDB is the primary database.

2.4. Import MDG Content for RFM

For this activity, refer to UGI_RFM_9.2_Installation Guide_S4H [External File].

2.5. Adjust Profile Parameters

Ensure that the profile parameter size for the shared object's memory is correct. To check this setting run t-code RZ11 and verify that the value for parameter ABAP/shared_objects_size_MB is between 200 and 300 megabytes.

If you want to use the SAP NetWeaver Business Client with the single sign-on, ensure that the parameters login/create_sso2_ticket and login/accept_sso2_ticket are set correctly.

Use t-code RZ11 to check that the host name is fully qualified for parameter icm/host_name_full

2.6. User Roles

Assign the following MDG-RFM standard roles to the users, depending on their responsibilities in the Company:

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- /UGI4/MDGRFM_MENU - Master Data Governance for RFM: Menu (Only Menu)
- /UGI4/MDGRFM_REQ - Master Data Governance for RFM: Requester
- /UGI4/MDGRFM_SPEC - Master Data Governance for RFM: Specialist
- /UGI4/MDGRFM_STEW - Master Data Governance for RFM: Data Steward
- /UGI4/MDGRFM_DISP - Master Data Governance for RFM: Display

Assign the following MDG-RFM for FMS standard roles to the users, depending on their responsibilities in the company:

- /UGI4/MDGRFM_FMS_MENU - Master Data Governance for FMS: Menu (Only Menu)
- /UGI4/MDGRFM_FMS_REQ - Master Data Governance for FMS: Requester
- /UGI4/MDGRFM_FMS_SPEC - Master Data Governance for FMS: Specialist
- /UGI4/MDGRFM_FMS_STEW - Master Data Governance for FMS: Data Steward
- /UGI4/MDGRFM_FMS_DISP - Master Data Governance for FMS: Display

Ensure that you must have the following user roles assigned correctly in the PFCG t-code:

SAP_MDGA_MENU – Master Data Governance: Analytics

This role contains authorizations for basic tasks relevant to the configuration and administration of SAP Master Data Governance (MDG) for all domains. Some authorizations allow critical activities. If you have multiple users involved in the configuration and administration of MDG content, Utopia recommends you split this role into several new roles and assign each new role a subset of the authorizations for this role. Such an approach ensures users only complete tasks they are responsible for and reduces the risk of critical errors. Authorizations for the MDG transactions are not included in this role.

SAP_PAGEBUILDER_DISPLAY role is required to use the Page Builder tool for accessing homepages created using Page Builder.

2.7. Web Dynpro Applications

2.7.1. Activating services

Use t-code SICF to activate the services. For a detailed list of the relevant services, see Services to be activated for Web Dynpro Applications [External File].

Note

For the security reasons, services delivered for Web Dynpro applications are in an inactive state. You must activate the required service. Once service is activated, it cannot be reset to the inactive state.

Refer to the web services for MDG-CO (for example Custom Objects) that needs to be activated.

Additionally, activate the following custom web services for MDG-RFM

- default_host → sap → bc → webdynpro → ugi4 → WDA_INBOX
- default_host → sap → bc → webdynpro → ugi4 → WDA_MDG_RFM_CFG

2.8. Number Ranges

Use t-code SNRO to ensure that the objects below have the listed number range values.

Object	Interval number	From Number	To Number
/UGI4/RT	01	0000000000000001	0000009999999999

Object	Interval number	From Number	To Number
DATLDLOGID (Only maintain if the object exists in your system)	01	10000002	99999999

2.8.1. Specific Prerequisite Notes

Refer to UGI_RFM_9.2_Installation Guide_S4H – Section 1.5 for the Pre-requisite Notes.

3. Configuration Process – Upgrade

If the current system is already configured with MDG RFM 9.1, then only the steps listed below from section 4.1 are required to be performed for the upgrade to RFM 9.2.

- Perform section 4.1 step 2 B
- Perform section 4.5.2 (only for S4 HANA 1809)

4. Configuration Process

This process describes the minimal set of customizing steps and recommended check activities required to do the following:

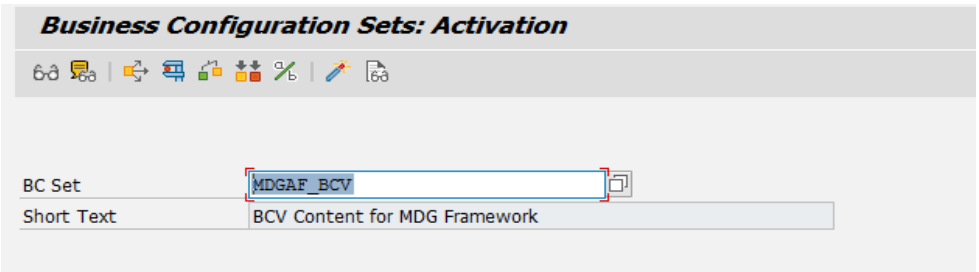
- Activating Business Configuration Set
- Assigning an Internal Key
- Navigating User Interface
- Verify UI Modeling (Optional)
- Set Up Search
- Verify Data Quality, Search Settings, and Duplicate Check
- Configuration Change Request Settings
- Configure Workflow Tasks
- Set Up the Rule-Based Workflow
- Set Up of Data Replication
- Choose where you want to run SAP MDG
- Configure Process Quality Metrics (Optional)
- Final Steps

4.1. Activating Business Configuration Set

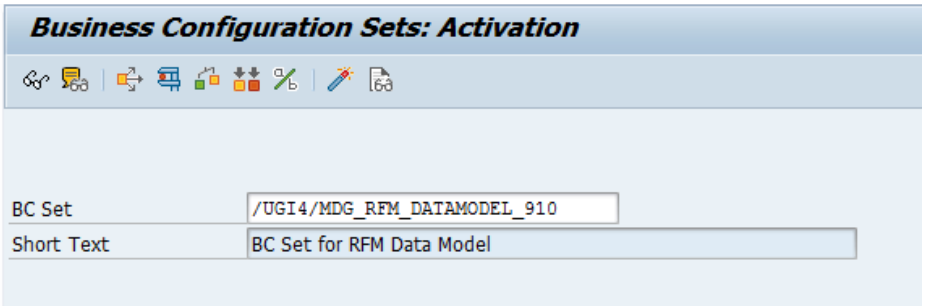
To enable the MDG-RFM pre-delivered content, some BC Sets need to be activated in the following sequence:

1. MDGAF_BCV: BCV Content for MDG Framework

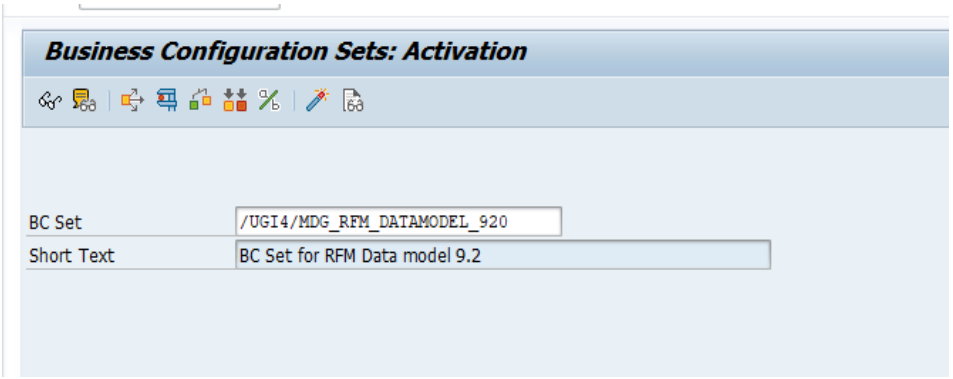
   Go to t-code SCPR20 and activate.



2. /UGI4/MDG_RFM_DATAMODEL_910: BC Set for MDG RFM Data Model
   Go to t-code SCPR20 and activate.



3. /UGI4/MDG_RFM_DATAMODEL_920: BC Set for MDG RFM Data Model
   Go to t-code SCPR20 and activate. This is an upgrade specific step for MDG RFM 9.2.



Once the above BC sets are activated, you need to activate the Data Model AR.

Use the following steps to activate the Data Model AR:

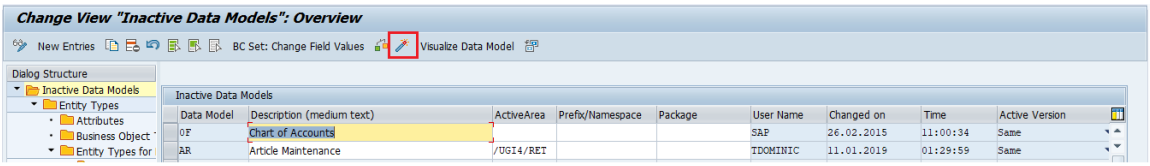
- Check (or enhance) and activate the AR Data Model.
- Check whether you can use the Data Model delivered by SAP for managing your Article master data with MDG-RFM solution.

Activate the delivered Data Model AR in Customizing for Master Data Governance under General Settings > Data Modelling > Edit Data Model.

Note

You can select the governance scope at any point after you activate the Data Model. The governance scope determines which fields from the Data Model can be edited by the Master Data Governance application. Use this customizing activity to narrow the governance scope Master Data Governance > General Settings > Process Modeling > Define Governance Scope.

By deactivating or reactivating an entity, a relationship, or an attribute you are not changing any dictionary or database object, you are only changing the ability of MDG to edit the chosen object. When you take a field out of governance scope it becomes read-only on the MDG UI and you can remove it if you want.



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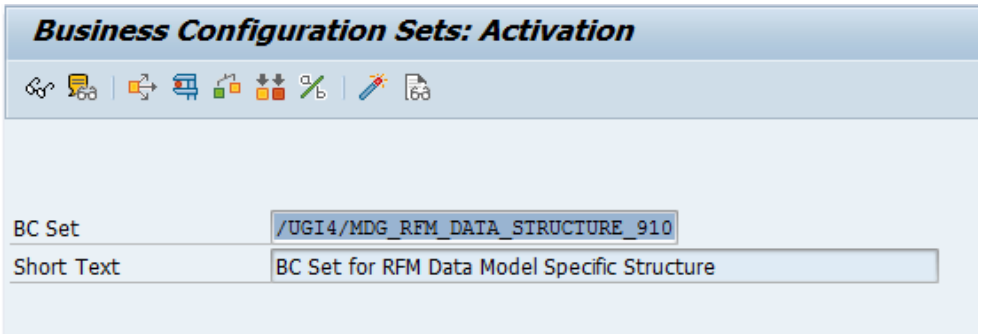
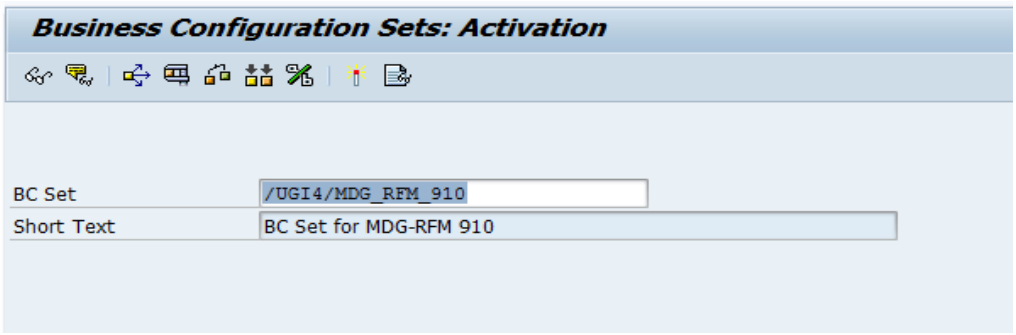
4. /UGI4/MDG_RFM_DATA_STRUCTURE_910: BC Set for MDG RFM Data Model Specific Structures.

   Go to t-code SCPR20 and activate.



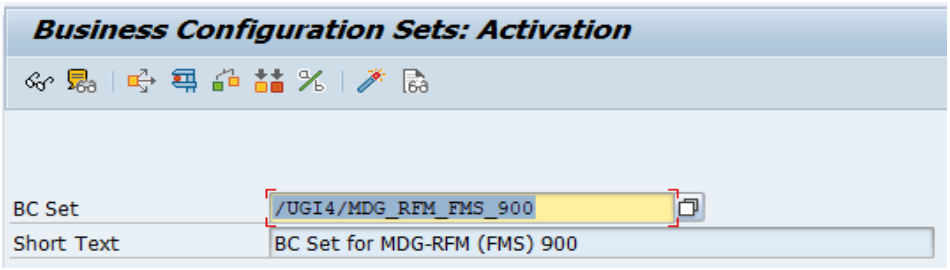
5. /UGI4/MDG_RFM_910: BC Set for MDG-RFM 910.

   Go to t-code SCPR20 and activate.



   After the activation, you must set any existing user in the system as the owner of the overview IDs of the delivered BCV.

6. /UGI4/MDG_RFM_FMS_900: BC Set for MDG RFM FMS 900



7. /UGI4/MDG_RFM_BCV_900: BCV Entries for MDG RFM FMS 900

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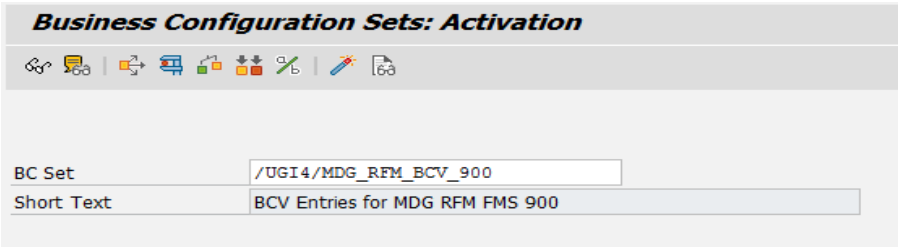
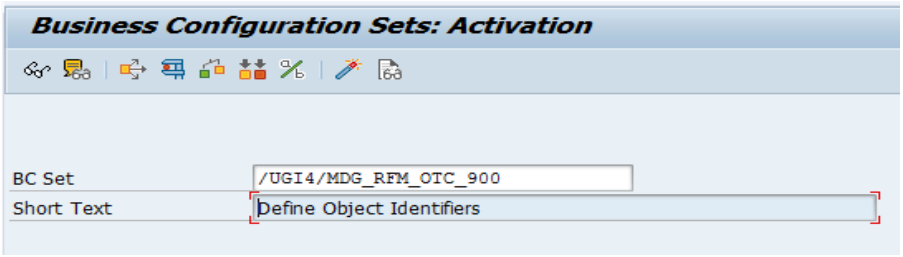
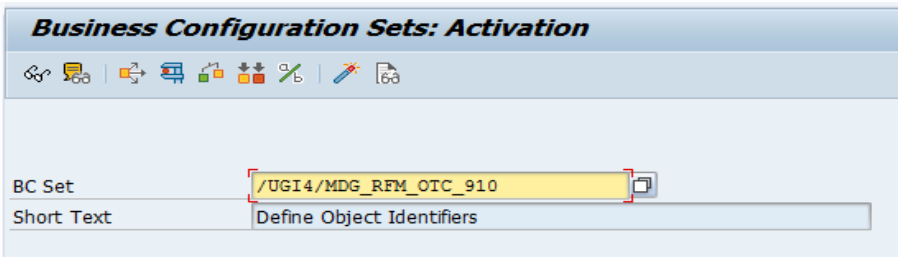


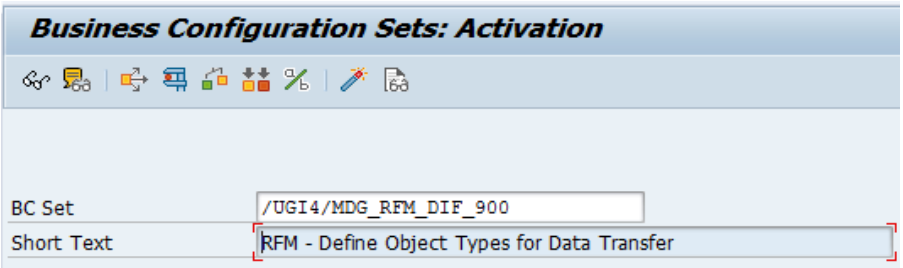
8. /UGI4/MDG_RFM_OTC_900: Define Object Identifiers



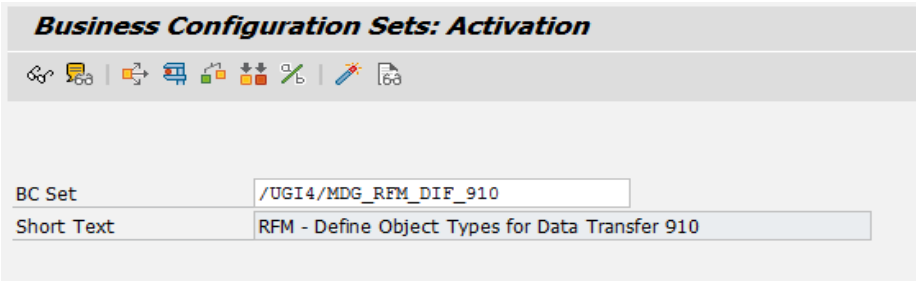
9. /UGI4/MDG_RFM_OTC_910: BC Set for MDG-RFM 9.0 SP01 Business Object Type Code



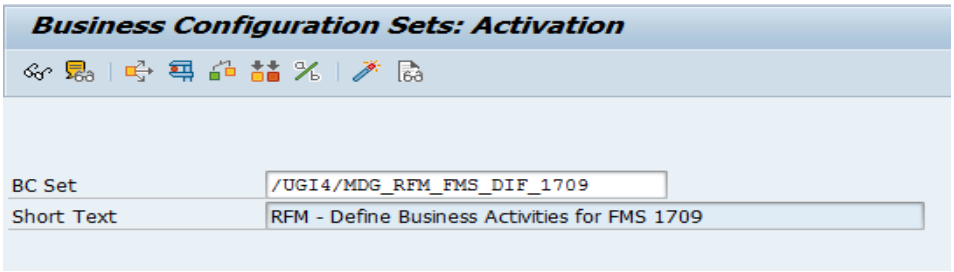
10. /UGI4/MDG_RFM_DIF_900: RFM: Define Object Types for Data Transfer



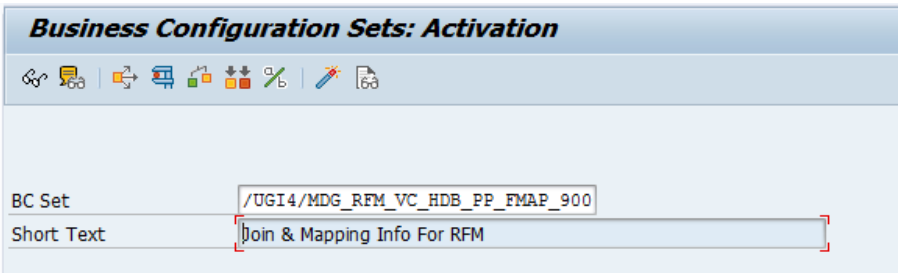
11. /UGI4/MDG_RFM_DIF_910: RFM - Define Object Types for Data Transfer 910



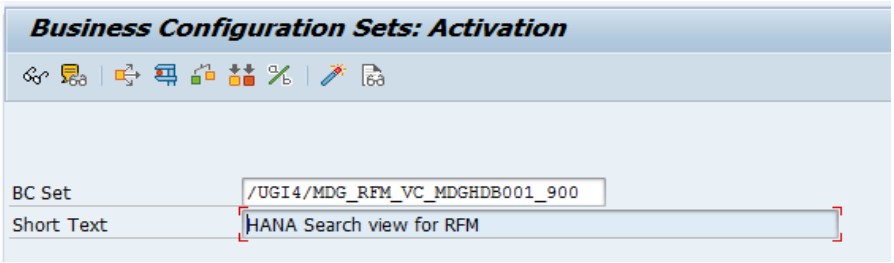
12. /UGI4/MDG_RFM_FMS_DIF_1709 - Define Business Activities for FMS 1709.



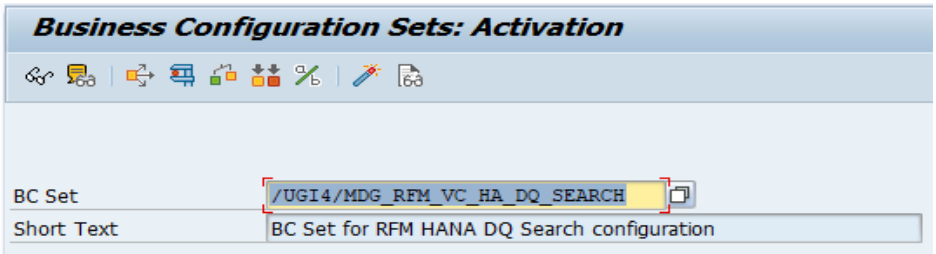
13. /UGI4/MDG_RFM_VC_HDB_PP_FMAP_900: Join and Mapping Info for RFM



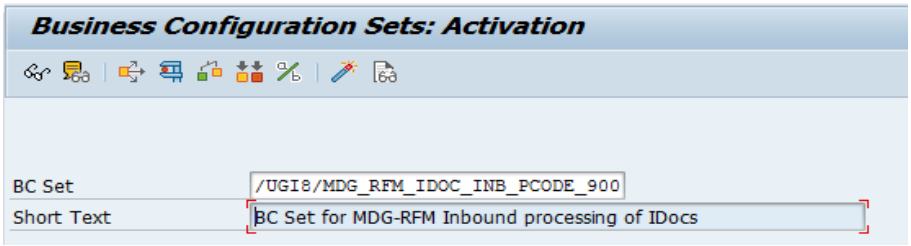
14. /UGI4/MDG_RFM_VC_MDGHDB001_900: HANA Search view for RFM



15. /UGI4/MDG_RFM_VC_HA_DQ_SEARCH: BC Set for RFM HANA DQ Search configuration



16. /UGI8/MDG_RFM_IDOC_INB_PCODE_900: BC Set for MDG-RFM Inbound processing of IDocs



17. /UGI8/MDG_RFM_IDOC_INB_PCODE_910: BC Set for MDG-RFM 9.0 SP01 Inbound processing of IDocs

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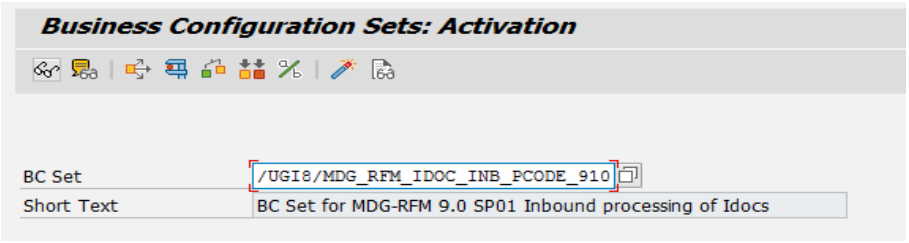
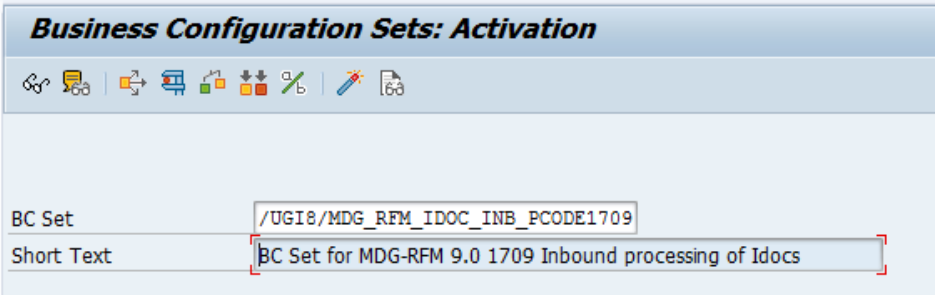
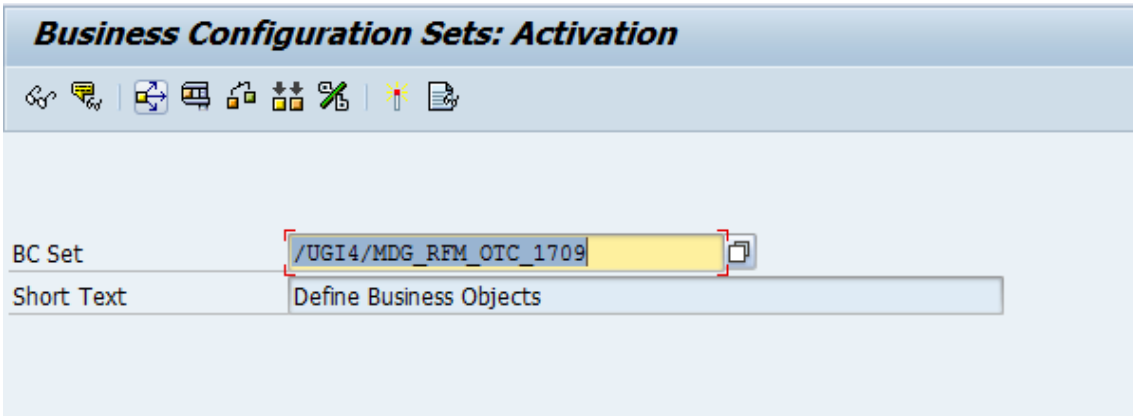


18. /UGI8/MDG_RFM_IDOC_INB_PCODE1709: BC Set for MDG-RFM 9.0 1709 Inbound processing of IDocs.



19. /UGI4/MDG_RFM_OTC_1709: BC Set for MDG-RFM 9.0 1709 OTC Codes.



20. For additional BCV Content, perform the following actions.

    Activate business configuration set POC_BC_SIDE_PANEL.

    For more information on the Business Context Viewer, see Business Context Viewer in Single Processing [External File].

Ensure that the following 3 BC Sets for the inbound process codes are also processed in any SAP ECC-based target client and where the UGI8 software component is installed.

a. /UGI8/MDG_RFM_IDOC_INB_PCODE_900: BC Set for MDG-RFM Inbound processing of IDocs

b. /UGI8/MDG_RFM_IDOC_INB_PCODE_910: BC Set for MDG-RFM 9.0 SP01 Inbound processing of IDocs

c. /UGI8/MDG_RFM_IDOC_INB_PCODE1709: BC Set for MDG-RFM 9.0 1709 Inbound processing of IDocs.

4.2. Assigning an Internal Key

To support internal key assignment, run the activity in Customizing for Master Data Governance under ▶ General Settings ▶ Data Modelling ▶ Define Prefixes for Internal Key Assignment ◀.

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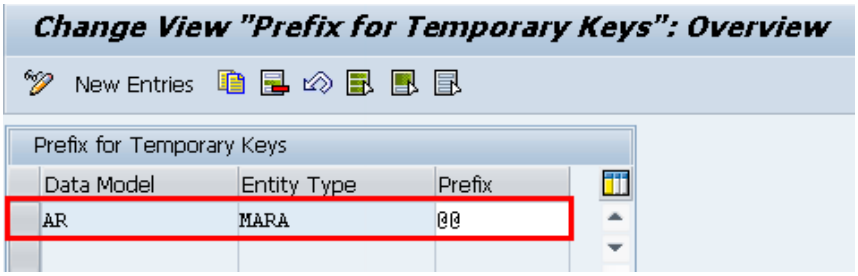
Note

Mandatory: All temporary IDs must be prefixed with @@. Use the following values:

- Data Model: AR
- Entity Type: MARA
- Prefix: @@



4.3. Navigating User Interface

- Link Log. Actions with UI Application and Bus. Act.: Standard Definition
- Link Logical Actions with Business Activity: Standard Definition

4.3.1. Link Log. Actions with UI Application and Bus. Act.: Standard Definition

The Logical actions shown in the following tables need to be entered manually.

For more information, see Customizing for Master Data Governance under General Settings Process Modeling Business Activities Link Log. Actions with UI Application and Bus. Act. Standard Definition.

4.3.1.1. UI navigation for RFM

BO Type	Log, Action	Current UI Application Name	Current UI Configuration	Target UI Application	Target UI Configuration	Business Activity
DRF_0017	*	*	*	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	
DRF_0017	CREATE	*	*	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	AR01
DRF_0017	CHANGE	*	*	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	AR02
DRF_0017	DISPLAY	*	*	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	AR03
DRF_0017	MASS	*	*	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	AR0A
DRF_0017	LOAD	*	*	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	AR0B
DRF_0017	CHANGE	USMD_CHANGE_DOCUMENT	USMD_CHANGE_DOCUMENT	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	AR02
DRF_0017	CHANGE	USMD_EDITION_CREQUEST	USMD_EDITION_CREQUEST	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	AR02
DRF_0017	CREATE	USMD_CHANGE_DOCUMENT	USMD_CHANGE_DOCUMENT	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	AR01
DRF_0017	CREATE	USMD_EDITION_CREQUEST	USMD_EDITION_CREQUEST	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	AR01
DRF_0017	CREATE	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	AR01
DRF_0017	CHANGE	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	AR02
DRF_0017	DISPLAY	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	AR03
DRF_0017	CREATE	USMD_SEARCH	/UGI4/_AR_SEARCH	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	AR01
DRF_0017	CHANGE	USMD_SEARCH	/UGI4/_AR_SEARCH	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	AR02
DRF_0017	DISPLAY	USMD_SEARCH	/UGI4/_AR_SEARCH	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	AR03

4.3.1.2. UI navigation for FMS

BO Type	Log, Action	Current UI Application Name	Current UI Configuration	Target UI Application	Target UI Configuration	Business Activity
DRF_0017	*	*	*	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	
DRF_0017	CREATE	*	*	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	FMS1
DRF_0017	CHANGE	*	*	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	FMS2
DRF_0017	LOAD	*	*	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	FMSB
DRF_0017	DISPLAY	*	*	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	FMS3
DRF_0017	MASS	*	*	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	FMSA

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BO Type	Log, Action	Current UI Application Name	Current UI Configuration	Target UI Application	Target UI Configuration	Business Activity
DRF_0017	CHANGE	USMD_CHANGE_DOCUMENT	USMD_CHANGE_DOCUMENT	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	FMS2
DRF_0017	CHANGE	USMD_EDITION_CREQUEST	USMD_EDITION_CREQUEST	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	FMS2
DRF_0017	CREATE	USMD_CHANGE_DOCUMENT	USMD_CHANGE_DOCUMENT	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	FMS1
DRF_0017	CREATE	USMD_EDITION_CREQUEST	USMD_EDITION_CREQUEST	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	FMS1
DRF_0017	CREATE	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	FMS1
DRF_0017	CHANGE	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	FMS2
DRF_0017	DISPLAY	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	FMS3
DRF_0017	CREATE	USMD_SEARCH	/UGI4/_AR_SEARCH_FMS	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	FMS1
DRF_0017	CHANGE	USMD_SEARCH	/UGI4/_AR_SEARCH_FMS	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	FMS2
DRF_0017	DISPLAY	USMD_SEARCH	/UGI4/_AR_SEARCH_FMS	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	FMS3

Note

The following list of entries must be configured for one application at any system (either RFM or FMS):

BO Type	Log, Action	Current UI Application Name	Current UI Configuration	Target UI Application
DRF_0017	*	*	*	USMD_OVP_GEN
DRF_0017	CREATE	*	*	USMD_OVP_GEN
DRF_0017	CHANGE	*	*	USMD_OVP_GEN
DRF_0017	DISPLAY	*	*	USMD_OVP_GEN
DRF_0017	MASS	*	*	USMD_OVP_GEN
DRF_0017	LOAD	*	*	USMD_OVP_GEN
DRF_0017	CHANGE	USMD_CHANGE_DOCUMENT	USMD_CHANGE_DOCUMENT	USMD_OVP_GEN
DRF_0017	CHANGE	USMD_EDITION_CREQUEST	USMD_EDITION_CREQUEST	USMD_OVP_GEN
DRF_0017	CREATE	USMD_CHANGE_DOCUMENT	USMD_CHANGE_DOCUMENT	USMD_OVP_GEN
DRF_0017	CREATE	USMD_EDITION_CREQUEST	USMD_EDITION_CREQUEST	USMD_OVP_GEN

Note

Go to MDGIMG > General Settings > Process Modelling > Business Activities Link Log. Actions with UI Application and Bus. Act. Custom Definition.

Remove below entry in configuration

BO Type	Log, Action	Current UI Application Name	Current UI Configuration	Target UI Application	Target UI Configuration	Business Activity
DRF_0017	*	*	*	USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	

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4.3.2. Link Logical Actions with Business Activity: Standard Definition

In this Customizing activity, you can display the standard settings for linking logical actions to business activities.

General Settings > Process Modeling > Business Activities > Link Actions with UI Application and Bus. Act. Standard Definition.

For each UI application and action, you can assign a business activity. At runtime, you can then use the available Change Request Types.

4.3.2.1. Table 4: RFM Objects Logical Actions with Business Activity Linkage – Manual Entry Required

For RFM

UI Application Name	UI Configuration	Log. Action	Description	Business Activity	Description
USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	CHANGE	Change	AR02	Article Master Change
USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	CREATE	Create	AR01	Article Master Create
USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	DISPLAY	Display	AR03	Article Master Display
USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	LOAD	Data Exchange	AR0B	Article Master Load DIF
USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	MASS	Mass Processing	AR0A	Article Master Mass Change
USMD_SEARCH	/UGI4/_AR_SEARCH	CHANGE	Change	AR02	Article Master Change
USMD_SEARCH	/UGI4/_AR_SEARCH	CREATE	Create	AR01	Article Master Create

For FMS

UI Application Name	UI Configuration	Log. Action	Description	Business Activity	Description
USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	CHANGE	Change	FMS2	Article Master Process (FMS)
USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	CREATE	Create	FMS1	Article Master Create (FMS)
USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	DISPLAY	Display	FMS3	Article Master Display (FMS)
USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	LOAD	Data Exchange	FMSB	Article Master Load DIF (FMS)
USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	MASS	Mass Processing	FMSA	Article Master Mass Change (FMS)
USMD_SEARCH	/UGI4/_AR_SEARCH_FMS	CHANGE	Change	FMS2	Article Master Process (FMS)
USMD_SEARCH	/UGI4/_AR_SEARCH_FMS	CREATE	Create	FMS1	Article Master Create (FMS)

4.4. Verify UI Modeling (Optional)

The user interface (UI) configuration activities are relevant only if you want to change the UI or if the AR Data Model has been enhanced.

In this Customizing activity, you can specify if the system can hide the entity types for the Data Model AR, and where it can hide.

Verify the pre-delivered field properties for the Data Model AR in Customizing under General Settings UI Modeling Manage UI Configurations.

The Web Dynpro application and the application configuration in the PFCG role combine with settings made in Customizing to determine the UI displayed.

You need to verify the UI modeling for the following Web Dynpro application configurations:

Web Dynpro Application	Application Configuration	UI
USMD_OVP_GEN	/UGI4/_AR_OVP_MARA	/UGI4/_AR_MARA_OVP
USMD_SEARCH	/UGI4/_AR_SEARCH	/UGI4/_AR_SEARCH_OVP

In case of FMS the following Web Dynpro application configurations shall be verified:

Web Dynpro Application	Application Configuration	UI
USMD_OVP_GEN	/UGI4/_AR_OVP_MARA_FMS	/UGI4/_AR_MARA_OVP_FMS
USMD_SEARCH	/UGI4/_AR_SEARCH_FMS	/UGI4/_AR_SEARCH_OVP_FMS

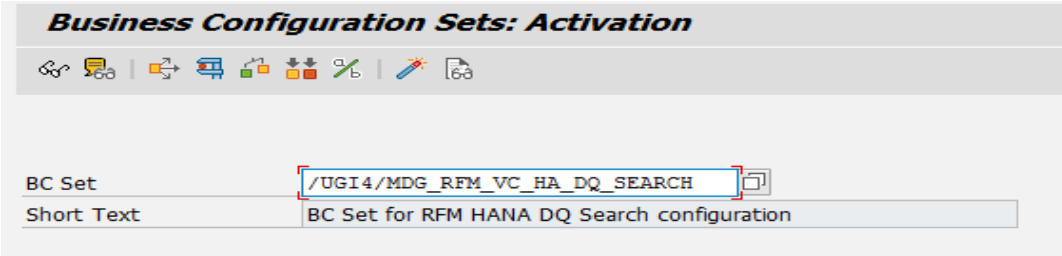
4.5. Set Up Search

MDG-RFM 9.2 deployed on S/4HANA 1709/1809 offer HANA Search technologies as HDB is the primary database.

4.5.1. Create the Search View

Use the following steps to activate the standard delivered RFM HANA Search templates

1. Activate BC Set: /UGI4/MDG_RFM_VC_HA_DQ_SEARCH



2. Long Text table creation and Initial Load: As the Long Text is used in the Search, first you must execute a report, and perform the initial load of this texts the format of the HANA views.
    a. In t-code SA38, execute the report MDG_HDB_MAT_MIGRATE_LONGTEXT as a background job.
    b. Select the Overwrite target table records checkbox, to perform the initial load of Article long texts to the database table MDGHDB_LONGTEXT.
    This loads the following long text types:
        i. Basic Data Text

ii. Sales Text

iii. Purchase Order Text

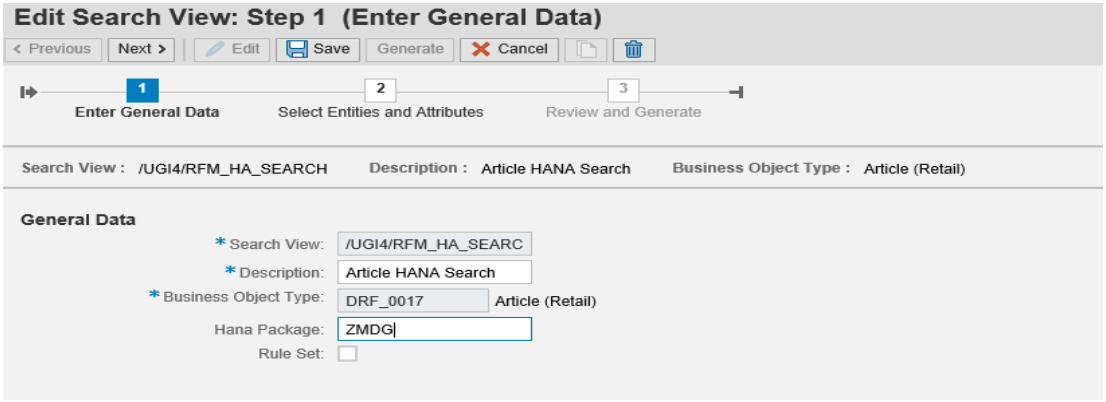
iv. Inspection Text

3. Active the Search View

   a. To activate the already delivered in the product HANA Search View /UGI4/RFM_HA_SEARCH, navigate to Master Data Governance > General Settings > Data Quality and Search > Search and Duplicate Check > Create Search View

4. Click Edit to activate the HANA Search View and provide the following details for the first guided step Enter General Data.

Field	Value
Search View	/UGI4/RFM_HA_SEARCH'
Description	Article HANA Search
Business Object Name	DRF_0017
HANA Package	ZMDG (Customer Namespace)



Note

Important: Choose the HANA package only from customer namespace and ensure that the package also exists in the ABAP Development environment. Currently, this existence is not checked by the system.

Note

You can activate the Rule set if you want to adjust your HANA Search later in the HANA Studio. With this, you can go attribute by attribute and give your choice of attribute characteristics like fuzziness and so on. The Ruleset is for saving your manual changes in the HANA studio. Next time when you generate the view the manual changes are not overwritten.

   a. Click “Next” and continue with the next guided step “Select Entities and Attribute”.

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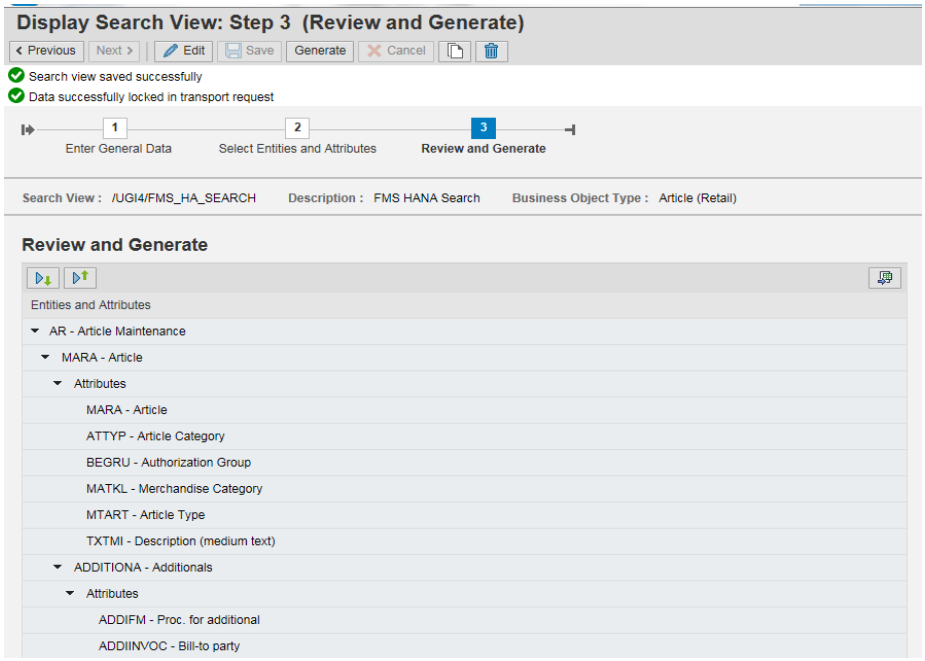
i. Select the required entity and attribute at the HANA database. The system, by default, selects few attributes and entity.

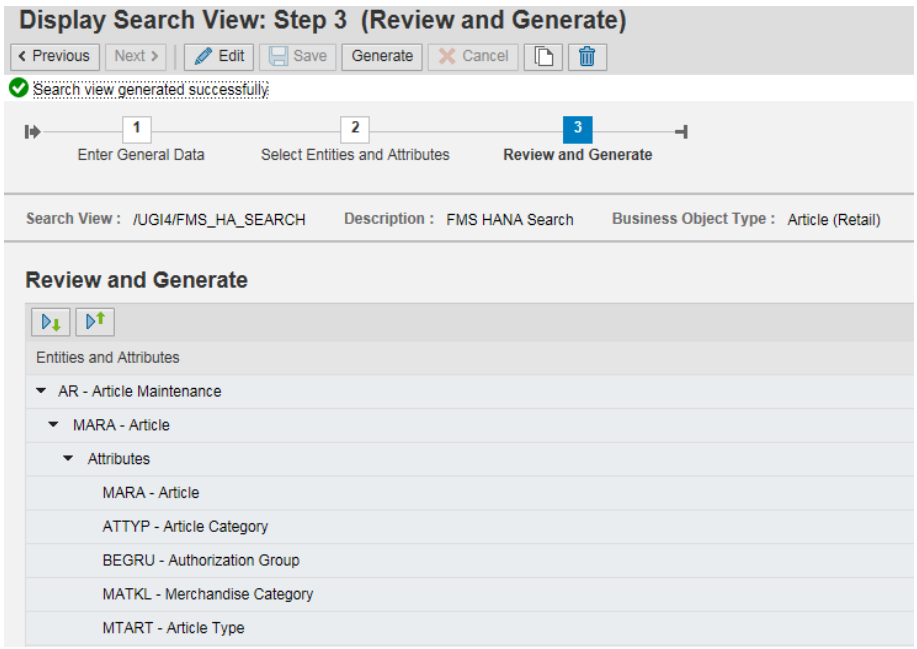
ii. Click “Next” to continue with the step as “Review and Generate”.

iii. Review the already selected (in the previous step) Entity and Attribute.

iv. Click “Save” twice.



v. Click “Generate” in Review and Generate window.



Note

MDG-RFM 9.2 delivers a set of SAP HANA Search templates segregated in different Article functionalities and processes. These Search types are optional to activate and generate depending on your Data Model needs.

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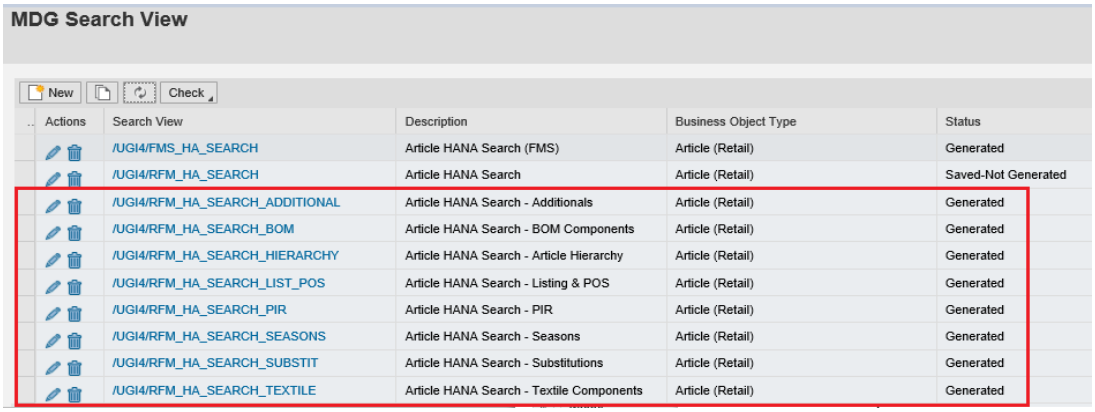
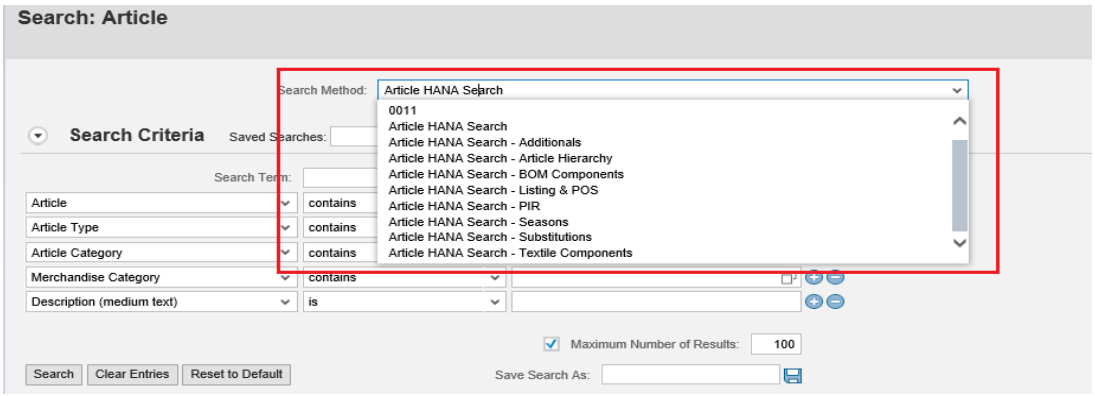
For generating each view, perform the same steps of the SAP HANA Main View activation and generation explained in this chapter.



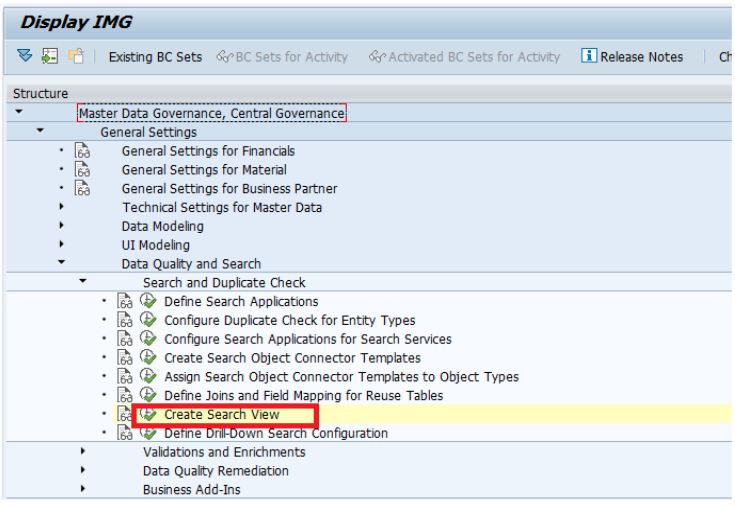
The system displays the HANA Search UI as displayed in the following screen.



4.5.2. Regenerate Article Seasons HANA Search View (Optional – Only for S4 HANA 1809)

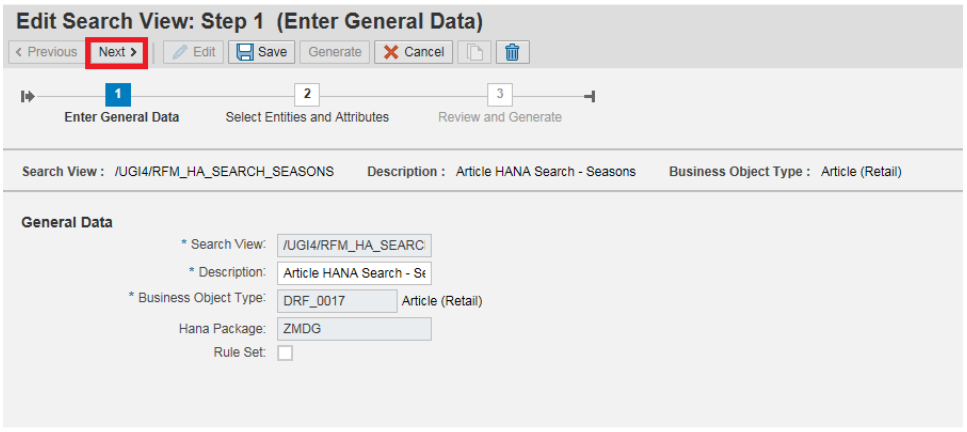
Note: This step is only relevant for S4 HANA 1809 system. This is an upgrade specific step for MDG RFM 9.2

1. Go to Tcode MDGIMG
2. Go to path Master Data Governance > Central Governance > General Settings > Data Quality and Search > Create Search View

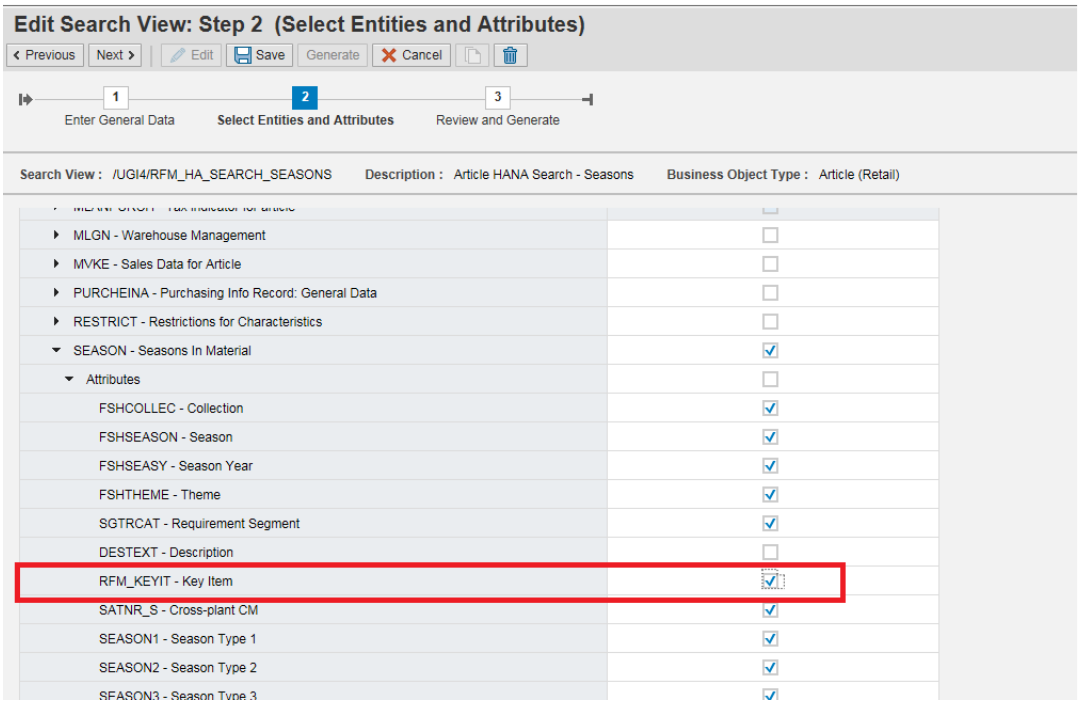


3. Select the View /UGI4/RFM_HA_SEARCH_SEASONS and Click on Edit.

4. Click on Next



5. Select the Field RFM_KEYIT under SEASONS Node and Click in Next



6. Click on Save and Generate

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4.5.3. Check Existing BAdI Implementations

With HANA as the primary database, you can enhance your searches with means of the HANA studio. There may be use cases where you still want to leverage the capabilities of the search-related BAdIs.

You can find those and the related usage description via the customizing path:

Master Data Governance > General Settings > Data Quality and Search > Business Add-Ins

Note

If you upgrade from a previous release and especially leveraging TREX/Enterprise Search, make sure you disable the old BAdIs for MDG-RFM and eventually for MDG-M:

BAdI	Description
/UGI4/ENH_SEARCH_REUSE	Implementation: Search for Data in Reuse Active Area
/UGI4/ENH_SEARCH_REUSE	Implementation: Search for Data in Reuse Active Area

Furthermore, you need to check if the old search object connector template had been removed:

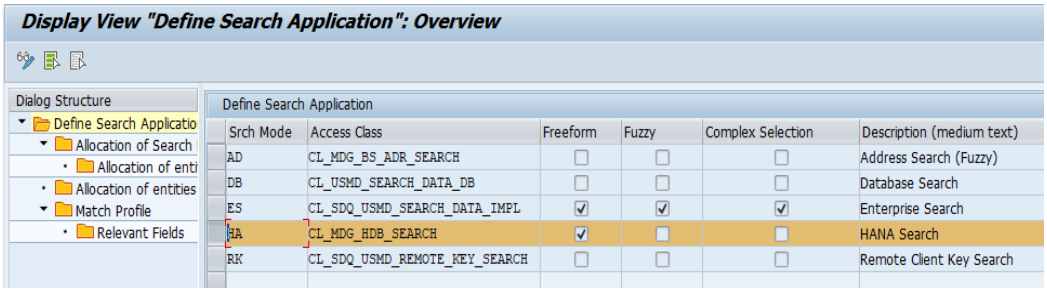
Master Data Governance > General Settings > Data Quality and Search > and Duplicate Check > Assign Search Object Connector Templates to Object Types

Remove any entry for the Business Object Type DRF_0017 MDG_Article.

4.6. Verify Data Quality, Search Settings, and Duplicate Check

Use the following steps for HANA Search verification and HA Duplicate Check configuration:

1. In the Delivered Standard, HANA Search Setting, you can verify the following.
   a. Existence of entry HA and Freeform settings are activated if this feature is planned to be used.

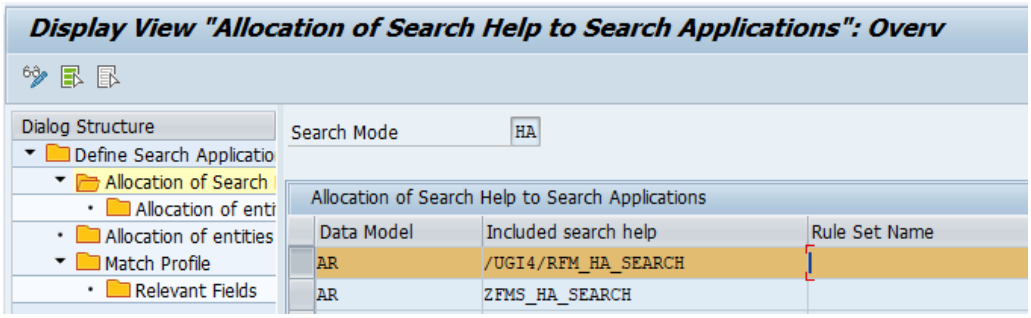


Note

This entry cannot be removed or deactivated (E-class entry delivered by SAP). You can verify these settings in Customizing by navigating to Master Data Governance > General Settings > Data Quality and Search > Search and Duplicate Check > Define Search Application

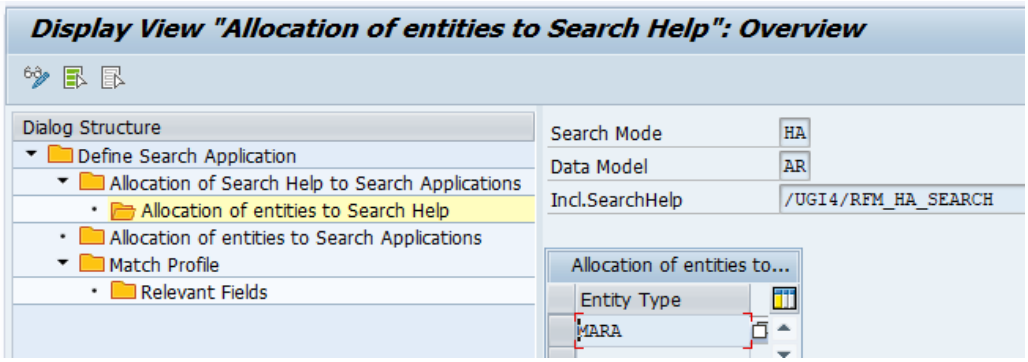
   b. Search help '/UGI4/RFM_HA_SEARCH' allocation to Search Application for HANA Search.

You can verify the setting in Customizing by navigating to Master Data Governance > General Settings > Data Quality and Search > Search and Duplicate Check > Define Search Application > Allocation of Search help to Search Application



c. As part of Standard, Main Entity is allocated to the Search Help, use the following screen for verifying the same.

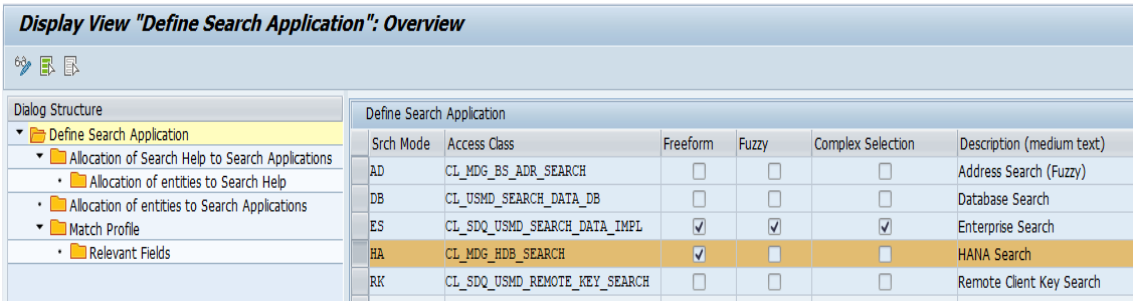
Field	Description
Search mode	HA
Data Model	AR
Incl. Search Help	/UGI4/RFM_HA_SEARCH
Entity type	MARA



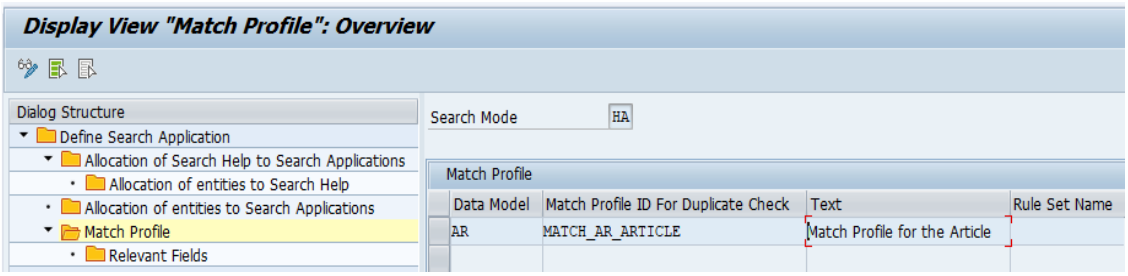
4.6.1. Configuration of the Duplicate Check for HANA Search

Use the following steps to configure Duplicate Check for HANA Search:

1. Select the Search Mode 'HA' by Navigating to Master Data Governance > General Settings > Data Quality and Search > Search and Duplicate Check > Define Search Application.



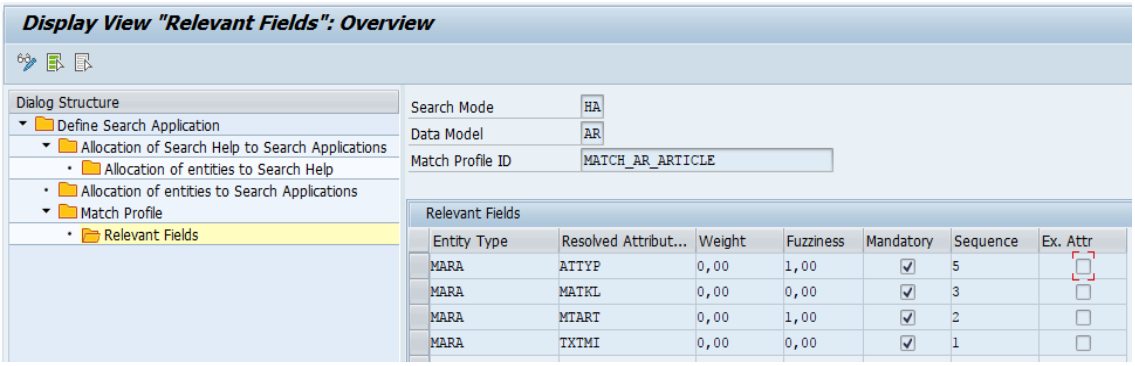
2. Select the Search Mode 'HA' and click the Match Profile.



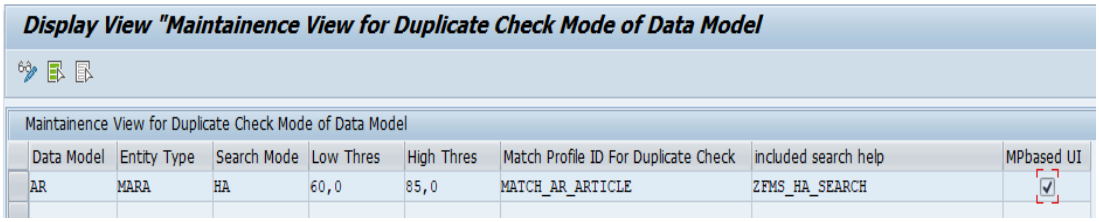
3. If you want to run a Duplicate Check, assign the pre-delivered Match Profile MATCH_AR_ARTICLE or your own Match Profile to the Data Model AR and the MARA entity type. Navigate to General Settings > Data Quality and Search > Search and Duplicate Check > Match Profile

4. Duplicate Check relevant fields are added as per the standard delivery. Use the following table and screen for verifying the same.

Field	Value
Search mode	HA
Data Model	AR
Match Profile Id	MATCH_AR_ARTICLE
Entity type	MARA
Attribute (Fuzziness)	ATTYP (1,00), MATKL, MTART (1,00), TXTMI



5. For Activating the Duplicate Check in RFM done with HANA Search provider do the following: Navigate to General Settings > Data Quality and Search > Search and Duplicate Check > Configure Duplicate Check for Entity Types



4.7. Configuration Change Request Settings

Depending on your requirements you might want to adjust and enhance the default Change Request values.

The following information describes the minimal settings for a basic governance process.

1. Review and/or define which statuses the Change Requests can have, and which processing options are enabled for those statuses. Optionally, you can add new statuses to be used in the Change Request Types.

   For more information, see Customizing for Master Data Governance under General Settings Process Modeling Change Requests Edit Statuses of Change Requests.

   The following statuses are delivered for the SAP standard processes.

Status Value	Description	Permitted Processing
00	To Be Evaluated	Change of Object List
01	To Be Considered and Approved	Change of Object List
02	Changes to Be Executed	Execution of Changes
03	To Be Revised	Change of Object List
04	Final Check to Be Performed	No Processing
05	Final Check Approved	No Processing
06	Final Check Rejected	No Processing
07	Activation Failed	No Processing
08	Approved; to Be Replicated	No Processing
09	Dependent Data to Be Processed/Approved	Execution of Changes
10	To Revise: Perform Changes	Execution of Changes
11	Process Errors After Activation	Execution of Changes
12	Approved, Contact Person to be Processed	No Processing
99	No Status Set	No Processing

2. Check that the following Business Activities are in your system and that they are assigned to the default Data Model AR.

For RFM

- AR01 Article Master Create
- AR02 Article Master Change
- AR0A Article Master Mass Change
- AR0B Article Master Load (DIF)

For FMS

- FMS1 Article Master Create
- FMS2 Article Master Change
- FMSA Article Master Mass Change
- FMSB Article Master Load (DIF)

   For more information, see Customizing for Master Data Governance under General Settings Process Modeling Business Activities Create Business Activity.

3. Create new Change Request Types for Data Model *AR* or validate after import MDG for RFM.

   For more information, see Customizing for Master Data Governance under General Settings Process Modeling Change Requests Create Change Request.

   The following table shows the Change Request Types for Data Model AR. Only the relevant columns are included.

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Change Request Type	Data Model	Description	Single Object	Main Entity Type	Workflow
RFM					
AR01	AR	Article Create	Yes	MARA	WS60800086
AR02	AR	Article Change	Yes	MARA	WS60800086
AR0A	AR	Article Mass Change		MARA	WS60800086
AR0B	AR	Article Load (DIF)		MARA	WS60800086
FMS					
FMS1	AR	Article Create	Yes	MARA	WS60800086
FMS2	AR	Article Change	Yes	MARA	WS60800086
FMSA	AR	Article Mass Change		MARA	WS60800086
FMSB	AR	Article Load (DIF)		MARA	WS60800086

The standard workflow template used by Master Data Governance for Article is WS60800086. This template is a Rule-Based Workflow which uses BRF+ Decision Tables.

There is also a workflow template without BRF+, which covers the same processes. If you want to use this template, replace template WS60800086 with template WS46000057 in the relevant Change Request Type.

The following settings should exist in the substructures of the Change Request Types:

For RFM

- AR01
  1. Entity type: MARA
  2. UI Configuration ID:
  3. Msg. output: Standard
  4. Business Activity: Article Master Create (AR01)
  5. Service Level Agreement for Change Request Types: <leave empty>

- AR02
  1. Entity type: MARA
  2. UI Configuration ID:
  3. Msg. output: Standard
  4. Business Activity: Article Master Change (AR02)
  5. Service Level Agreement for Change Request Types: <leave empty>

- AR0A
  1. Entity type: MARA
  2. UI Configuration ID:
  3. Msg. output: W Issue Error Messages as Warnings
  4. Business Activity: Article Master Mass Change (AR0A)
  5. Service Level Agreement for Change Request Types: <leave empty>

- AR0B
  1. Entity type: MARA
  2. UI Configuration ID:
  3. Msg. output: W Issue Error Messages as Warnings

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4. Business Activity: Article Master Load DIF (AR0B)
5. Service Level Agreement for Change Request Types: <leave empty>

For FMS

- FMS1
  1. Entity type: MARA
  2. UI Configuration ID:
  3. Msg. output: Standard
  4. Business Activity: Article Master Create (FMS1)
  5. Service Level Agreement for Change Request Types: <leave empty>

- FMS2
  1. Entity type: MARA
  2. UI Configuration ID:
  3. Msg. output: Standard
  4. Business Activity: Article Master Change (FMS2)
  5. Service Level Agreement for Change Request Types: <leave empty>

- FMSA
  1. Entity type: MARA
  2. UI Configuration ID:
  3. Msg. output: W Issue Error Messages as Warnings
  4. Business Activity: Article Master Mass Change (FMSA)
  5. Service Level Agreement for Change Request Types: <leave empty>

- FMSB
  1. Entity type: MARA
  2. UI Configuration ID:
  3. Msg. output: W Issue Error Messages as Warnings
  4. Business Activity: Article Master Load DIF (FMSB)
  5. Service Level Agreement for Change Request Types: <leave empty>

4.7.1. Optional

Optionally, you can define Priorities, Reasons, or Rejection Reasons for Change Requests. You can enter codes and a short description to tag or classify your Change Requests. These codes can be used later for Change Request analytics (process quality analysis). They also can be used to influence the workflow-driven processes. For example, depending on the priority of a Change Request, you can mark it for special processing.

Perform the following activity in Customizing for Master Data Governance under General Settings Process Modeling Change Requests Define Priorities / Reasons / Rejection Reasons for Change Requests.

Optionally, you can define print forms for Change Requests. By default, the form USMD_EDITION_CREQUEST is used. This is relevant only if your own or multiple print forms are required.

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For more information, see Customizing for Master Data Governance under General Settings Process Modeling Change Requests Define Print Form for Change Requests.

4.7.2. Configuration Variant Splitter

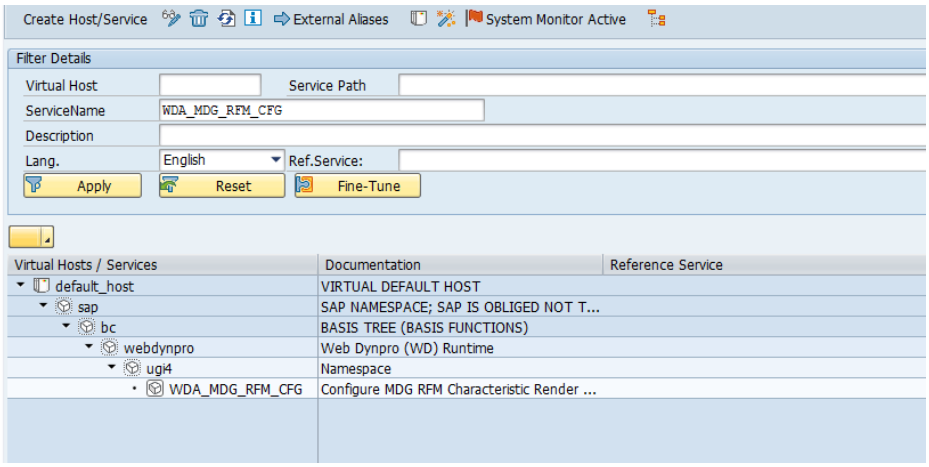
Variant configuration is to display the combination of Characteristics in Variants. For example, Black-XS, White-L.

After the installation of the PAT file, activate the SICF service: WDA_MDG_RFM_CFG

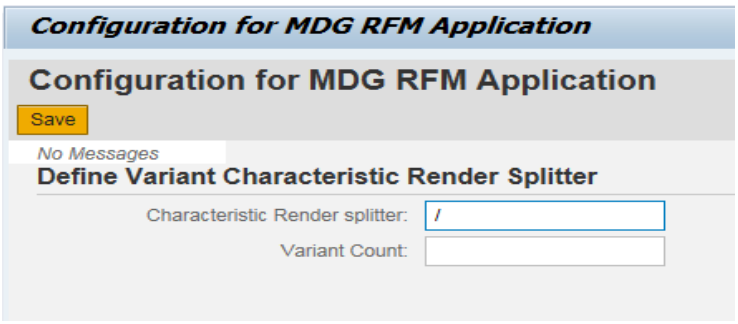
Note

All the Change Requests should be activated and there should not be any staging data while maintaining the Splitter by the t-code /UGI4/MDG_RFM_CFG.

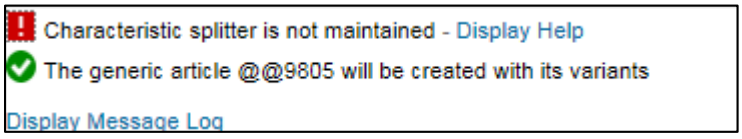
1. After the installation of PAT file, activate the SICF service: WDA_MDG_RFM_CFG
    a. Activation Path: SICF -> Services -> SAP-> BC-> Webdynpro-> UGI4 -> WDA_MDG_RFM_CFG
        i. Right click, select “Activate Service”
        ii. In the popup, select “Yes to all”.



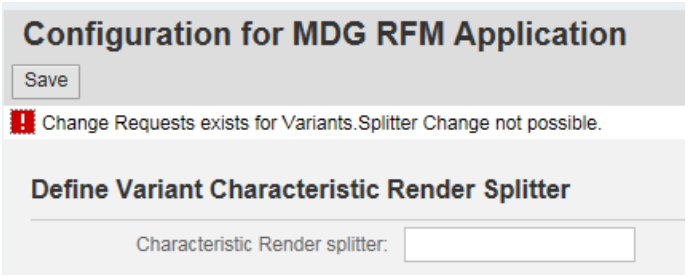
2. Maintained the Splitter by using the t-code “/UGI4/MDG_RFM_CFG”.



3. When no Splitter is maintained, the following error is populated on the MDG screen.



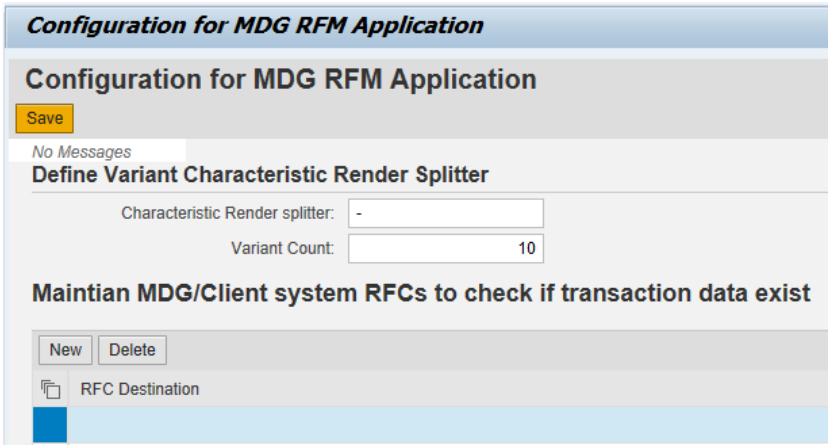
4. When the staging data is not cleared or activated, below error shall be populated on Activation of Splitter by the t-code “/UGI4/MDG_RFM_CFG”.



Note

In case open transactions (e.g.; Sales Order, Purchase Order) exists for an Article, the user will not be able to change the Segmentation Structure and Strategy.

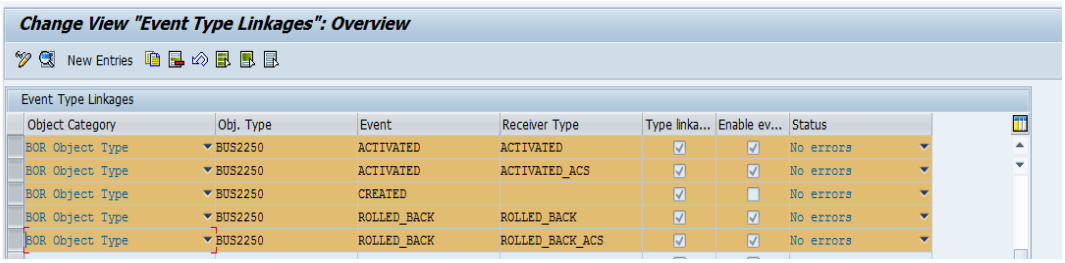
The RFC destinations of the client systems where we need to check for the open transactions need to be maintained in the following configuration using the t-code “/UGI4/MDG_RFM_CFG”.



4.8. Configure Workflow Tasks

Before configuring the Workflow tasks, ensure that your system environment meets the following.

- Necessary general settings for workflows are defined.
- The organizational plan is defined in Customizing for SAP NetWeaver under Application Server > Business Management > SAP Business Workflow.
- The active type linkages for Article (BUS2250) are set correctly.
- Follow the instructions in Customizing for MDG under General Settings > Process Modeling > Workflow > Activate Type Linkage.
- For Object Type BUS2250 check that the Type Linkage Active indicator is Active for the events CREATED, ACTIVATED, and ROLLED_BACK.
- In addition, check that the Enable Event Queue indicator is Active for the events ACTIVATED, and ROLLED_BACK, but not for the event CREATED.



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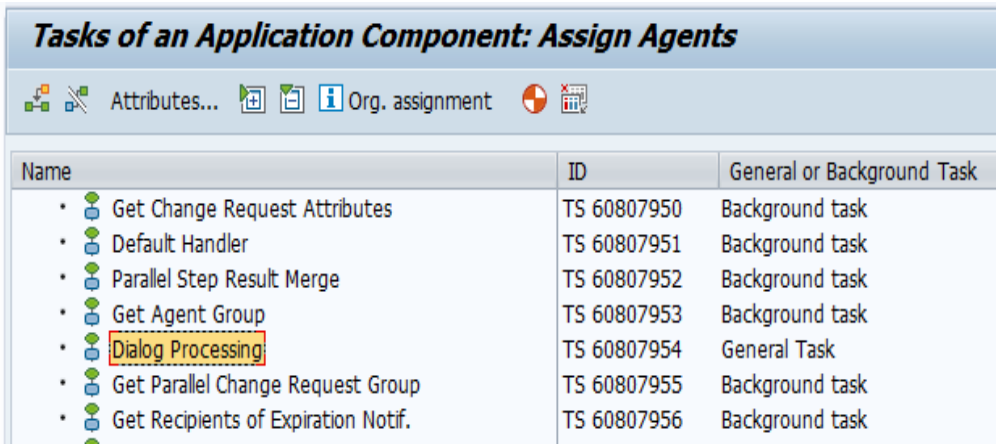
Note

The standard workflow template used by Master Data Governance for the article is WS60800086.

To ensure the general assignment of processors using the Rule-Based Workflow, run the following activity in Customizing for Master Data Governance under General Settings > Process Modeling > Workflow > Configure Workflow Tasks.

1. Go to application component CA-MDG-AF and choose “Assign Agents”.
   a. Set the “Dialog Processing” (TS 60807954) task as a “General Task”, if it not already set. To do so, select the task, choose “Attributes” and change it to “General Task”.



You can use an alternative procedure with the generic workflow maintenance transaction as described in the following steps:

2. Run t-code SWDD for Workflow Builder.
   a. In the Workflow field, enter the workflow template WS60800086, the highest version is automatically chosen.
   b. In the Navigation area go to step 000073 Dialog Processing and select it.
   c. In the Task Properties area, choose Agent Assignment for Task. Choose the Agent Assignment for Task button.
   d. On the next screen select Dialog Processing and choose the “Attributes” button.
   e. In the Task popup, select General Task and choose Transfer.
   f. Return to the Task Properties list and verify that the status icon beside Agent Assignment is green or yellow.

4.9. Set Up the Rule-Based Workflow

MDG-RFM uses advanced workflow capabilities by combining the SAP Business Workflow with the SAP Business Rules Framework plus (BRF+) tool. This section describes how to activate and load the necessary settings for BRF+.

Check that the steps for Rule-Based Workflow are correctly imported by running the following activity in Customizing: General Settings > Process Modeling > Workflow > Rule-based Workflow > Define Change Request Steps for Rule-Based Workflow.

The following are the default steps required for all Change Request Types:

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For RFM

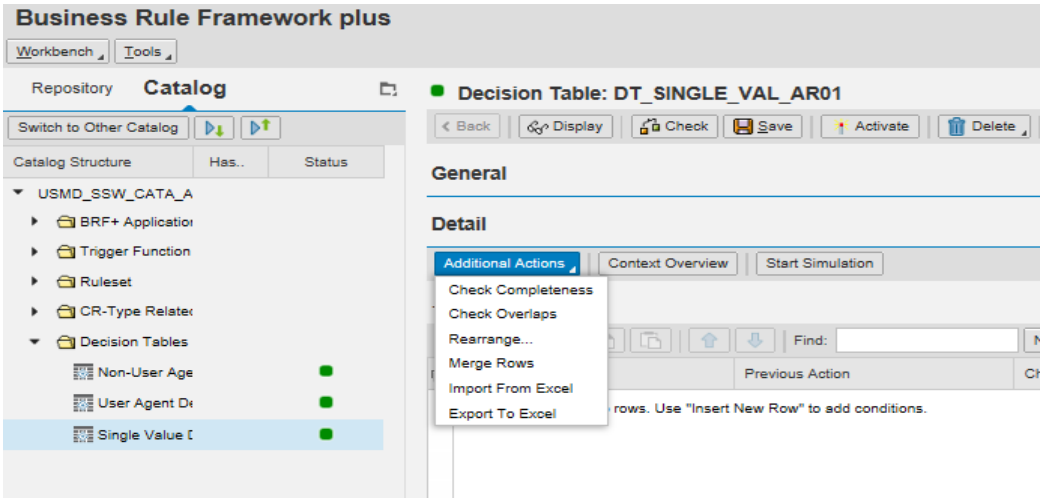
Change Request Type	Change Request Step	Keys	Successful Validation Required	Description
AR01	0	Empty	Empty	Processing
AR01	80	Empty	Empty	Approver
AR01	90	Empty	Checked	Final Check
AR01	91	Empty	Empty	Activation
AR01	92	Empty	Empty	Revision/Cancel BG
AR01	93	Empty	Empty	Validation
AR01	95	Empty	Empty	Revision Processing
AR01	99	Empty	Empty	Complete

Due to technical restrictions, further settings cannot be included in the BC Sets. Perform the following checks and act as required:

Run the following activity in Customizing: General Settings > Process Modeling > Workflow > Rule-based Workflow > Configure Rule-Based Workflow.

Alternatively, you can run t-code USMD_SSW_RULE for Process Definition of Rule-Based Workflow.

1. Select Change Request AR01.
2. From the left pane, expand Decision Table, select the Single Value Decision Table, click Edit.
   a. From the displayed Additional Actions list, click “Import from Excel”.

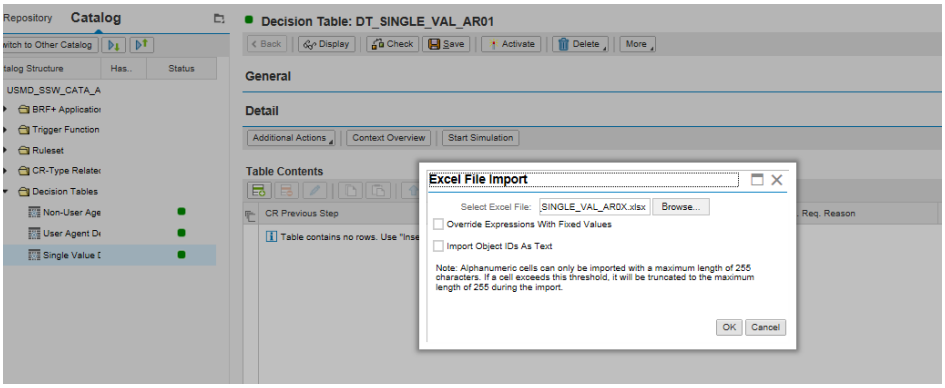


The system displays “Export File Import” popup.

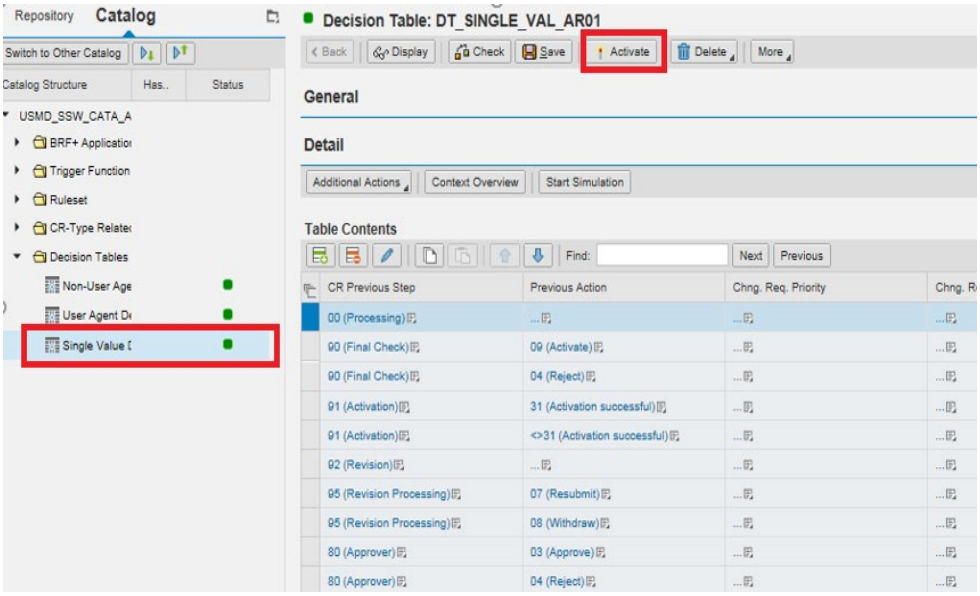
   b. Click Browse, and upload the enclosed file DT_SINGLE_VAL_AR01 and click OK.

Note

Do not change this file manually, upload the file as it is, and after the upload, you can change data in your table.



c. Activate the table as displayed in the following screen:

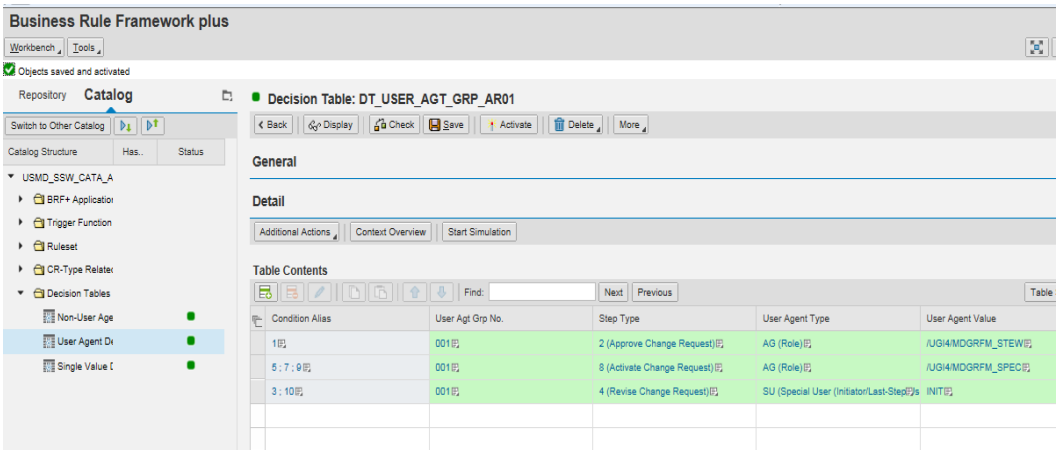


3. From the left pane, select the User Agent Decision Table
   a. Click “Edit”, then in Additional Actions and click “Import from Excel” and activate the table.
   b. Upload the enclosed Excel file DT_USER_AGT_GRP_AR01 and click OK.

DT_USER_AGT_GRP_AR01.xlsx

Note

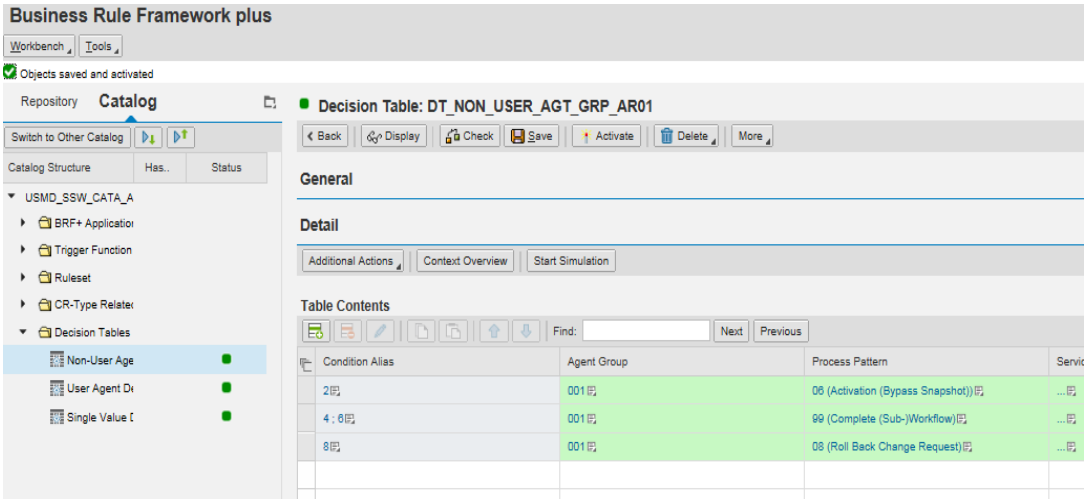
Do not change this file manually and upload the file as it is. After uploading the file, you can change data in your table.



4. From the left pane, select the User Agent Decision table
   a. Click “Edit”, then in Additional Actions and click “Import from Excel” and activate the table.
   b. Upload Excel file DT_NON_USER_AGT_GRP_AR01 and click OK.

Note

Do not change this file manually and upload the file as it is. After uploading the file, you can change data in your table.



5. Repeat these steps (1-4) for all relevant Change Request Types AR02, AR0A, and AR0B

Maintain your content in the Decision Tables, reflecting your governance process. You can use the pre-delivered SAP content as a starting point.

Sr. No.	Change Request Type	Decision Table		
		Single Value	User Agent	Non-User Agent
1	AR02	DT_SINGLE_VAL_AR 02.xlsx	DT_USER_AGT_GRP_ AR02.xlsx	DT_NON_USER_AGT _GRP_AR02.xlsx
2	AR0A	DT_SINGLE_VAL_AR 0A.xlsx	DT_USER_AGT_GRP_ AR0A.xlsx	DT_NON_USER_AGT _GRP_AR0A.xlsx
3	AR0B	DT_SINGLE_VAL_AR 0B.xlsx	DT_USER_AGT_GRP_ AR0B.xlsx	DT_NON_USER_AGT _GRP_AR0B.xlsx

Note

If you extend the BRF+ Decision Tables, make sure that the status of the final step is set to 05 Final Check Approved or 06 Final Check Rejected.

The following are the minimal settings for the relevant Change Request Types.

- DT_SINGLE_VAL_AR01
- DT_NON_USER_AGT_GRP_AR01
- DT_USER_AGT_GRP_AR01

DT_NON_USER_AGT_GRP_AR01 and DT_SINGLE_VAL_AR01 contain the automated steps and follow-up logic used by the BRF+. The follow-up logic can result in an automated step or in a user task that will be visible as a workflow.

Users involved in the Master Data Governance (MDG) process need to be included in table DT_USER_AGT_GRP_AR01. This action enables users to receive and execute the workflow tasks. Maintain agents (for example the users or organizations in the Portal Content and Portal Role Assignment sections of this guide) for all Change Request Types and their associated workflow steps. Each condition alias that appears in the DT_SINGLE_VAL_AR01 table needs at least one processor, automatic or user (group). For all non-automated steps, at least one entry needs to exist in DT_USER_AGT_GRP_AR01.

Conduct this maintenance for all relevant Change Request Types. Further details on the workflow concepts can be found in Rule-Based Workflows for Material [External]. The following Change Request Types appear in the standard delivery: AR01, AR02, and AR0A.

The following Step Types are pre-delivered by SAP:

Step Type	Short Description	Actions
1	Check Change Request	01 Agree; 02 Disagree
2	Approve Change Request	03 Approve; 04 Reject
3	Process Change Request	05 Finalize Processing; 06 Send for Revision
4	Revise Change Request	07 Resubmit; 08 Withdraw
5	Activate Change Request	09 Activate; 10 Send for Revision
6	Approve Change Request (Without Rejection)	03 Approve; 06 Send for Revision
7	Revise Change Request (Without Rejection)	05 Finalize Processing
8	Activate Change Request	09 Activate; 04 Reject

The following Agent Types exist:

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User Type Agent	Short Description
US	User
O	Organizational Unit
C	Job
S	Position
AG	Role
SU	Special User (Value for requestor: INIT. Value for previous-step user: LAST.)

The following is the standard content pre-delivered by SAP MDG-RFM:

DT_SINGLE_VAL_AR01/2/A

Previous Step	Previous Action	Condition Alias	New Step	New Change Request Status
00 (Create Change Request)	No value	1	80 (Approver)	02 (Changes to be executed)
90 (Final Check)	09 (Activate)	2	91 (Final Approval)	04 (Final Check to Be Performed)
90 (Final Check)	04 (Reject)	3	95 (Revision Processing)	10 (To Revise: Perform Changes)
91 (Final Approval)	31 (Activation Successful)	4	99 (Complete)	05 (Final Check Approved)
91 (Final Approval)	<>31 (Activation Successful)	5	90 (Final Check)	11 (Process Errors After Activation)
92 (Revision/Cancel BG)	No value	6	99 (Complete)	06 (Final Check Rejected)
95 (Revision Processing)	07 (Request Again)	7	90 (Final Check)	02 (Changes to be executed)
95 (Revision Processing)	08 (Withdraw)	8	92 (Revision/Cancel BG)	02 (Changes to be executed)
80 (Approver)	03 (Approve)	9	90 (Final Check)	02 (Changes to Be Executed)
80 (Approver)	04 (Reject)	10	95 (Revision Processing)	10 (To Revise: Perform Changes)

DT_USER_AGT_GRP_AR01/2/A

COND_ALIAS	AGENT_GROUP	STEP_TYPE	USER_TYPE	USER_VALUE
1	001	2 (Approve Change Request)	AG	/UGI4/MDGRFM_STEW
5;7,9	001	8 (Activate Change Request)	AG	/UGI4/MDGRFM_SPEC
3; 10	001	4 (Revise)	SU	INIT

DT_NON_USER_AGT_GRP_AR01/2/A

COND_ALIAS	AGENT_GROUP	PROCESS_PATTEREN
2	001	06 (Activation (Bypass Snapshot))
4;6	001	99 (Complete (Sub-)Workflow)
8	001	08 (Roll back change request)

Note

- It is necessary to activate your new entries for each of the three Decision Tables.

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- The quickest way to allow users to participate in any workflow step for testing purposes is assigning the following roles to their user ID in SU01:
  1. /UGI4/MDGRFM_SPEC (The MDG-RFM Specialist role of PFCG/SU01)
  2. /UGI4/MDGRFM_STEW (The MDG-RFM Steward role of PFCG/SU01)
- If the system cannot find a processor for your Change Requests, check the background steps of the Change Requests workflow log to see if a work item with the description Set Status x for Change Request y is in process or in error. If this is the case regenerate the authorization profile of SAP_ALL or include USMD* authorization objects into the authorization for the user SAP_WFRT.
- Choosing the process pattern 06 Activation (Bypass Snapshot) means that the Article will be activated, even if the Article record was changed in the backend system since the Change Request was created. Any backend changes are lost upon Activation.

For FMS

MDG-RFM uses advanced workflow capabilities by combining the SAP Business Workflow with the SAP Business Rules Framework plus (BRF+) tool. This section describes how to activate and load the necessary settings for BRF+.

Check that the steps for Rule-Based Workflow are correctly imported by running the following activity in Customizing: General Settings > Process Modeling > Workflow > Rule-based Workflow > Define Change Request Steps for Rule-Based Workflow.

The following are the default steps required for all Change Request Types:

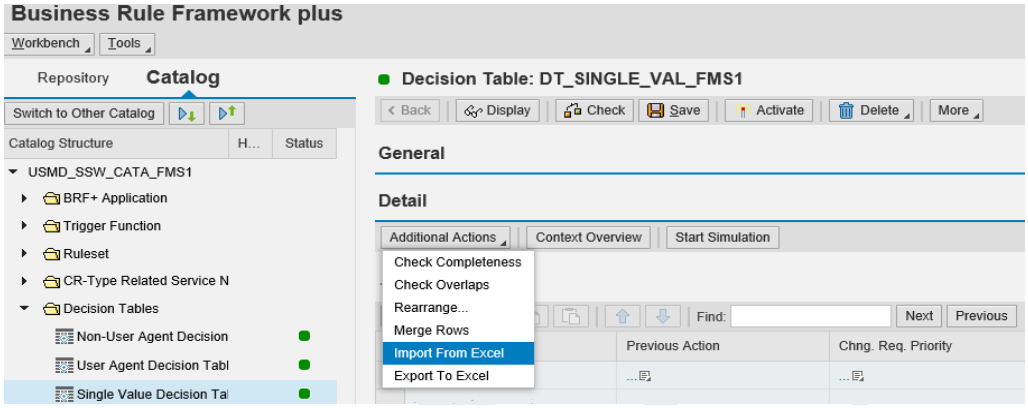
Change Request Type	Change Request Step	Keys	Successful Validation Required	Description
FMS1	0	Empty	Empty	Processing
FMS1	80	Empty	Empty	Approver
FMS1	90	Empty	Checked	Final Check
FMS1	91	Empty	Empty	Activation
FMS1	92	Empty	Empty	Revision/Cancel BG
FMS1	93	Empty	Empty	Validation
FMS1	95	Empty	Empty	Revision Processing
FMS1	99	Empty	Empty	Complete

Due to technical restrictions, further settings cannot be included in the BC-sets. Perform the following checks and act as required:

Run the following activity in Customizing: General Settings > Process Modeling > Workflow > Rule-based Workflow > Configure Rule-Based Workflow.

Alternatively, you can run t-code USMD_SSW_RULE.

1. Select Change Request FMS1.
   a. From the left pane, expand Decision Tables, select the Single Value Decision Table, click “Edit”.
      i. From the displayed Additional Actions list, click “Import from Excel”.



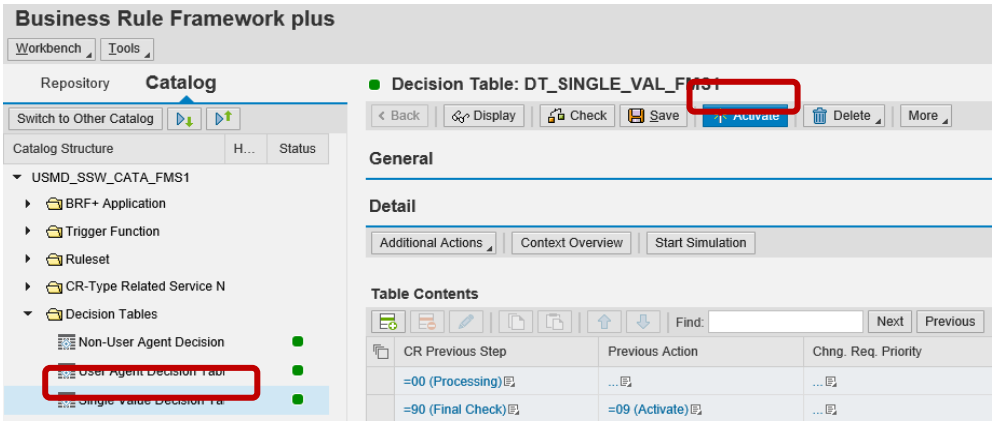
The system displays “Export File Import” popup.

ii. Click Browse, upload the enclosed file DT_SINGLE_VAL_FMS1 and click OK.

Note

Do not change this file manually, upload the file as it is, and after the upload, you can change data in your table.

b. Activate the table as displayed in the following screen:



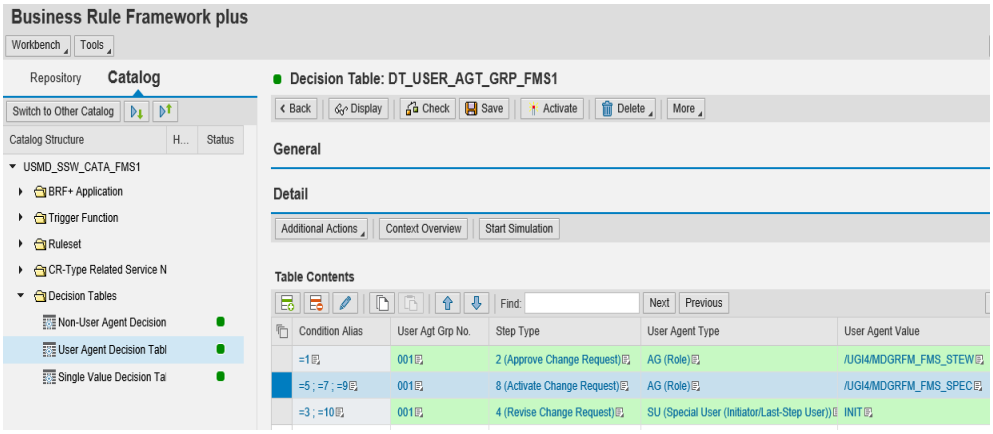
c. From the left pane, select the “User Agent Decision Table”.

i. Click “Edit”, then in Additional Actions and click “Import from Excel” and activate the table.

ii. Upload the enclosed Excel file DT_USER_AGT_GRP_FMS1 and click OK.

Note

Do not change this file manually and upload the file as it is. After uploading the file, you can change data in your table.



d. From the left pane, select the “Non-User Agent Decision Table”

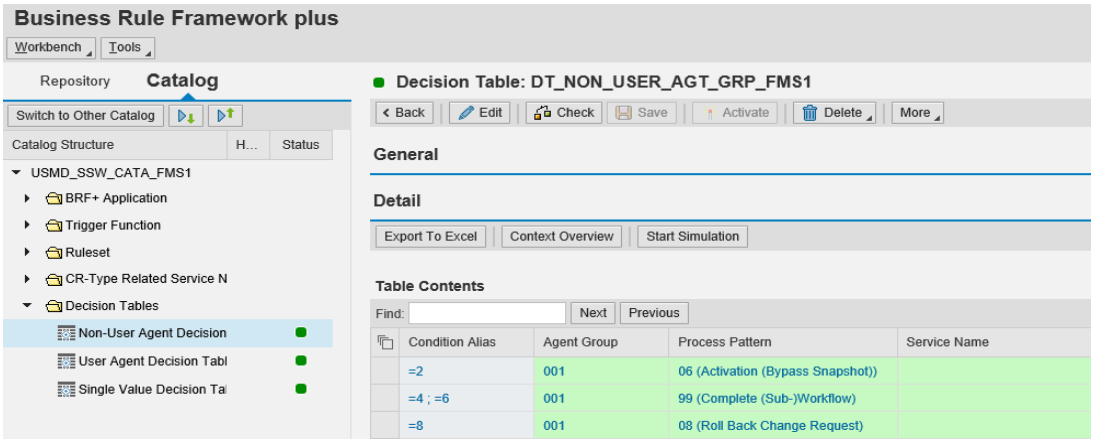
   i. Click “Edit”, then in Additional Actions and click “Import from Excel” and activate the table.

   ii. Upload Excel File DT_NON_USER_AGT_GRP_FMS1 and click OK.

DT_NON_USER_AGT_GRP_FMS1.xlsx

Note

Do not change this file manually and upload the file as it is. After uploading the file, you can change data in your table.



   iii. Repeat these steps for all relevant Change Request Types FMS2, FMSA, and FMSB.
   Maintain your content in the Decision Tables, reflecting your governance process. You can use the pre-delivered SAP content as a starting point.

Sr. No.	Change Request Type	Decision Table		
		Single Value	User Agent	Non-User Agent
1	FMS2	DT_SINGLE_VAL_FMS2.xlsx	DT_USER_AGT_GRP_FMS2.xlsx	DT_NON_USER_AGT_GRP_FMS2.xlsx
2	FMSA	DT_SINGLE_VAL_FMSA.xlsx	DT_USER_AGT_GRP_FMSA.xlsx	DT_NON_USER_AGT_GRP_FMSA.xlsx
3	FMSB	DT_SINGLE_VAL_FMSB.xlsx	DT_USER_AGT_GRP_FMSB.xlsx	DT_NON_USER_AGT_GRP_FMSB.xlsx

Note

If you extend the BRF+ Decision Tables, make sure that the status of the final step is set to 05 Final Check Approved or 06 Final Check Rejected.

The following are the minimal settings for the relevant Change Request Types.

- DT_SINGLE_VAL_FMS1
- DT_NON_USER_AGT_GRP_FMS1
- DT_USER_AGT_GRP_FMS1

DT_NON_USER_AGT_GRP_FMS1 and DT_SINGLE_VAL_FMS1 contain the automated steps and follow-up logic used by the BRF+. The follow-up logic can result in an automated step or in a user task that will be visible as a workflow.

Users involved in the Master Data Governance (MDG) process need to be included in table DT_USER_AGT_GRP_FMS1. This action enables users to receive and execute the workflow tasks. Maintain agents (for example the users or organizations in the Portal Content and Portal Role Assignment sections of this guide) for all Change Request Types and their associated workflow steps. Each condition alias that appears in the DT_SINGLE_VAL_FMS1 table needs at least one processor, automatic or user (group). For all non-automated steps, at least one entry needs to exist in DT_USER_AGT_GRP_FMS1.

Conduct this maintenance for all relevant Change Request Types. Further details on the workflow concepts can be found in Rule-Based Workflows for Material [External]. The following Change Request Types appear in the standard delivery: FMS1, FMS2, FMSA, and FMSB.

The following step types are pre-delivered by SAP:

Step Type	Short Description	Actions
1	Check Change Request	01 Agree; 02 Disagree
2	Approve Change Request	03 Approve; 04 Reject
3	Process Change Request	05 Finalize Processing; 06 Send for Revision
4	Revise Change Request	07 Resubmit; 08 Withdraw
5	Activate Change Request	09 Activate; 10 Send for Revision
6	Approve Change Request (Without Rejection)	03 Approve; 06 Send for Revision
7	Revise Change Request (Without Rejection)	05 Finalize Processing
8	Activate Change Request	09 Activate; 04 Reject

The following agent types exist:

User Type Agent	Short Description
US	User
O	Organizational Unit
C	Job
S	Position

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User Type Agent	Short Description
AG	Role
SU	Special User (Value for requestor: INIT. Value for previous-step user: LAST.)

The following is the standard content pre-delivered by SAP MDG-RFM for FMS.

DT_SINGLE_VAL_FMS1/2/A/B

Previous Step	Previous Action	Condition Alias	New Step	New Change Request Status
00 (Create Change Request)	No value	1	80 (Approver)	02 (Changes to be executed)
90 (Final Check)	09 (Activate)	2	91 (Final Approval)	04 (Final Check to Be Performed)
90 (Final Check)	04 (Reject)	3	95 (Revision Processing)	10 (To Revise: Perform Changes)
91 (Final Approval)	31 (Activation Successful)	4	99 (Complete)	05 (Final Check Approved)
91 (Final Approval)	<>31 (Activation Successful)	5	90 (Final Check)	11 (Process Errors After Activation)
92 (Revision/Cancel BG)	No value	6	99 (Complete)	06 (Final Check Rejected)
95 (Revision Processing)	07 (Request Again)	7	90 (Final Check)	02 (Changes to be executed)
95 (Revision Processing)	08 (Withdraw)	8	92 (Revision/Cancel BG)	02 (Changes to be executed)
80 (Approver)	03 (Approve)	9	90 (Final Check)	02 (Changes to Be Executed)
80 (Approver)	04 (Reject)	10	95 (Revision Processing)	10 (To Revise: Perform Changes)

DT_USER_AGT_GRP_FMS1/2/A/B

COND_ALIAS	AGENT_GROUP	STEP_TYPE	USER_TYPE	USER_VALUE
1	001	2 (Approve Change Request)	AG	/UGI4/MDGRFM_FMS_STEW
5;7,9	001	8 (Activate Change Request)	AG	/UGI4/MDGRFM_FMS_SPEC
3; 10	001	4 (Revise)	SU	INIT

DT_NON_USER_AGT_GRP_AR01/2/A

COND_ALIAS	AGENT_GROUP	PROCESS_PATTERN
2	001	06 (Activation (Bypass Snapshot))
4;6	001	99 (Complete (Sub-)Workflow)
8	001	08 (Roll back change request)

Note

- It is necessary to activate your new entries for each of the three Decision Tables.
- The quickest way to allow users to participate in any workflow step for testing purposes is assigning the following roles to their user ID in SU01:
  1. /UGI4/MDGRFM_FMS_SPEC (The MDG-RFM for FMS Specialist role of PFCG/SU01)
  2. /UGI4/MDGRFM_FMS_STEW (The MDG-RFM for FMS Steward role of PFCG/SU01)

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- If the system cannot find a processor for your Change Requests check the background steps of the Change Requests workflow log to see if a work item with the description Set Status x for Change Request y is in process or in error. If this is the case regenerate the authorization profile of SAP_ALL or include USMD* authorization objects into the authorization for the user SAP_WFRT.

Choosing the process pattern 06 Activation (Bypass Snapshot) means that the Article will be Activated, even if the Article record was changed in the backend system since the Change Request was created. Any backend changes are lost upon Activation.

4.10. Set Up of Data Replication

The following section describes the various steps to be followed to set up the Data Replication.

4.10.1. Set Up Data Replication Using ALE

The following process describes the minimal settings required for the message types:

1. ARTMAS
2. INFREC
3. BOMMAT
4. LIKOND
5. SERDAT
6. CLFMAS
7. /UGI8/ARTHIER_ASST
8. /UGI8/SUBSTITUTION
9. /UGI8/LAYMOD

If you want to replicate change states or revision levels using IDoc ECMREV, you must also activate the ALE Change Pointers using t-code SALE. In t-code SALE navigate to IDoc Interface/Application Link Enabling (ALE) Modeling and Implementing Business Processes Master Data Distribution Activate Change Pointers for Message Types or use t-code BD50.

1. Verify Logical Systems

   Run t-code SALE and choose Basic Settings Logical Systems . Both clients (source and target) need to be defined as Logical Systems and need to be assigned to the relevant clients.

2. Check communication

   Run t-code SALE and choose > Communication > Created RFC Connections .
   The target partner system must be defined here as an ABAP connection with a connection type of 3 and with the same name as the target Logical System. Perform a connection test.

3. Use bgRFC
   a. Run t-code SBGRFCCONF and on the tab, Define Inbound Destination and choose “Create Inbound Destination”.
   b. Maintain the destination name and go to “Add Queue Prefix”.
   c. Enter MDG_ and choose “Add”. This prefix is mandatory.
   d. Choose “Save”.
   e. Go to the “Scheduler: Destination” tab and choose “Create and Create Scheduler Settings for Inbound Destination”.
   f. Select the new destination and check the default setting. Choose “Save”.

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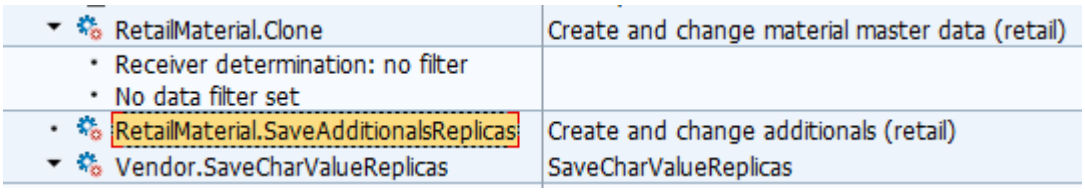
4. Maintain Distribution Model
    a. Run t-code SALE (Display ALE Customizing) and choose Modeling and Implementing Business Processes > Maintain Distribution Model and Distribute Views. Alternatively, run t-code BD64 (Maintenance of Distribution Model).
        i. In change mode, create a new model. Choose the Create Model View pushbutton. Enter a short text and a technical name.
        ii. Choose the Add Message Type pushbutton for the newly created model.
        iii. Enter names for the logical source and destination systems and choose Message Type ARTMAS.
        iv. Repeat points 3 and 4 for Message Types INFREC, BOMMAT, LIKOND, SERDAT, CLFMAS, /UGI8/ARTHIER_ASST, /UGI8/SUBSTITUTION.
        v. Add BAPIs as shown below:



        vi. Optional: Use the Message Type SERDAT to prevent errors during inbound processing. With serialized message distribution, IDocs are created, sent, and posted in a specific order.

            Set up sending and receiving systems using t-code SALE in sender and target systems. Choose Modeling and Implementing Business Processes > Master Data Distribution > Serialization for Sending and Receiving Data.

5. Create Partner Profile
    a. Run t-code SALE and choose Modeling and Implementing Business Processes > Partner Profiles > Generate Partner Profiles. Alternatively, run t-code BD82 (Generate Partner Profiles).
        i. Select the newly created model and in the Partner System field, enter the logical destination system.
        ii. Enter the ALE-User (the default value is ALEREMOTE) and the following values and execute.

Field	Value
Version	3
PackSize	100
Output Mode	Transfer IDoc immediately
Inb. Parameters: Processing	Trigger Immediately

        iii. To verify your settings, run t-code WE20 and from the Partner Profiles menu, choose Partner Type LS. Verify that Partner type LS is the logical destination system.
        iv. In the detail screen, the chosen Message Types should appear.
        v. Check and change the Outbound Parameters

6. Distribute Model view to receiving system
    a. Run t-code SALE and choose Modeling and Implementing Business Processes > Maintain Distribution Model and Distribute Views. Alternatively, run t-code BD64.

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i. Select the new model and choose Edit > Model view Distribute.

ii. Verify that the correct receiving system is marked and choose Enter.

iii. Verify within the receiving system that the model view was created.

7. Create Partner Profile (in receiving system)
   a. Run t-code SALE and choose Modeling and Implementing Business Processes > Partner Profiles > Generate Partner Profiles. Alternatively, run t-code BD82 (Generate Partner Profiles).
   b. Select the distributed model.
   c. Enter the ALE-User, and the following values, and execute.

Field	Value
Version	3
PackSize	100
Output Mode	Transfer IDoc immediately
Inb. Parameters: Processing	Trigger Immediately

Note

If the protocol contains the error “Port could not be created”, can be ignored.

   d. Check that the correct Process Code is being used. To do this go to the details for the Inbound Parameter Message Types and in Inbound Options check that the parameter Process Code as follows:

Message Type	Process Type	Processing by Function Module
ARTMAS	/UGI8/ARTMAS	Trigger Immediately
BOMMAT	BOMM	Trigger Immediately
INFREC	INFR	Trigger Immediately
LIKOND	LIKO	Trigger Immediately
RSINFO	RSIN	Trigger Immediately
RSSEND	RSDR	Trigger Immediately

You can test the distribution using t-code BD10. Verify the results in the receiving client using t-code BD87.

4.10.2. Set Up Data Replication Using ALE with DRF

Refer to the UGI_RFM_9.2_HowToGuide_DRF_CustomerConfiguration to set up the Data Replication using ALE.

4.10.3. Customizing for Data Replication Framework (DRF)

Use the following steps to customize DRF:

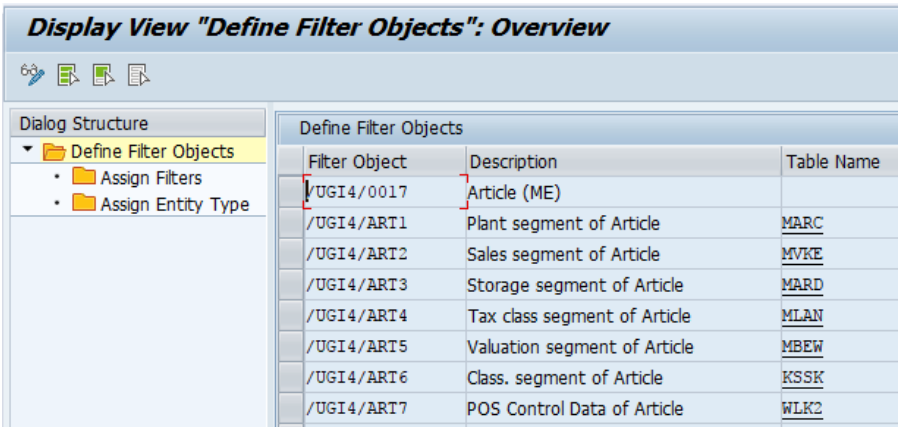
1. Run t-code DRFIMG and navigate to Enhance Default Settings for Outbound Implementation > Define Parameters to check if the outbound parameter PACK_SIZE_BULK is available.

   The following information should be available for this parameter:

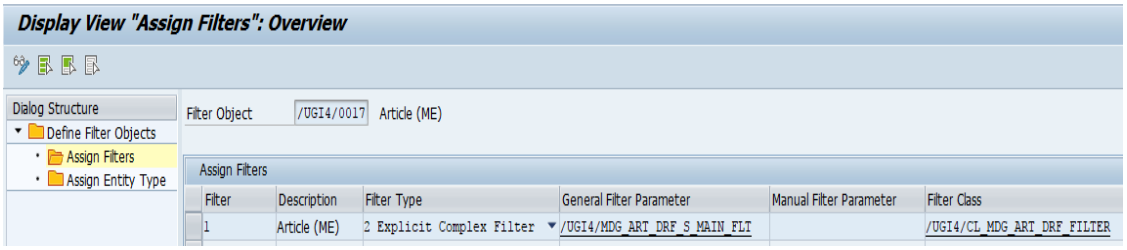
Outbound Parameter	Description	Data Type		Value Length
PACK_SIZE_BULK	Package size for Bulk Messages	Integer		10

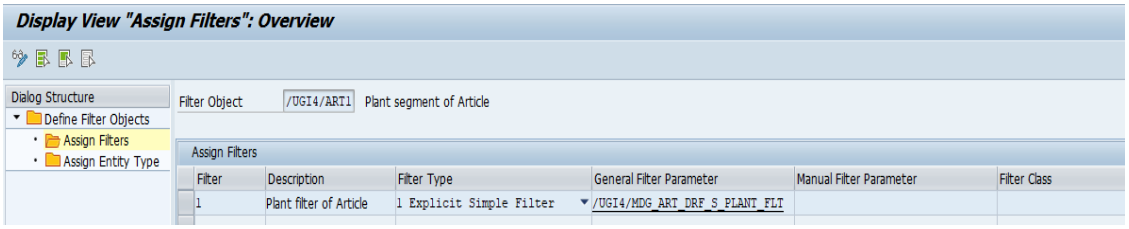
2. Select the parameter and open the Outbound Parameter Value view. Check that the parameter value is 1000.

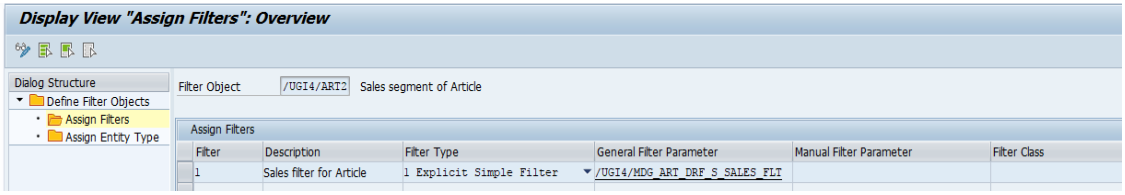
3. Use t-code DRFIMG to check if the Filter Objects below have been defined. Select Enhance Default Settings for Outbound Implementation > Define Filter Objects to view the Filter Object definitions. Check that the main Filter Object /UGI4/0017 (Article) is available.
4. Use t-code DRFIMG to check if the Outbound Implementation /UGI4/AR has been defined. Select Enhance Default Settings for Outbound Implementation > Define Outbound Implementations. Choose Assign Segment Filter Objects and confirm that the following settings are made.

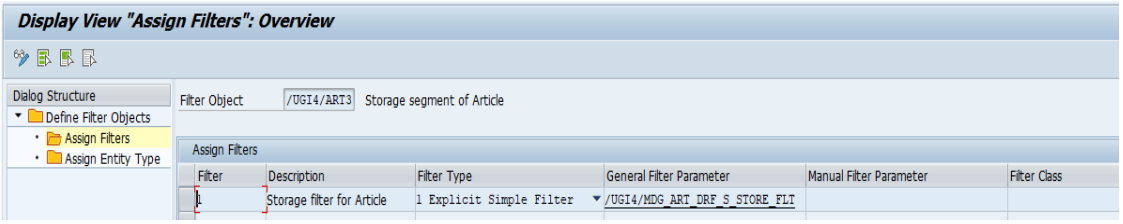


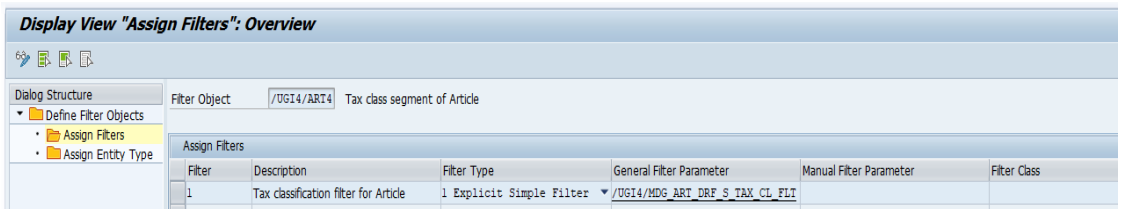
5. Assign Filters as shown below:

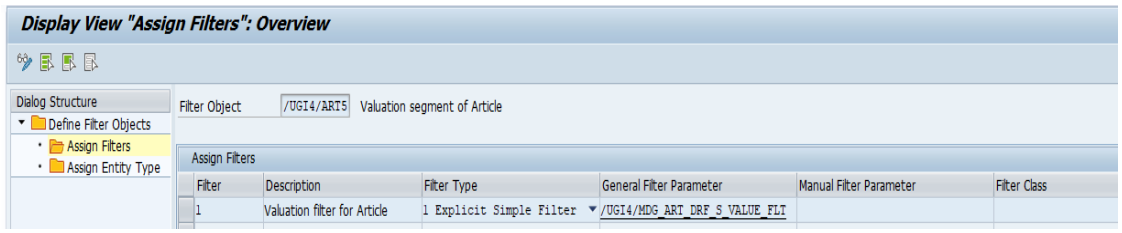


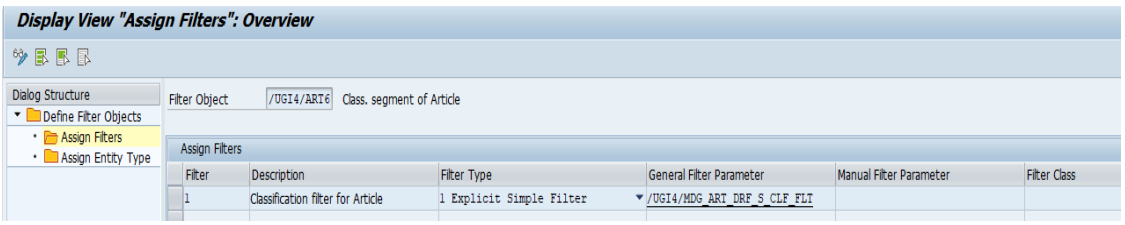


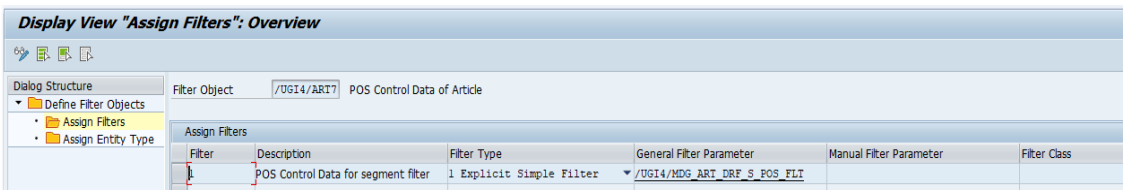












6. Define the technical settings for the Business System.
    a. Enter t-code DRFIMG and navigate to Define Custom Settings for Data Replication > Define Technical Settings > Define Technical Settings for Business Systems.
        i. In the Business System field specify the receiver system. In the Logical System field, enter the Logical System used for IDoc communication. In the RFC Destination field enter the RFC destination to be used for RFC communication with the receiver system.
        ii. Select the entry and open the Define Bus. Systems, BOs view,
        iii. In the BO Type field enter the Business Object Type DRF_0017. In the Output Mode field, Object-Dependent Default is the default entry. You can optionally use, Direct Output, where changes are directly transferred to a target system.
        iv. Select the entry and double-click on Define Bus. Systems, BOs, Communication Channel. In the Communication Channel field enter the means you want to use to transmit data to the applications. In the Key Harm. field specify if you want your keys harmonized between the hub and the client systems,
    b. Create the Replication Model and assign it to the Outbound Implementation as follows:
        i. Enter t-code DRFIMG.
        ii. Navigate to Data Replication Define Custom Settings for Data Replication > Define Replication Models.
        iii. Select Define Replication Model and then select New Entries.

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iv. Enter a Replication Model (/UGI_AR) and a description. In the Log Days field, you may enter the number of days after which you want an Application Log to expire. In the Data Model field, enter AR.

v. Select the newly defined Replication Model and choose Assign Outbound Implementation.

vi. Choose New Entries.

vii. Assign the outbound implementation /UGI4/AR.

viii. Assign a target system for the outbound implementation /UGI4/AR.

ix. Assign the outbound parameter PACK_SIZE_BULK to the outbound implementation /UGI4/AR with the Outbound Parameter Value 1000.

c. Save and Activate the Replication Model

4.11. Setting Up POWL (Personal Object Work List)

Ensure the following table entries to be maintained in table “IBO_C_WF_TAS”.

Note

"The incorrect entries for UGI4 in table IBO_C_WF_TAS" needs to be deleted before adding the following entries.

Application	Workflow Task ID	Task Completed	Action Name	Notes	Attachments
/UGI4/MDM_CREQUEST	TS53200002		USMDCREQUESTPROCESS		
/UGI4/MDM_CREQUEST	TS54307924		USMDCREQUESTPROCESS		
/UGI4/MDM_CREQUEST	TS54307925		USMDCREQUESTPROCESS		
/UGI4/MDM_CREQUEST	TS54307928		USMDCREQUESTPROCESS		
/UGI4/MDM_CREQUEST	TS54307931		USMDCREQUESTPROCESS		
/UGI4/MDM_CREQUEST	TS54307937		USMDCREQUESTPROCESS		
/UGI4/MDM_CREQUEST	TS60807954		USMDCREQUESTPROCESS		
/UGI4/MDM_CREQUEST	TS60808004		USMDCREQUESTPROCESS		
/UGI4/MDM_CREQUEST	TS60808005		USMDCREQUESTPROCESS		
/UGI4/MDM_CREQUEST	TS60808007		USMDCREQUESTPROCESS		
/UGI4/MDM_CREQUEST	TS75707943		USMDCREQUESTPROCESS		
/UGI4/MDM_CREQUEST	TS75707979		USMDCREQUESTPROCESS		
/UGI4/MDM_CREQUEST	TS75707980		USMDCREQUESTPROCESS		
/UGI4/MDM_CREQUEST	TS75707981		USMDCREQUESTPROCESS		

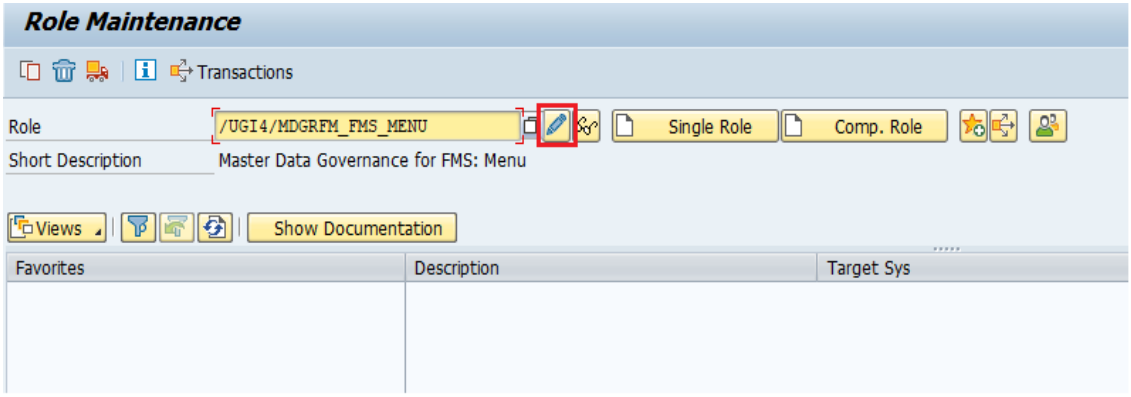
4.11.1. Configure Standard POWL application for MDG

Note

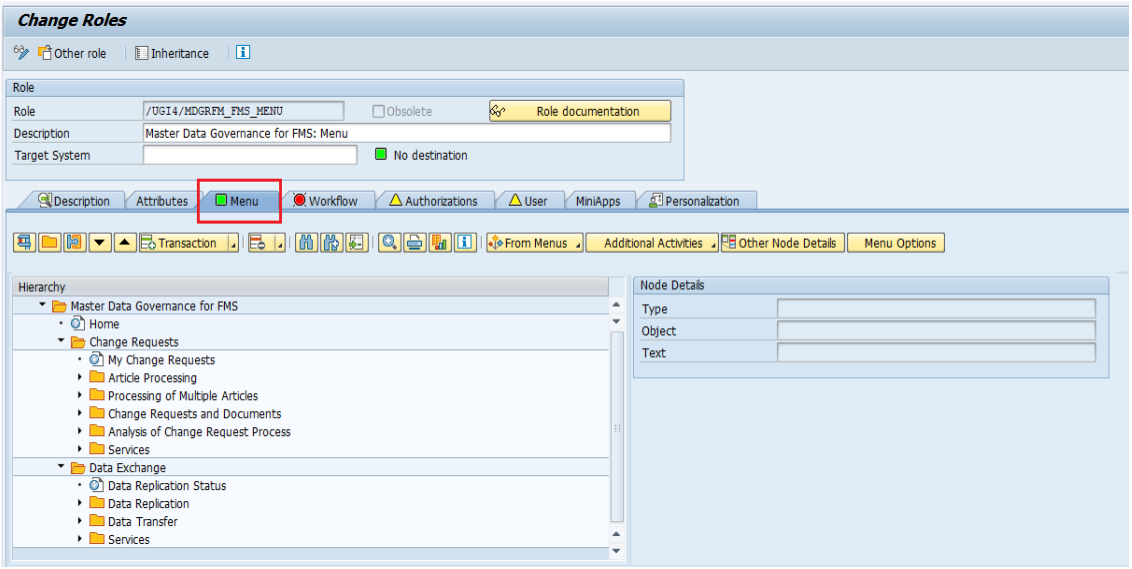
This is an optional step.

If customers want to use the standard MDG POWL Inbox, use the following steps to configure the same.

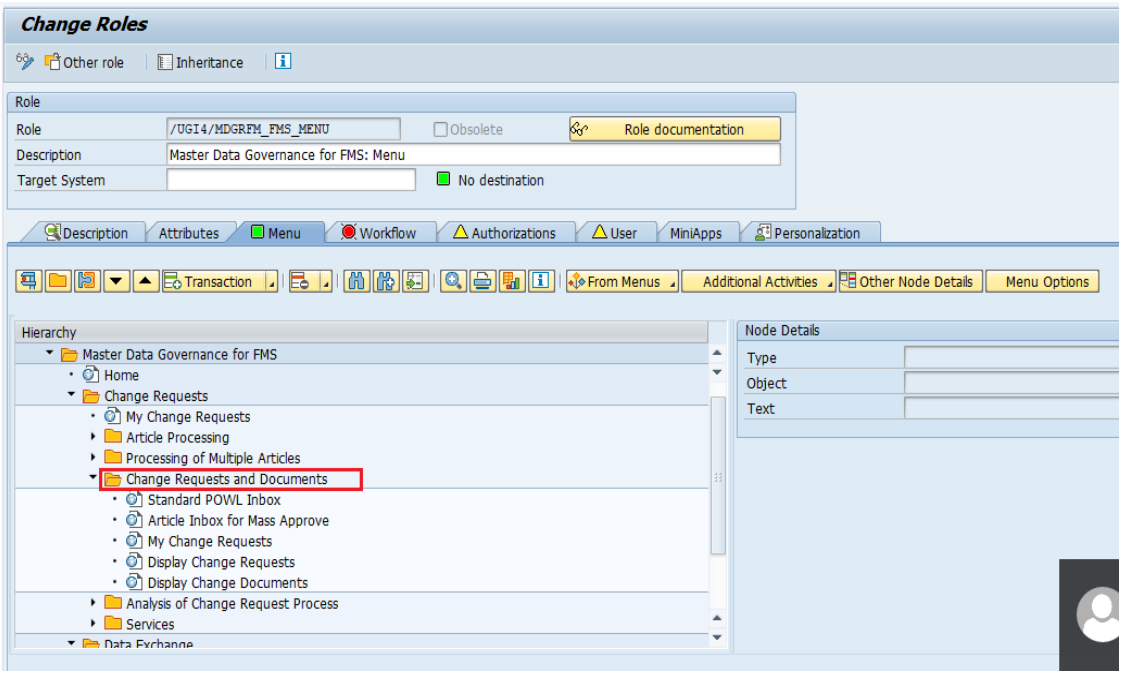
1. Go to transaction PFCG and provide Role name as '/UGI4/MDGRFM_FMS_MENU'.
2. Click on "Change" button.



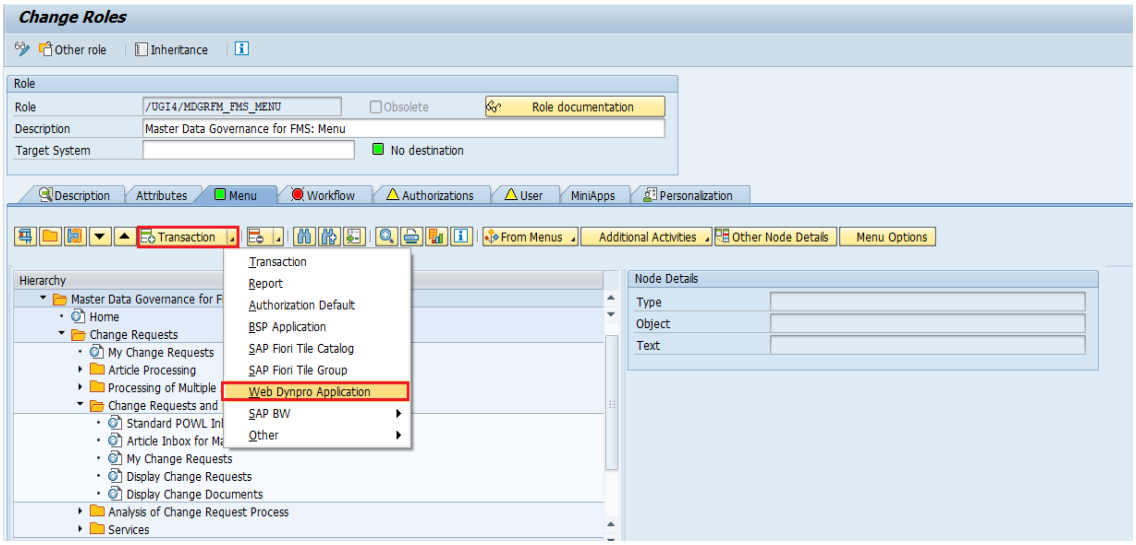
3. Click the "Menu" tab.



4. In the hierarchy menu, select folder Role Master Data Governance for FMS→Change Requests→Change Requests and Documents.



5. In the toolbar bar, click on “Transaction” button menu → Select Web Dynpro Application.



Another window opens.

6. Fill the required fields as shown below and click the ‘Enter’ button.
   - Web Dynpro Application: IBO_WDA_INBOX
   - Description: Standard POWL Inbox
   - Configuration: USMD_CREQUEST_POWL

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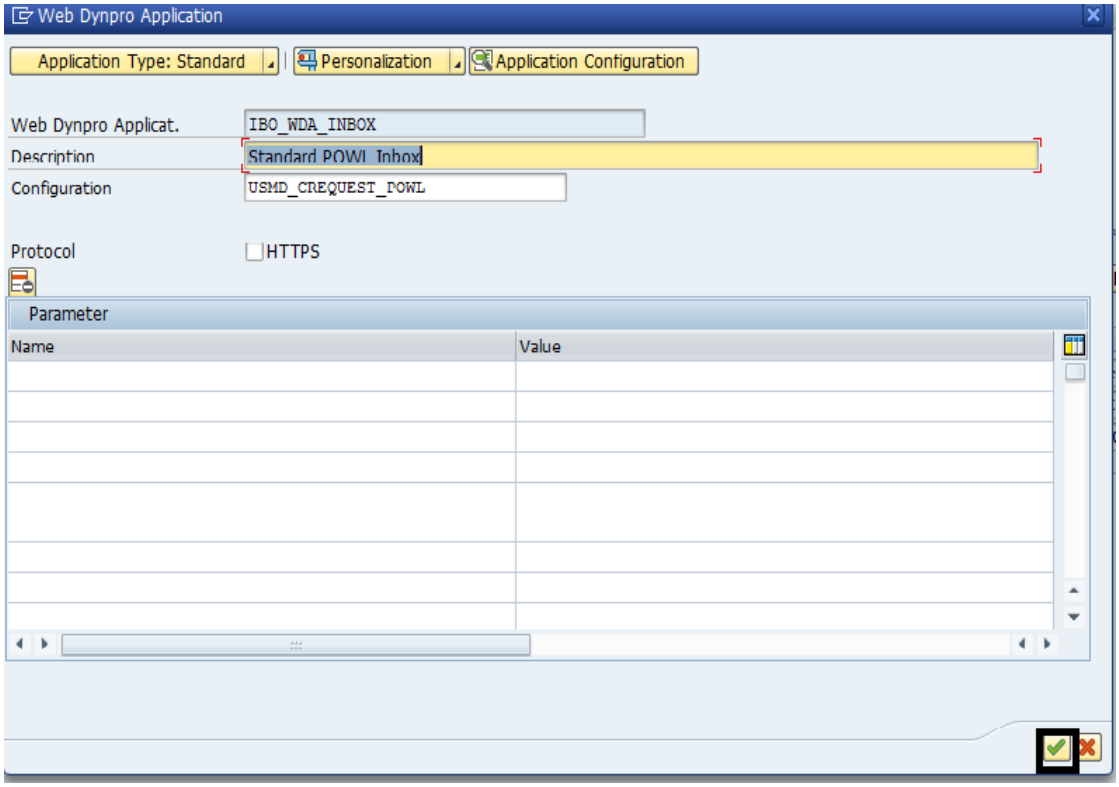

Note

Repeat the above steps for all other relevant /UGI4/ Roles.

4.12. Choose where you want to run SAP MDG

You can run SAP Master Data Governance in either of the following environments:

- SAP NetWeaver Portal
- SAP NetWeaver Business Client
- Fiori Interfaces

4.12.1. SAP NetWeaver Portal

The SAP NetWeaver Portal content for MDG for Material is derived directly from the system PFCG roles. To create SAP NetWeaver Portal roles for your users, you must log on to your portal and upload the content information from your back-end system PFCG roles.

To upload your portal content to the portal, perform the following actions:

1. Set up your SAP NetWeaver Portal for MDG.
    a. In the Content Administration work center choose Portal Content Management > Portal Content and select a portal content folder to upload the portal content to.
    b. Right-click the folder and choose New > Role > Role from Back End.
    c. Select the system and client (or the connected system alias) you want to upload the role information from. This should be your MDG system.
    d. From the displayed list, select the MARA roles you want to upload the content from and begin the upload.

e. After the roles are uploaded, perform the following actions to assign and personalize the MDG portal roles as follows:

   i. Log on to the portal.

   ii. Choose the Delegated User Administration.

   iii. Enter your User ID and choose Go.

   iv. Mark the line of your user and choose Modify.

   v. Select the Assigned Roles tab.

   vi. Enter MDG as the search criteria.

   vii. Select the portal role you want to add.

   viii. Choose Add and save.

f. After assigning the user role you need to log off and log on to the portal. For more information on uploading role information see SAP Note 1685257 [External].

4.12.2. SAP NetWeaver Business Client

If you are running SAP Master Data Governance on the SAP NetWeaver Business Client (and not on the SAP NetWeaver Portal), you need to create, define, and configure the roles for the Business Client in the SAP ERP system.

There are four roles containing authorization and navigation information and one role (/UGI4/MDGRFM_MENU) OR (/UGI4/MDGRFM_FMS_MENU) containing only navigation information.

To assign and personalize the roles of Master Data Governance for RFM perform the following actions:

1. On the SAP Easy Access screen, choose Tools > Administration > User Maintenance > Role Administration > Roles or alternatively, run t-code PFCG (Role Maintenance). Choose role /UGI4/MDGRFM_MENU.
   a. This role ensures that the necessary steps can be started without using the SAP NetWeaver Portal. This can be used for testing or if the portal is inactive.

   b. Verify the setting of the authorization objects within the roles and restrict them if required.

   c. On the SAP Easy Access screen, choose Tools > Administration > User Maintenance > Users. Run t-code SU01 (User Maintenance) and assign the Master Data Governance for Material: Menu role (/UGI4/MDGRFM_MENU) for application to the MDG user.

   d. Repeat these steps to assign additional authorization roles to your users.

4.12.3. Fiori Interfaces

If you want to use the delivered FIORI User Interfaces, follow the complementary guide UGI_RFM_9.2_Fiori_ImplementationGuide_S4H [External]

4.13. Configure Process Quality Metrics (Optional)

MDG comes with a small set of BI queries that support the visual analysis and overall monitoring of the Change Requests. They are included in Web Dynpro Applications (List View) and one dashboard, which is based upon Xcelsius.

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4.13.1. Prerequisites

- A browser with Flash plug-in

MDG Analytics is based on operational analytics in ECC. The Info provider is an ODP (Operation Data Provider) and it is in the ECC system and not in BW.

Refer to the document: MDG_Analytics_BI_Content_Activation [External] for more details.

Note

Ensure that the following services are activated:

- MDG_MONITOR_CR_PROCESTIME - Application Configuration for Monitoring CR Processing Time
- MDG_CR_PROCESTIME_TREE – Processing Time
- MDG_ANLY_CR_REJ_REASON - Change Request Rejection reason

4.14. Choosing a UI theme to run SAP Master Data Governance

To apply Belize themes for customers using MDG-RFM, perform the following steps:

1. If the MDG version used is lower than MDG 9.0 on S/4HANA, ensure the following parameters mentioned in the screen below are set to the values as displayed.

   If not perform the following instructions:

   a. Go to the package 'USMD_GENERIC_BOLUI' that contains the Web Dynpro application using t-code SE80.

   b. In the package structure, locate Web Dynpro FPM Application 'USMD_OVP_GEN'.

   Execute the following steps for the application:

   c. Select the application and switch to tab "Parameters".

      i. Switch to edit mode.

      ii. Locate parameter "WDDISPLAYLOADINGPAGE" and set its value to 2, if already not set. Add the parameter, if required.

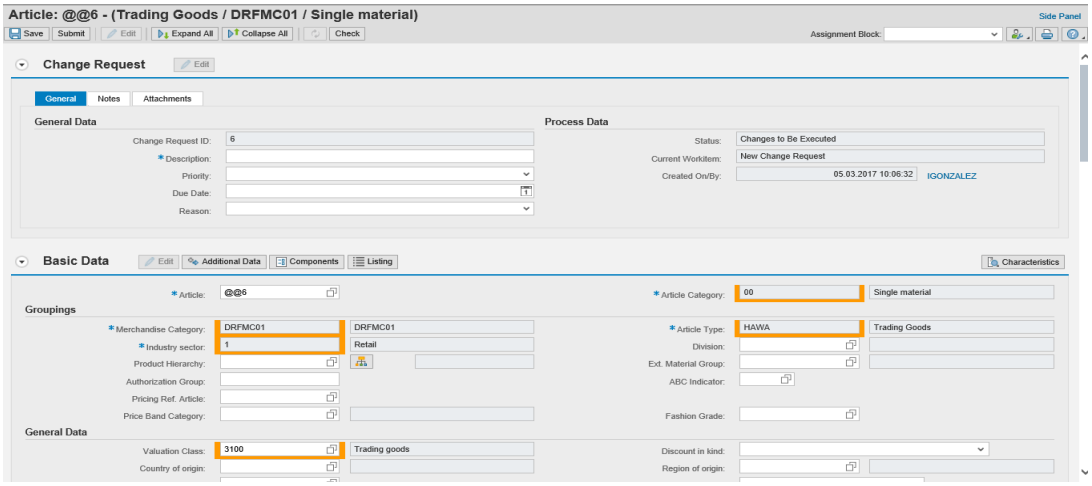
      iii. Save the changes.

Application USMD_OVP_GEN Saved

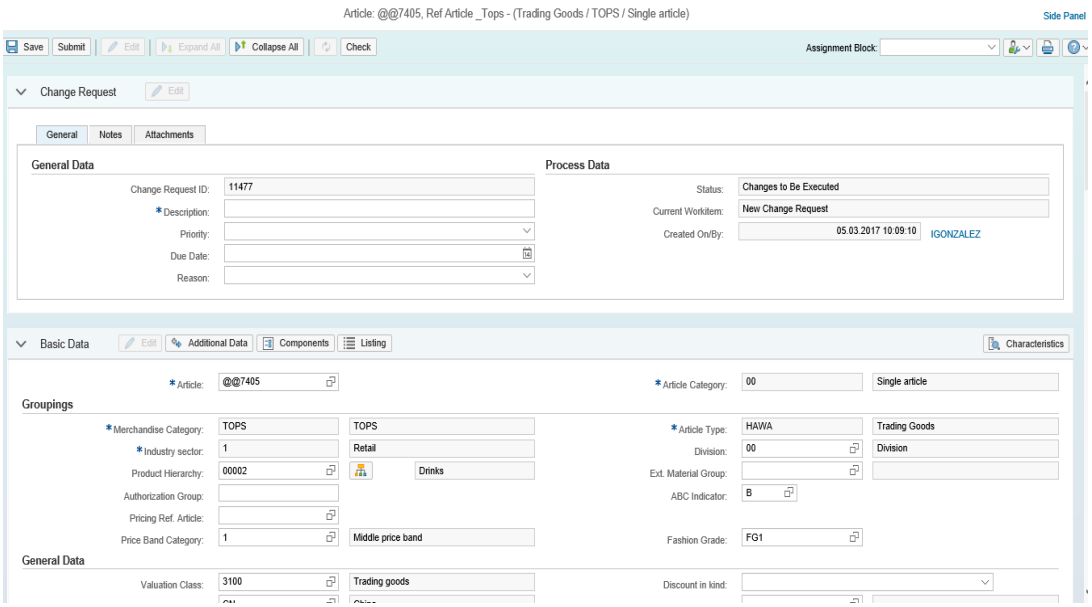
Properties | Parameters

Parameters	Value	Type	Description
ACTION			Application-Specific Attribute
BCV_CONTEXT_KEY	MDGAF_SOM		Application-Specific Attribute
CRTYPE			Application-Specific Attribute
FPM_IGNORE_WIRE_SOURCE	X		Application-Specific Attribute
FPM_PAGING_ACTIVE			Application-Specific Attribute
MDG_HC_COLOR_SAVED			Application-Specific Attribute
MDG_HC_COLOR_UNSAVED			Application-Specific Attribute
MDG_HC_DISABLE			Application-Specific Attribute
USMD_OTC			Application-Specific Attribute
USMD_SEARCH_EDITION_MODE			Application-Specific Attribute
WDCONFIGURATIONID		STRING	Configuration Name
WDDISPLAYLOADINGPAGE	2	WDR_APP_PROP_DISP_LOADINGPAGE	Application Starts with a Loading Ani…
WDSIDEPANELCONFIGURATIONID	/BCV/SIDEPANEL_20	STRING	Configuration ID of Side Panel
WDSTYLE_TOOLBARDESIGN	FLAT	WDR_APP_PROP_TOOLBAR_DESIGN	Toolbar Design
WDUIGUIDELINE	GL20	WDR_APP_PROP_UIGUIDELINE	UI Guideline
WFSTEP			Application-Specific Attribute

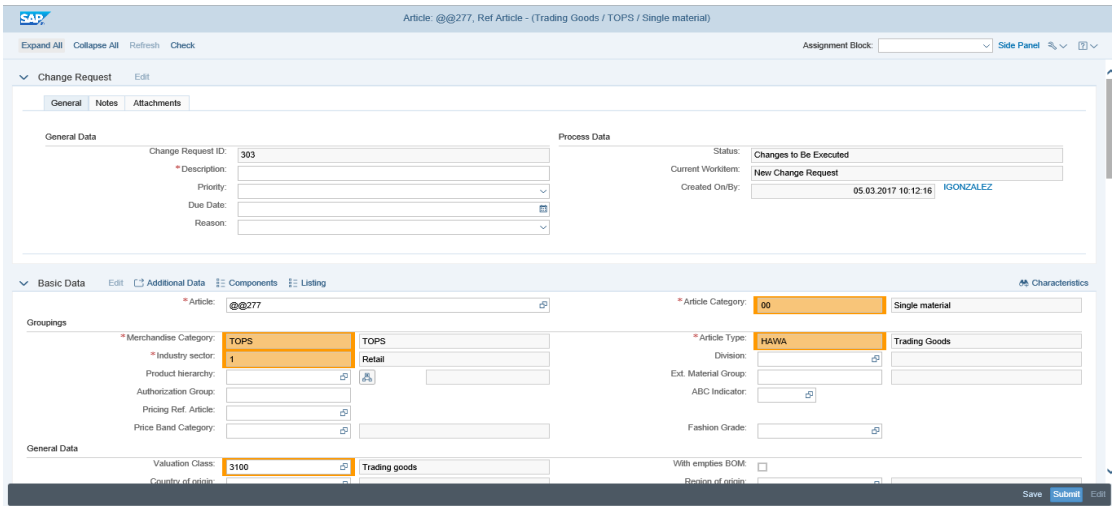
In SAP MDG you can choose different User Interface (UI) themes to display the UI. The UI theme for default is SAP_CORBU theme (that is the theme displayed below).



The SAP_BLUECRYSTAL theme also exists, and the theme has a FIORI 1.0 as displayed below.

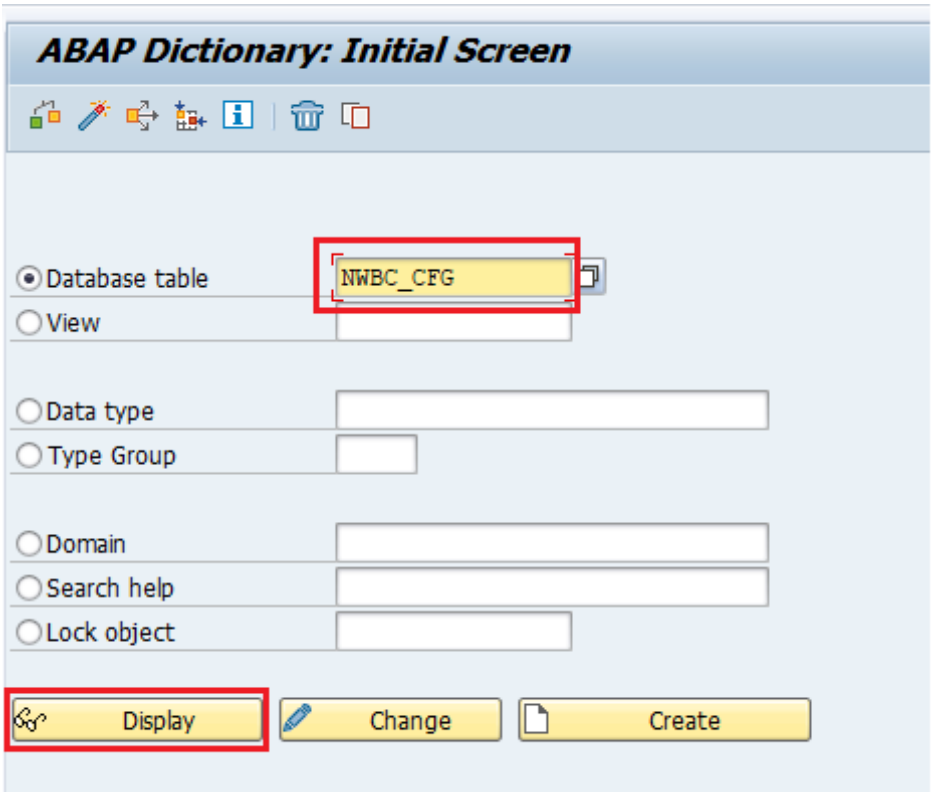


If you are running MDG for RFM 920 in S/4HANA, SAP_BELIZE theme is available with a FIORI 2.0 as displayed below.

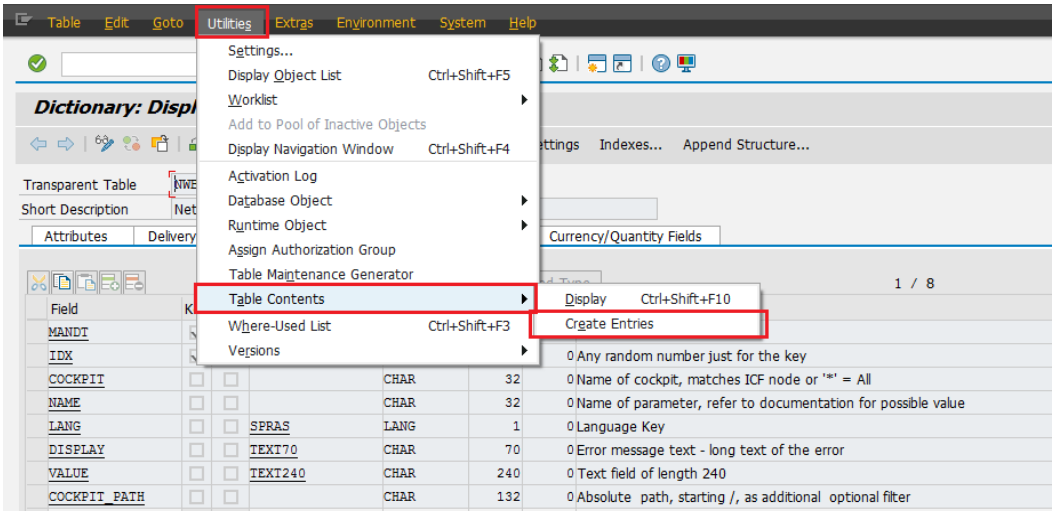


To choose and run the required theme, perform the following actions.

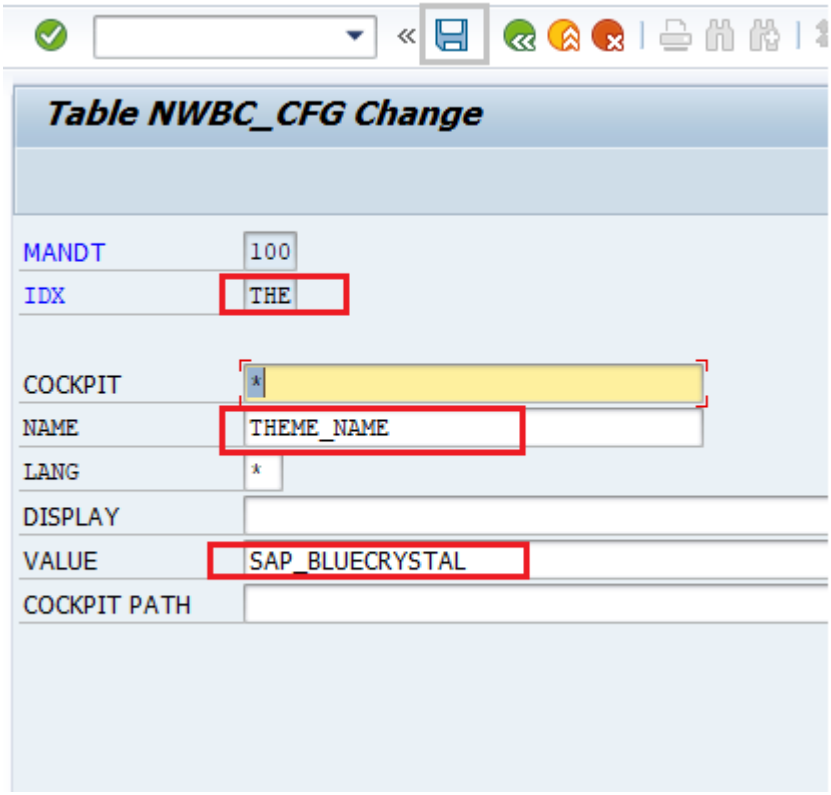
1. Go to t-code SE11 and access to table NWBC_CFG and click “Display”.



2. Click Utilities >Table Contents > Create Entries

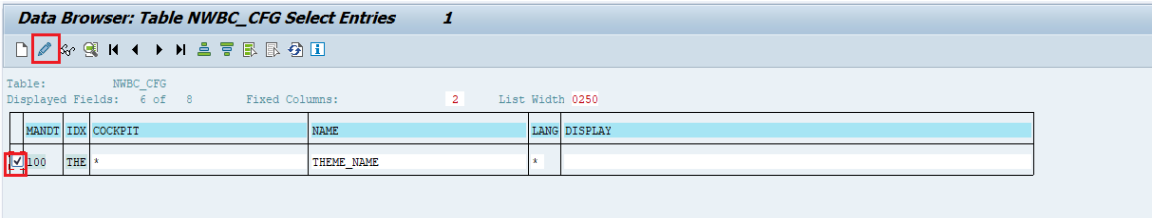


3. Provide the theme details as given below and click “Save”.

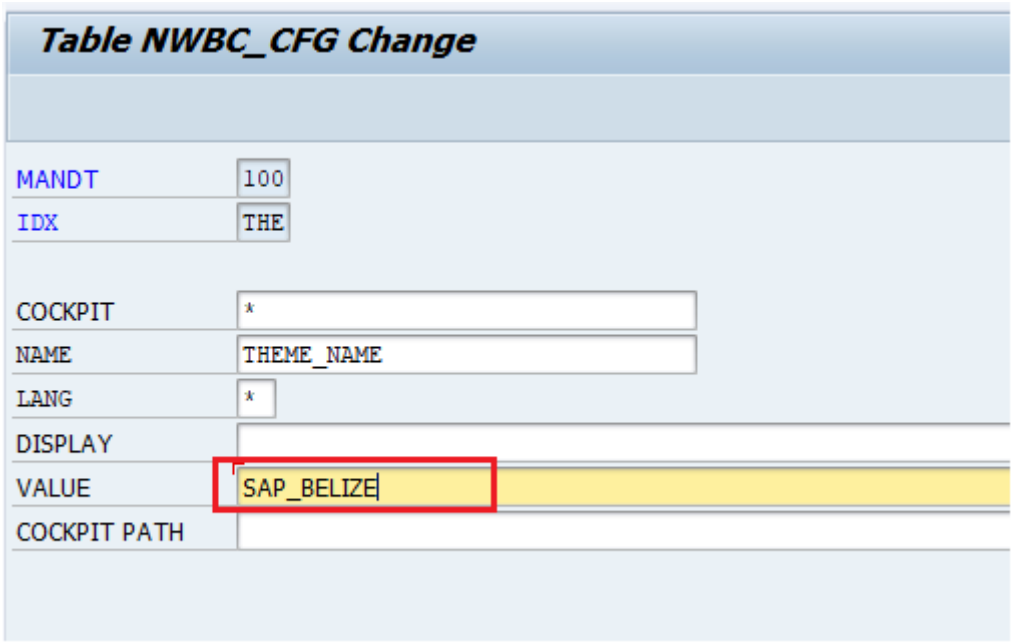


- IDX: THE <- could be any value
- COCKPIT: *
- NAME: THEME_NAME
- LANG: *
- VALUE: SAP_BLUECRYSTAL

1. If you want to change the Theme in the future, perform the following.
    a. Access the table
    b. Edit the row



    c. Change the field VALUE.
    d. Click Save.



4.15. Final Steps

SAP recommends regenerating the Data Model again after completing the setup steps to ensure clear code generation.

Configuring Optional Retail Mass Processing Addon

5. Prerequisites/Before You Start

Before you start using Retail Mass Processing, make sure that the following prerequisites are fulfilled. The following topics are discussed in the section:

- Install MDG RFM 9.2
- Notes
- User Roles
- Time Out Parameter

5.1. Install MDG RFM 9.2

Before you install Retail Mass Processing, you should install and configure MDG RFM 9.2 solutions and above versions.

For installation of MDG RFM 9.2, refer to UGI_RFM_9.2_InstallationGuide_S4H.

5.2. User Roles

Assign the Retail Mass Processing (RMP) standard roles to the users, depending on their responsibilities in the Company:

- /UGIRMP/RFM_MASS_MENU - Retail Mass Processing by Utopia

5.3. Time Out Parameter

Maintain parameter, icm/keep_alive_timeout, value as 10000 sec.

6. Configuration Process

This process describes the minimal set of customizing steps and recommended check activities required to do the following:

- Activating Business Configuration Set
- Validating RMP Schemas
- Validating RMP Scope Tables
- Navigating User Interface
- Verifying UI Modeling (Optional)
- Configuring Change Request Settings
- Configuring Workflow Tasks
- Set Up the Rule-Based Workflow
- Set Up of Data Replication
- Choosing where you want to run SAP MDG
- Choosing UI Theme to run SAP Master Data Governance
- GenIL (Generic Interaction Layer) Component Adjustments
- Verifying and updating Server Group Config
- Final Steps

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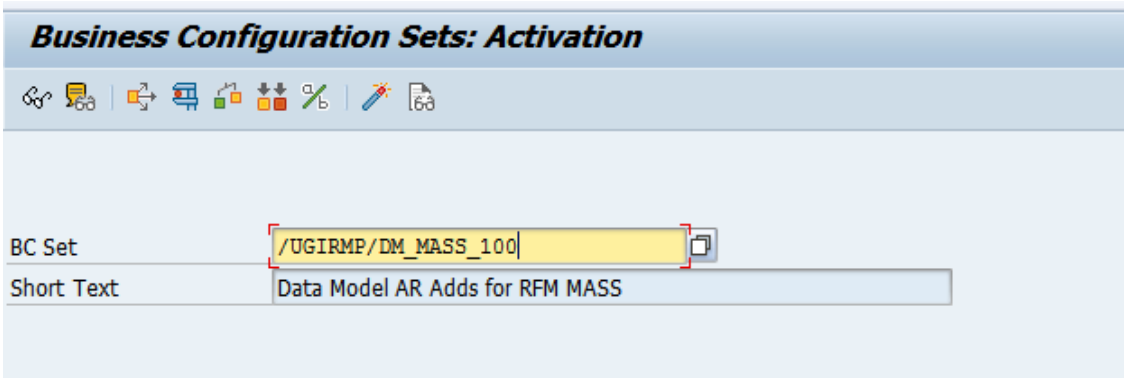
6.1. Activating Business Configuration Set

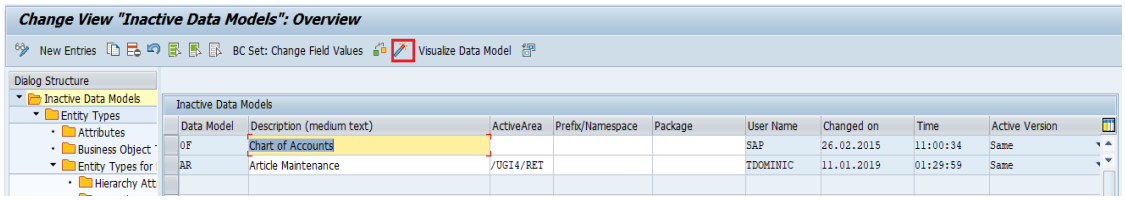
To enable the Retail Mass Processing (RMP) pre-delivered content, navigate to transaction code (t-code) SCPR20 and activate the following BC Sets in sequence:

2. /UGIRMP/DM_MASS_100: Data Model AR adds for RFM MASS
    a. Enter BC Set /UGIRMP/DM_MASS_100 and click on “Activate” button.

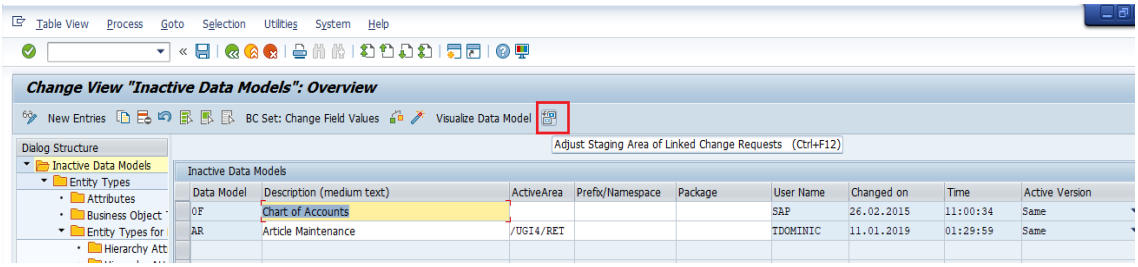


Once this BC set activated, you need to activate the data model. You can activate the data model using the following steps.

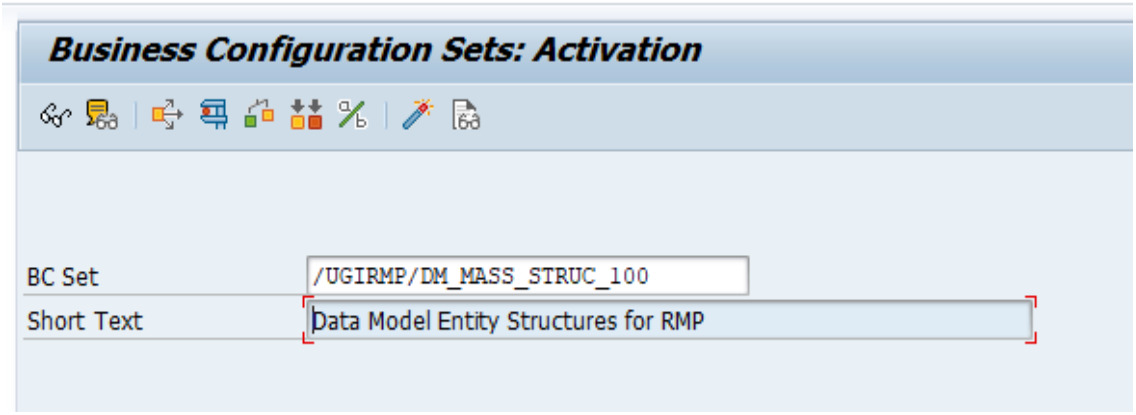
    b. Activate the delivered data model AR in Customizing for Master Data Governance under General Settings > Data Modelling > Edit Data Model.



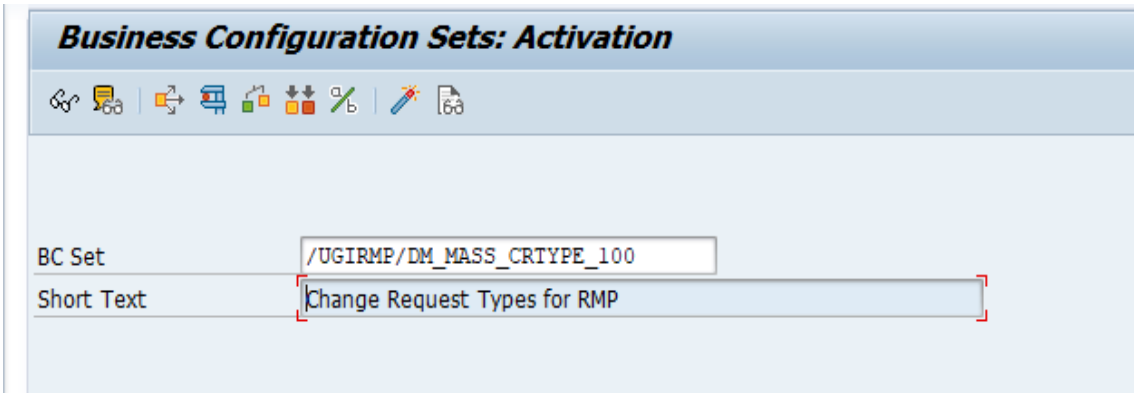
    c. Adjust Staging Area of Linked Change Requests > General Settings > Data Modelling > Edit Data Model.



3. /UGIRMP/DM_MASS_STRUC_100: Data Model Entity Structures for RMP.
    a. Enter BC Set /UGIRMP/DM_MASS_STRUC_100 and click on “Activate” button.

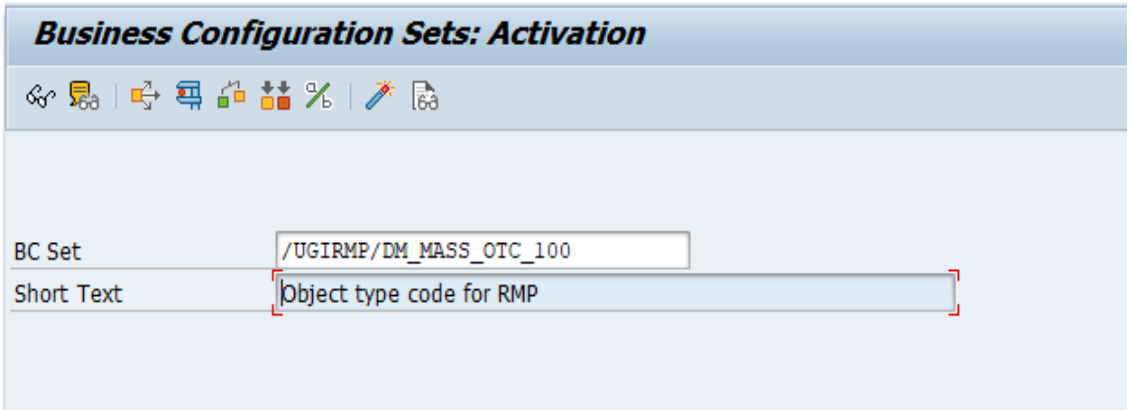


4. /UGIRMP/DM_MASS_CRTYPE_100: Change Request Types for RMP.
    a. Enter BC Set /UGIRMP/DM_MASS_CRTYPE_100 and click on “Activate” button.

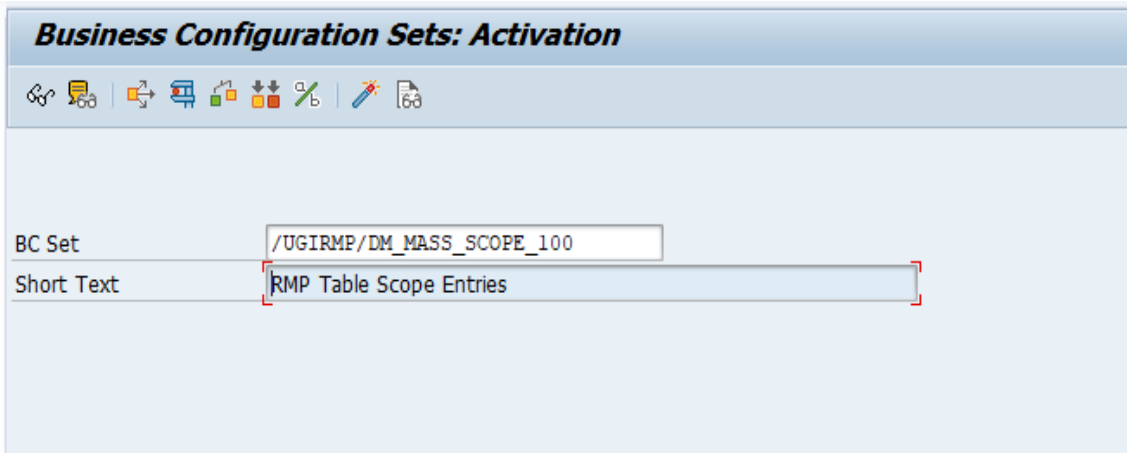


5. /UGIRMP/DM_MASS_DRF_100: Data Replication Config entries for RMP.
    a. Enter BC Set /UGIRMP/DM_MASS_DRF_100 and click on “Activate” button.

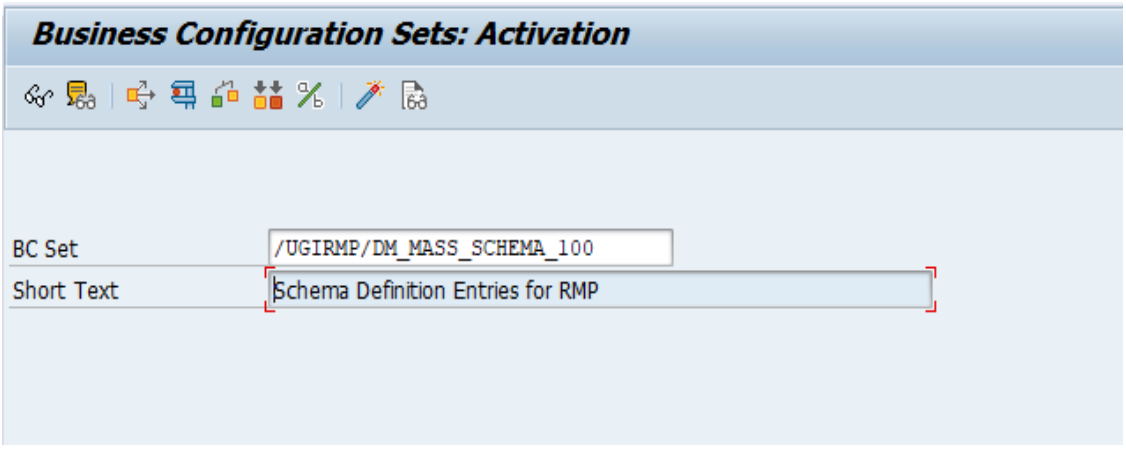
6. /UGIRMP/DM_MASS_OTC_100: Object type code for RMP.
    a. Enter BC Set /UGIRMP/DM_MASS_OTC_100 and click on “Activate” button.



7. /UGIRMP/DM_MASS_SCOPE_100: RMP Table Scope Entries.
    a. Enter BC Set /UGIRMP/DM_MASS_SCOPE_100 and click on “Activate” button.



8. /UGIRMP/DM_MASS_SCHEMA_100: Schema Definition Entries for RMP
    a. Enter BC Set /UGIRMP/DM_MASS_SCHEMA_100 and click on “Activate” button.



6.2. Validating RMP Schemas

Validate the standard RMP schemas in the view cluster provided. The standard schemas available with the RMP solution are listed as following.

- UGIRMP_CHANGE: Mass Change of Articles

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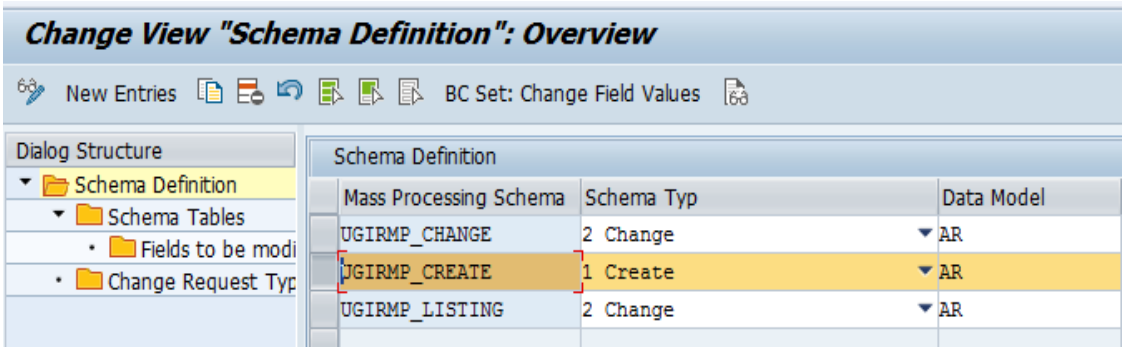
- UGIRMP_CREATE: Mass Create of Articles
- UGIRMP_LISTING: Mass Listing for Articles

Note

Make sure that the mentioned standard schemas and related details (schema tables, fields to be modified and Change Request types) are available in the schema definition.

Use the following steps to validate the RMP schemas.

1. Run t-code MDGIMG.
2. Navigate to Retail Mass Processing by Utopia > Process Modeling > Schema Definition. RMP Schema Types are displayed as in the following screen.



3. Verify RMP Schema Tables and Order.

Schema Definition	Description	Schema Tables	Table Order
UGIRMP_CHANGE	Mass Change of Articles	ARTHIER	31
		AUSP	19
		BOM	35
		EINA	16
		EINE	17
		EINSGT	36
		FSH_SEASONS_MAT	5
		MAKT	6
		MALG	23
		MARA	1
		MARC	2
		MARM	4
		MAW1	3
		MBEW	8
		MEAN	9
		MLAN	7
		MLEA	10
		MLGN	11
		MLGT	12
		MPOP	13
		MVKE	14
		RESTRICT	20
		SGT_MADKA	30
		SGT_MARM	24
		SGT_MLGN	26
		SGT_MLGT	25
		SGT_MRP	28
		SGT_MRP_GN	29
		SGT_MVKE	27
		SUBSTN	32
		TXCOMP	21
		TXFIBR	22
		VARIANT	18
		WLK2	15

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Schema Definition	Description	Schema Tables	Table Order
		WTADDI	33
UGIRMP_CREATE	Mass Create of Articles	ARTHIER	31
		AUSP	19
		BOM	32
		EINA	8
		EINE	9
		EINSGT	34
		FSH_SEASONS_MAT	6
		MAKT	5
		MALG	21
		MARA	1
		MARC	2
		MARM	4
		MAW1	3
		MBEW	11
		MEAN	12
		MLAN	7
		MLEA	13
		MLGN	14
		MLGT	15
		MPOP	16
		MVKE	17
		RESTRICT	20
		SGT_MADKA	30
		SGT_MARM	24
		SGT_MLGN	26
		SGT_MLGT	25
		SGT_MRP	28
		SGT_MRP_GN	29
		SGT_MVKE	27
		TXCOMP	22
		TXFIBR	23
		VARIANT	10
		WLK2	18
		WTADDI	99
UGIRMP_LISTING	Mass Listing for Articles	LISTING	1

As an example, screens from UGIRMP_CHANGE schema tables and order are displayed:

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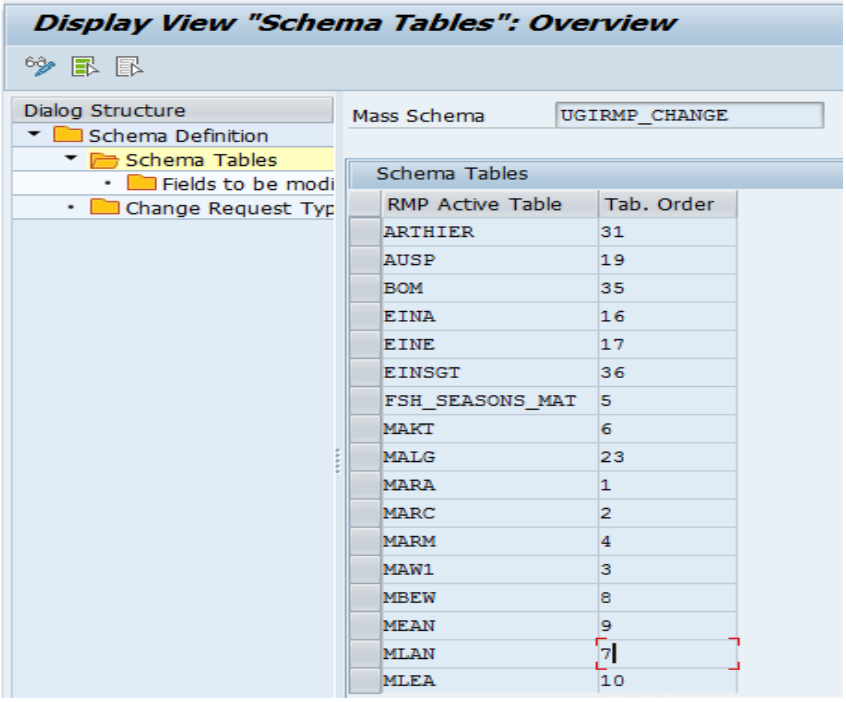


Note

- If you need to add any new tables, you need to add the table names in the respective schema and provide the respective fields in the table.
- If you want to enhance table with additional fields, add the fields directly under a specific schema specific table.
- If you want to add any custom fields which are available in the above standard tables or added tables through this schema, API should support the updating of custom fields data. then only this Mass change solution will be supported.

4. Verify the Change Request Type.

Mass Processing Schema	Change Request Type
UGIRMP_CHANGE	UGIRMP1
UGIRMP_CREATE	UGIRMP1
UGIRMP_LISTING	UGIRMP1

6.2.1. Add New Field

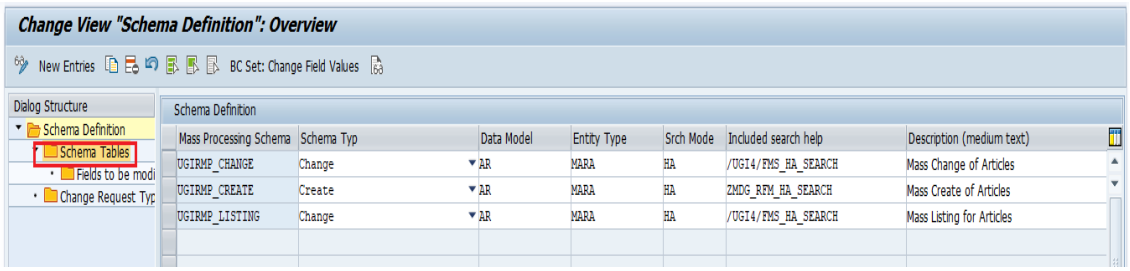
Note

Refer the following documents for custom field addition.

- UGI_RFM9.2_RMP_HowToGuide_Extend_RMP

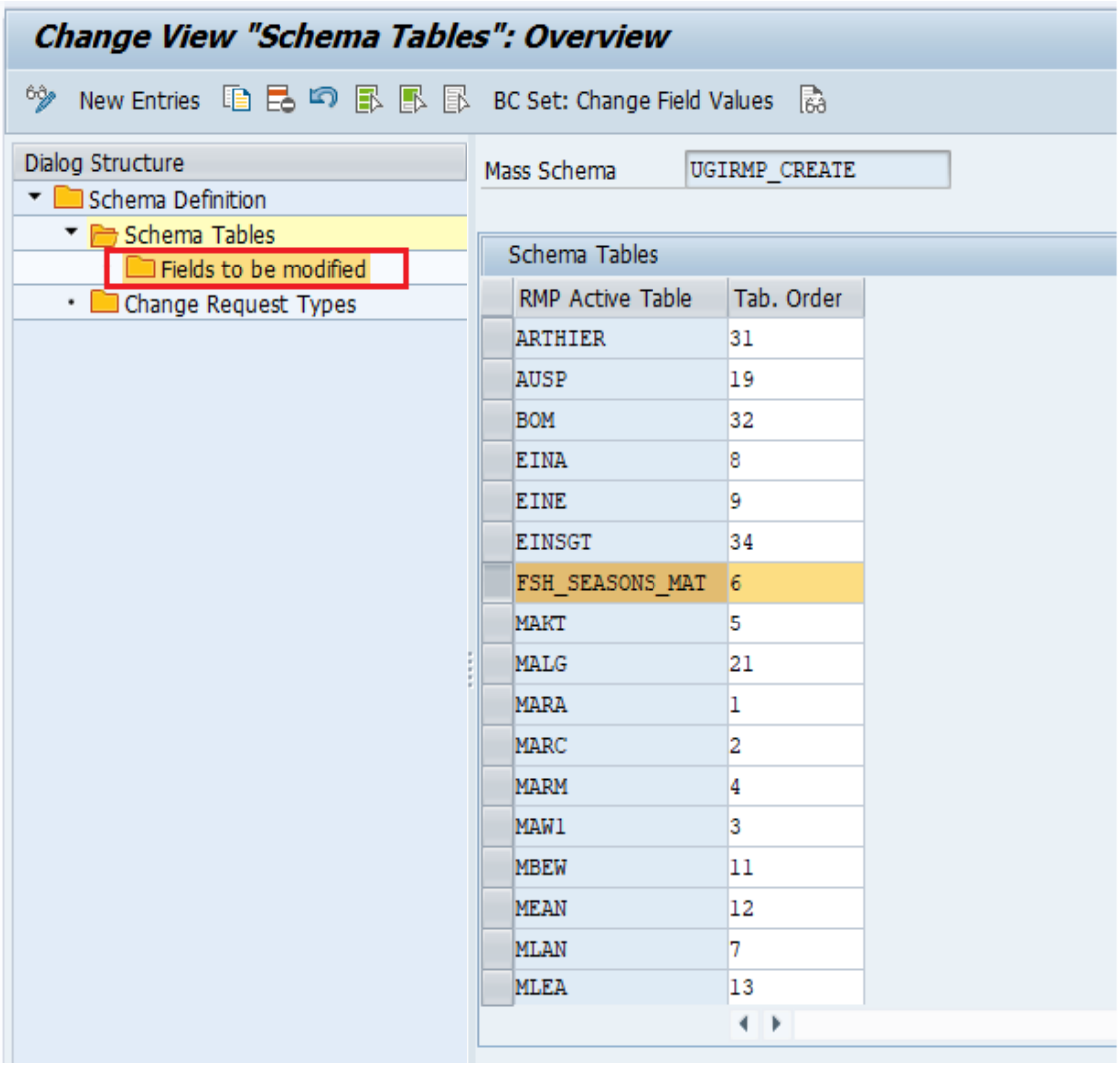
Use the following steps to add a standard field from the standard table.

1. Navigate to Customizing for Master Data Governance under Retail Mass Processing by Utopia > Process Modeling > Schema Definition.
   The following screen is displayed with the available schemas.
2. Select the specific schema and click on “Schema Tables”.

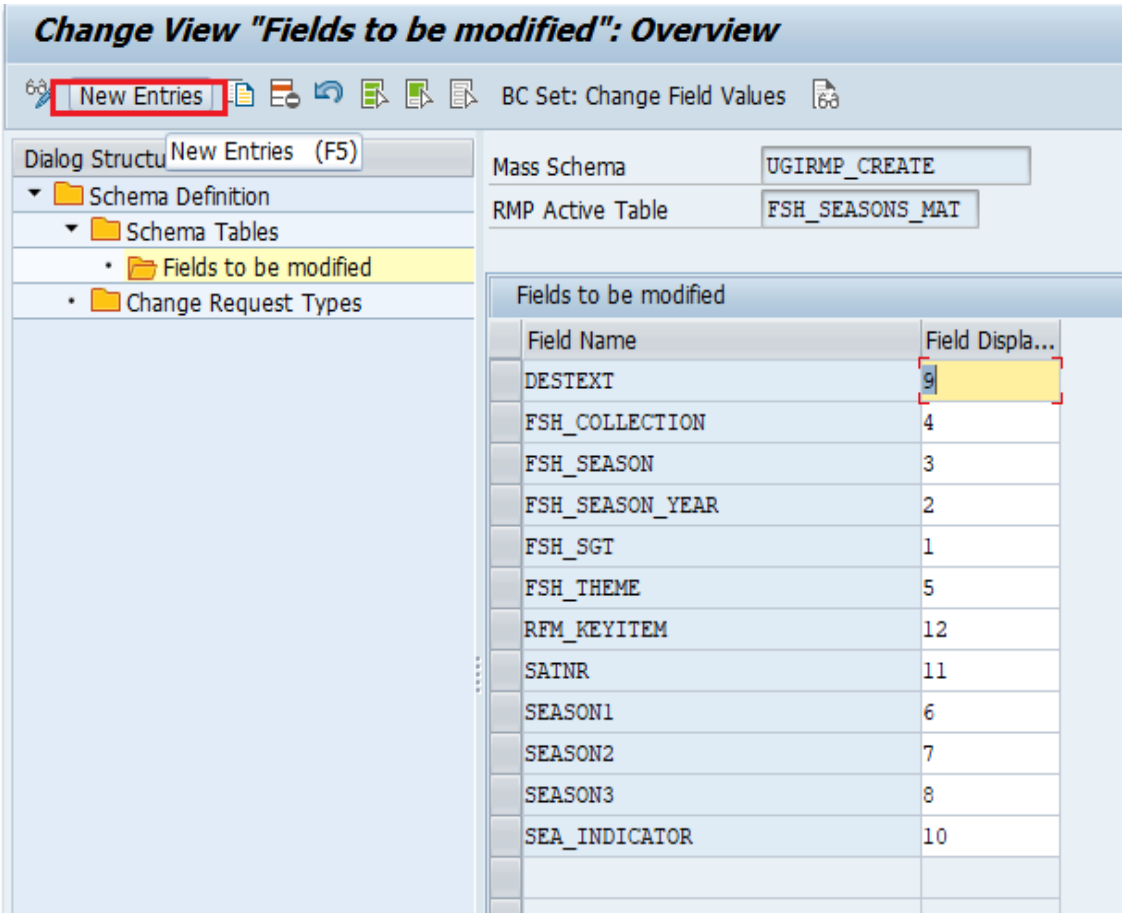


The Schema Tables are displayed.

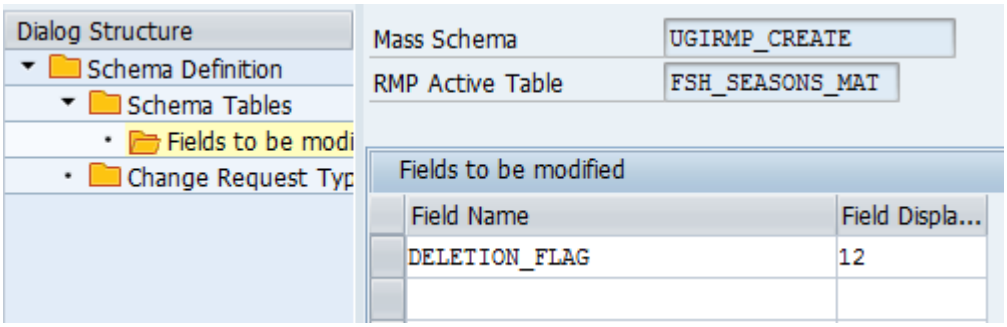
3. Select the table and click on “Fields to be modified” as displayed in the following screen.



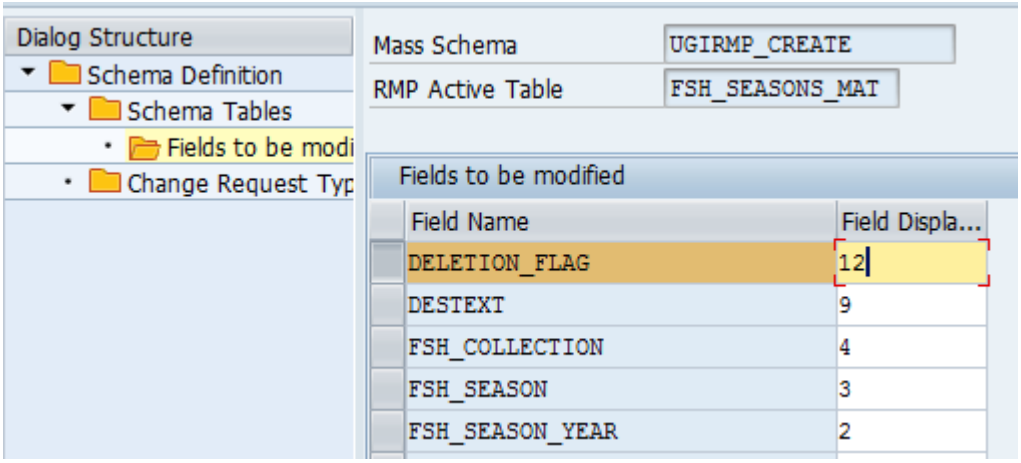
4. Click on “New Entries”.



5. Add the “Field Name” and the “Field Display order” and save.

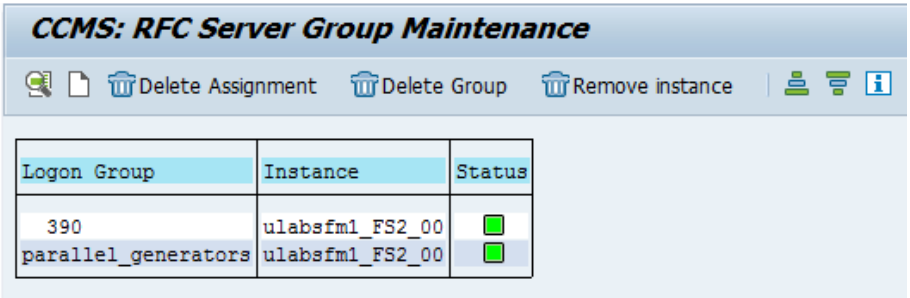


The field is added to the “Fields to be modified” as displayed in the following screen.



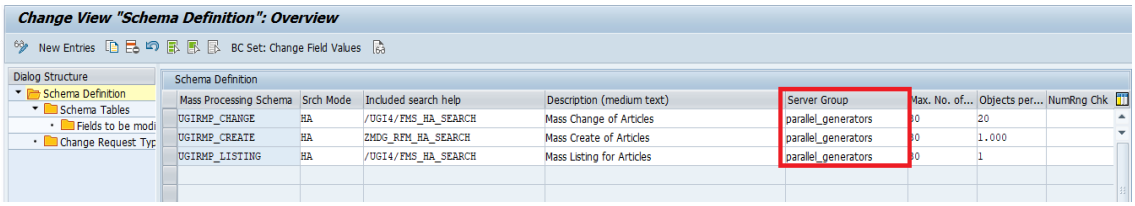
6.2.2. Verifying and updating Server Group Config

1. Verify Server Group. Run t-code RZ12 and verify the login server group maintained against the system instance.



2. Update the server group as shown in the following screen.

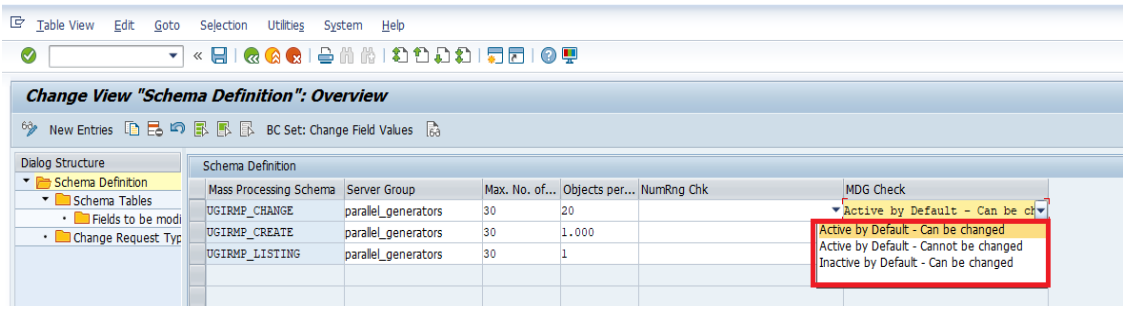
   Navigate to Master Data Governance, Central Governance Retail Mass Processing by Utopia Process Modeling Schema Definition.



6.2.3. Configure MDG Check flag for RMP Schema (Optional)

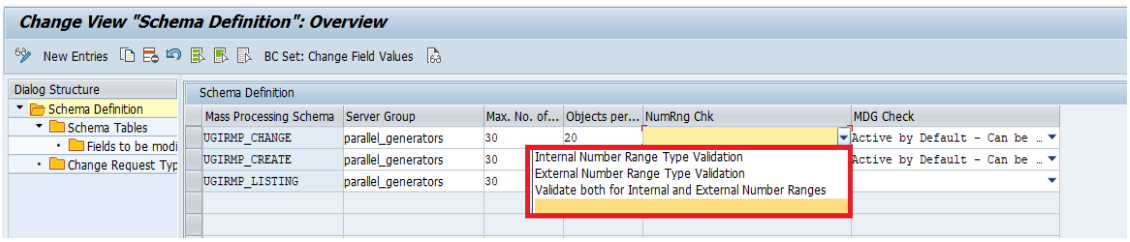
1. Navigate to Master Data Governance, Central Governance Retail Mass Processing by Utopia Process Modeling Schema Definition.
2. Select the option for MDG Check based on the requirement to one of the values below
   a. *Active by Default – Can be changed* (if this is set, the MDG Check option will be enabled by default for the change request once the relevant schema type is selected and can be changed by the user in the change request UI
   b. *Active by Default – Cannot be changed* (if this is set, the MDG Check option will be enabled by default for the change request once the relevant schema type is selected and the UI field will be read-only.

c. *Inactive by Default – Can be changed* (if this is set, the MDG Check option will not be enabled by default for the change request once the relevant schema type is selected and can be changed by the user in the change request UI



6.2.4. Configure Number Range Check flag for RMP Schema (Optional)

1. Navigate to Master Data Governance, Central Governance Retail Mass Processing by Utopia Process Modeling Schema Definition.
2. Select the option for Number Range Check for the Schema to one of the below value based on the requirement
   a. *Internal Number Range Type Validation* - if this is set, the article creation will perform a number range validation against internal number range and throw an error if not a valid internal number.
   b. *External Number Range Type Validation* - if this is set, the article creation will perform a number range validation against external number range and throw an error if not a valid external number.
   c. *Validate both for Internal and External Number Ranges* - if this is set, the article creation will perform a number range validation against internal/external number ranges based on article type and throw an error if not in a valid number range



6.3. Validating RMP Scope Tables

Navigate to Customizing for Master Data Governance under ▶ Retail Mass Processing by Utopia ▶ Data Modelling ▶ Data Model Table Scope & Information.

RMP Active Table	RMP Staging Table	RMP Historical Table	Configuration Identification	Table Description
ARTHIER	/UGIRMP/HEIR	/UGIRMP/HEIR_H	/UGIRMP/_AR_HEIRARCHY_LIST	Article Hierarchy
AUSP	/UGIRMP/CHAR	/UGIRMP/CHAR_H	/UGIRMP/_AR_CHAR_LIST	Characteristics
BOM	/UGIRMP/BOM	/UGIRMP/BOM_H	/UGIRMP/_AR_BOM_LIST	Components
EINA	/UGIRMP/EINA	/UGIRMP/EINA_H	/UGIRMP/_AR_EINA_LIST	Purchasing-Vendor
EINE	/UGIRMP/EINE	/UGIRMP/EINE_H	/UGIRMP/_AR_EINE_LIST	Purchasing-Org & Site
EINSGT	/UGIRMP/EINSGT	/UGIRMP/EINSGT_H	/UGIRMP/_AR_EINSGT_LIST	Purch. Segmentation
FSH_SEASONS_MAT	/UGIRMP/SEASONS	/UGIRMP/SEASON_H	/UGIRMP/_AR_SEASONS_LIST	Seasons
LISTING	/UGIRMP/LIST	/UGIRMP/LIST_H	/UGIRMP/_AR_LISTING_LIST	Listing
MAKT	/UGIRMP/MAKT	/UGIRMP/MAKT_H	/UGIRMP/_AR_MAKT_LIST	Descriptions
MALG	/UGIRMP/MALG	/UGIRMP/MALG_H	/UGIRMP/_AR_MALG_LIST	Layout Modules
MARA	/UGIRMP/MARA	/UGIRMP/MARA_H	/UGIRMP/_AR_MARA_LIST	Basic Data
MARC	/UGIRMP/MARC	/UGIRMP/MARC_H	/UGIRMP/_AR_MARC_LIST	Logistic DC & Stores
MARM	/UGIRMP/MARM	/UGIRMP/MARM_H	/UGIRMP/_AR_MARM_LIST	Unit of Measure
MAW1	/UGIRMP/MAW1	/UGIRMP/MAW1_H	/UGIRMP/_AR_MAW1_LIST	Basic Retail
MBEW	/UGIRMP/MBEW	/UGIRMP/MBEW_H	/UGIRMP/_AR_MBEW_LIST	Accounting
MEAN	/UGIRMP/MEAN	/UGIRMP/MEAN_H	/UGIRMP/_AR_MEAN_LIST	GTIN
MLAN	/UGIRMP/TAX	/UGIRMP/TAX_H	/UGIRMP/_AR_TAX_LIST	Tax
MLEA	/UGIRMP/MLEA	/UGIRMP/MLEA_H	/UGIRMP/_AR_MLEA_LIST	Vendor GTIN
MLGN	/UGIRMP/MLGN	/UGIRMP/MLGN_H	/UGIRMP/_AR_MLGN_LIST	Warehouses
MLGT	/UGIRMP/MLGT	/UGIRMP/MLGT_H	/UGIRMP/_AR_MLGT_LIST	Storage Types
MPOP	/UGIRMP/MPOP	/UGIRMP/MPOP_H	/UGIRMP/_AR_MPOP_LIST	Forecast Data
MVKE	/UGIRMP/MVKE	/UGIRMP/MVKE_H	/UGIRMP/_AR_MVKE_LIST	Sales
RESTRICT	/UGIRMP/RESTRICT	/UGIRMP/RESTRI_H	/UGIRMP/_AR_RESTRICT_LIST	Variant Restrictions
SGT_MADKA	/UGIRMP/SGMADK	/UGIRMP/SGMADK_H	/UGIRMP/_AR_SGT_MADKA_LIST	Account Seg.
SGT_MARM	/UGIRMP/SGMARM	/UGIRMP/SGMARM_H	/UGIRMP/_AR_SGT_MARM_LIST	Weights n Vol. Seg.
SGT_MLGN	/UGIRMP/SGMLGN	/UGIRMP/SGMLGN_H	/UGIRMP/_AR_SGT_MLGN_LIST	Warehouse Seg.
SGT_MLGT	/UGIRMP/SGMLGT	/UGIRMP/SGMLGT_H	/UGIRMP/_AR_SGT_MLGT_LIST	Storage Seg.
SGT_MRP	/UGIRMP/SGMRP	/UGIRMP/SGMRP_H	/UGIRMP/_AR_SGT_MRP_LIST	MRP Segment

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RMP Active Table	RMP Staging Table	RMP Historical Table	Configuration Identification	Table Description
SGT_MRP_GN	/UGIRMP/SGMRPG	/UGIRMP/SGMRPG_H	/UGIRMP/_AR_SGT_MRP_GN_LIST	MRP Gen Seg,
SGT_MVKE	/UGIRMP/SGMVKE	/UGIRMP/SGMVKE_H	/UGIRMP/_AR_SGT_MVKE_LIST	Sales Seg.
SUBSTN	/UGIRMP/SUBST	/UGIRMP/SUBST_H	/UGIRMP/_AR_SUBST_LIST	Substitution
TXCOMP	/UGIRMP/TXCOMP	/UGIRMP/TXCOMP_H	/UGIRMP/_AR_TXCOMP_LIST	Textile Components
TXFIBR	/UGIRMP/TXFIBR	/UGIRMP/TXFIBR_H	/UGIRMP/_AR_TXFIBR_LIST	Textile Fiber Codes
VARIANT	/UGIRMP/VARIANT	/UGIRMP/VARIAN_H	/UGIRMP/_AR_VARIANT_LIST	Generic Variants
WLK2	/UGIRMP/WLK2	/UGIRMP/WLK2_H	/UGIRMP/_AR_WLK2_LIST	POS
WTADDI	/UGIRMP/WTADDI	/UGIRMP/WTADDI_H	/UGIRMP/_AR_WTADDI_LIST	Additionals
WYT2	/UGIRMP/WYT2	/UGIRMP/WYT2_H	/UGIRMP/_AR_WYT2_LIST	Vendor Char

Note

- In case of any table addition supported by API (maintained in the schema tables), you need to create staging table and staging history table. The table details should be maintained in the above configuration as listed in the section on Validate RMP Scope Tables.

6.4. Navigating User Interface

- Link Log. Actions with UI Application and Bus. Act.: Standard Definition
- Link Logical Actions with Business Activity: Standard Definition

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6.4.1. Link Log. Actions with UI Application and Bus. Act.: Standard Definition

The logical actions shown in the tables in section UI navigation for RMP change needs to be manually entered.

Navigate to Customizing for Master Data Governance under General Settings > Process Modeling > Business Activities > Link Log. Actions with UI Application and Bus. Act. Standard Definition.

6.4.1.1. UI navigation for RMP Change

BO Type	Log, Action	Current UI Application Name	Current UI Configuration	Target UI Application	Target UI Configuration	Business Activity
/UGIRMP/MA	*	*		USMD_OVP_GEN	/UGIRMP/_AR_MASS	MAS3
/UGIRMP/MA	CREATE	*		USMD_OVP_GEN	/UGIRMP/_AR_MASS	MAS1

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6.5. Verifying UI Modeling (Optional)

The User Interface (UI) configuration activities are relevant only if you want to change the UI or if the AR data model has been enhanced.

In this Customizing activity, you can specify if the system can hide the entity types for the data model AR, and where it can hide.

Verify the pre-delivered field properties for the data model AR in Customizing under General Settings > UI Modeling > Manage UI Configurations.

The Web Dynpro application and the application configuration in the PFCG role combine with settings made in Customizing to determine the UI displayed.

You need to verify the UI modeling for the following Web Dynpro application configurations:

Web Dynpro Application	Application Configuration	UI
USMD_OVP_GEN	/UGIRMP/_AR_MASS	/UGIRMP/_AR_MASS_OVP
USMD_SEARCH	/UGIRMP/_AR_SEARCH_FMS	/UGIRMP/_AR_SEARCH_OVP_FMS

Note:

- UI configuration/adaptation and step dependent properties are done using the RMP configuration. CBA or MDGIMG configurations are not used in RMP

6.6. Configuring Change Request Settings

Depending on your requirements you might want to adjust and enhance the default Change Request values. The following information describes the minimal settings for a basic governance process.

3. Review and/or define which statuses the change requests can have, and which processing options are enabled for those statuses. Optionally, you can add new statuses to be used in the Change Request types.

   For more information, see Customizing for Master Data Governance under General Settings > Process Modeling > Change Requests > Edit Statuses of Change Requests.

   The following statuses are delivered for the SAP standard processes.

Status Value	Description	Permitted Processing
00	To Be Evaluated	Change of Object List
01	To Be Considered and Approved	Change of Object List
02	Changes to Be Executed	Execution of Changes
03	To Be Revised	Change of Object List
04	Final Check to Be Performed	No Processing
05	Final Check Approved	No Processing
06	Final Check Rejected	No Processing
07	Activation Failed	No Processing
08	Approved; to Be Replicated	No Processing
09	Dependent Data to Be Processed/Approved	Execution of Changes
10	To Revise: Perform Changes	Execution of Changes
11	Process Errors After Activation	Execution of Changes
12	Approved, Contact Person to be Processed	No Processing
99	No Status Set	No Processing

4. Check that the following business activities are in your system and that they are assigned to the default data model AR.

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Navigate to Customizing for Master Data Governance under General Settings Process Modeling Business Activities Create Business Activity.

- MAS1 RFM Mass Create
- MAS3 RFM Mass ID Display

5. Validate Change Request types for data model AR.

   Navigate to Customizing for Master Data Governance under General Settings Process Modeling Change Requests Create Change Request.

   The following table shows the Change Request types for data model AR. Only the relevant columns are included.

Change Request Type	Data Model	Description	Single Object	Main Entity Type	Workflow
UGIRMP1	AR	Retail Mass Processing	Yes	MASS	WS60800086

   The standard workflow template used by Master Data Governance for Article is WS60800086. This template is a rule-based workflow which uses BRF+ decision tables.

   There is also a workflow template without BRF+, which covers the same processes. If you want to use this template, replace template WS60800086 with template WS46000057 in the relevant Change Request type.

   The following settings should exist in the substructures of the Change Request type: UGIRMP1

   - Entity type: MASS
   - UI Configuration ID
   - Msg. output: Standard
   - Business Activity: RFM Mass Create (MAS1)
   - Service Level Agreement for Change Request Types: <leave empty>

6.7. Set Up the Rule-Based Workflow for RMP

RMP uses advanced workflow capabilities by combining the SAP Business Workflow with the SAP Business Rule Framework plus (BRF plus) tool. This section describes how to activate and load the necessary settings for BRF plus.

Run the following activity in Customizing: General Settings Process Modeling Workflow Rule-based Workflow Configure Rule-Based Workflow.

Alternatively, you can run t-code USMD_SSW_RULE.

1. Select Change Request UGIRMP1.
2. From the left pane, expand Decision Table, select the Single Value Decision Table, click Edit.
   a. From the displayed Additional Actions list, select “Import From Excel”.

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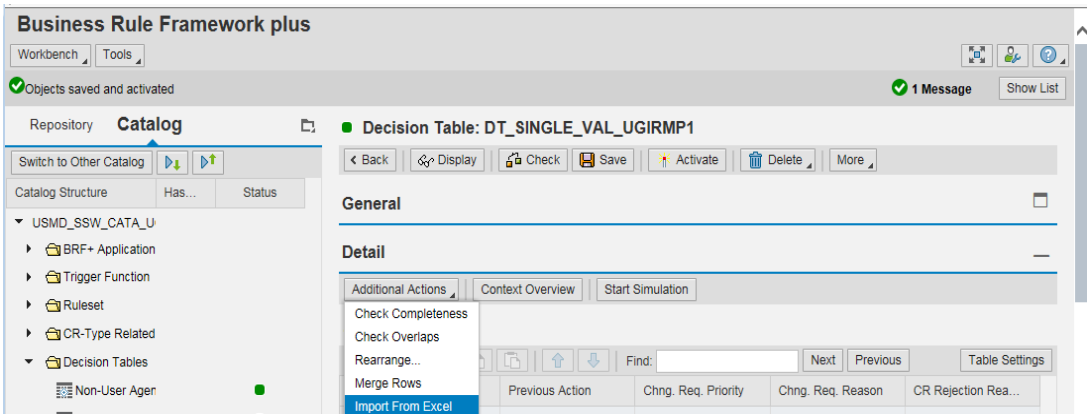
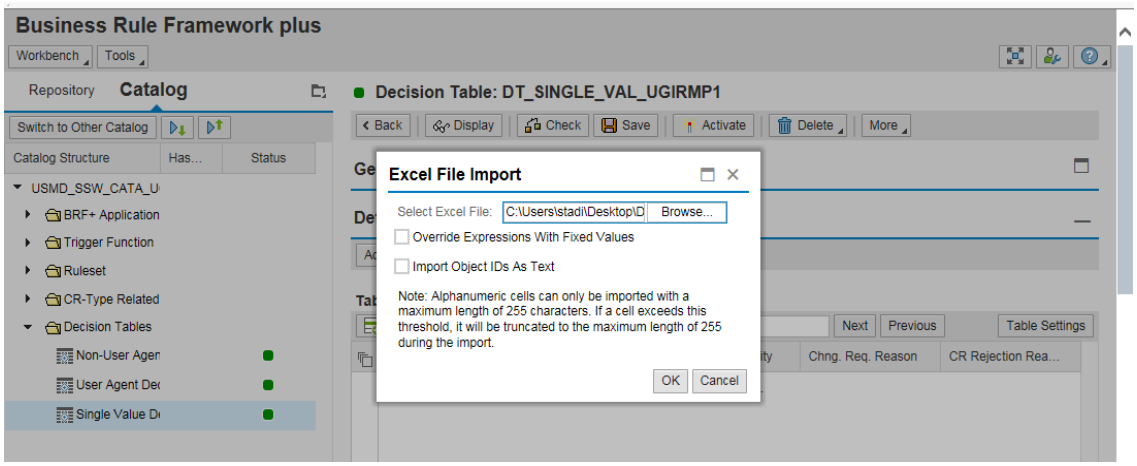


The system displays Export File Import popup.

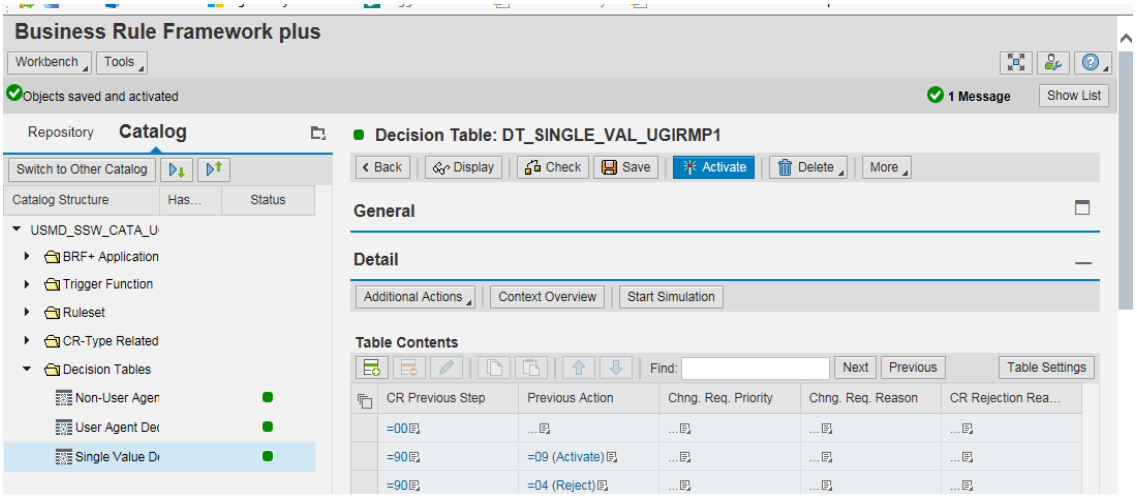
b. Click Browse, upload the enclosed file DT_SINGLE_VAL_UGIRMP1 and click OK.

Note

Do not change this file manually, upload the file as it is, and after the upload, you can change data in your table.



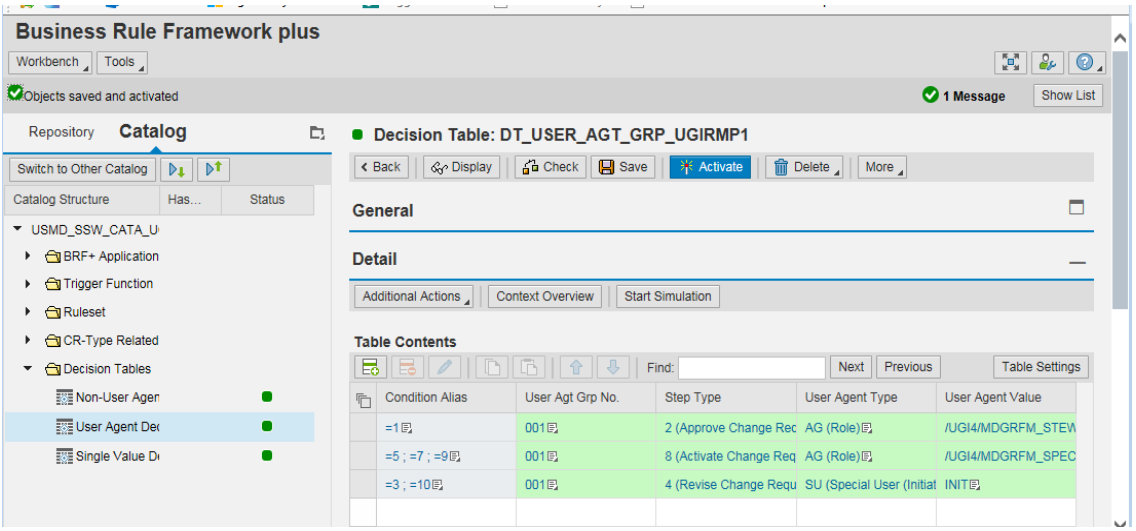
c. Activate the table.



3. From the left pane, select the User Agent Decision Table
   a. Click Edit.
   b. In Additional Actions, click “Import From Excel” and activate the table.
   c. Upload the enclosed Excel File DT_USER_AGT_GRP_ UGIRMP1 and click OK.

Note

Do not change this file manually and upload the file as it is. After uploading the file, you can change data in your table.



4. From the left pane, select the Non-User Agent Decision Table
   a. Click “Edit”.
   b. From Additional Actions, click “Import From Excel” and activate the table.
   c. Upload Excel File DT_NON_USER_AGT_GRP_UGIRMP1 and click OK.

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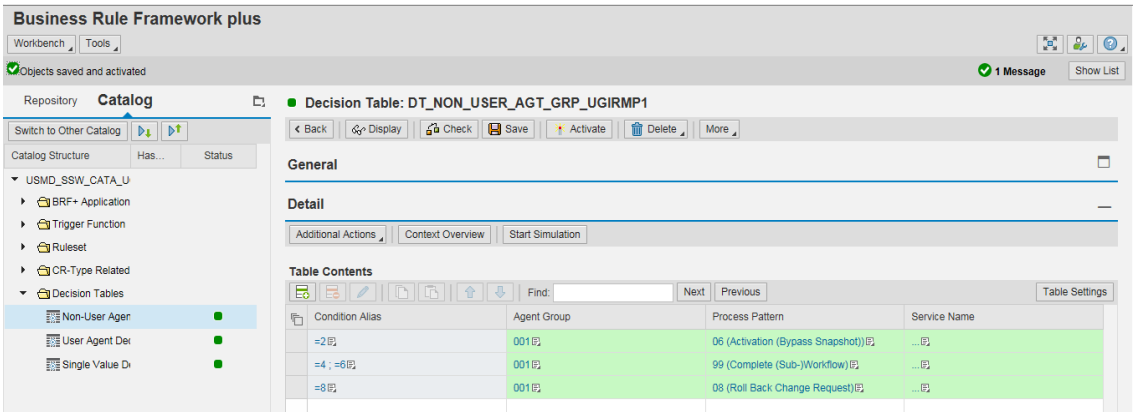
DT_NON_USER_AGT
_GRP_UGIRMP1.xlsx

Note

Do not change this file manually and upload the file as it is. After uploading the file, you can change data in your table.



Note

If you extend the BRF plus decision tables, make sure that the status of the final step is set to 05 Final Check Approved or 06 Final Check Rejected.

6.7.1. Minimal Settings

The following minimal settings for the relevant Change Request types are listed as follows.

- DT_SINGLE_VAL_UGIRMP1
- DT_NON_USER_AGT_GRP_UGIRMP1
- DT_USER_AGT_GRP_UGIRMP1

DT_NON_USER_AGT_GRP_UGIRMP1 and DT_SINGLE_VAL_UGIRMP1 contain the automated steps and follow-up logic used by the BRF plus. The follow-up logic can result in an automated step or in a user task that will be visible as a workflow.

Users involved in the Master Data Governance (MDG) process need to be included in table DT_USER_AGT_GRP_UGIRMP1. This action enables users to receive and execute the workflow tasks. Maintain agents (for example the users or organizations in the Portal Content and Portal Role Assignment sections of this guide) for all change request types and their associated workflow steps. Each condition alias that appears in the DT_SINGLE_VAL_UGIRMP1 table needs at least one processor, automatic or user (group). For all non-automated steps, at least one entry needs to exist in DT_USER_AGT_GRP_UGIRMP1.

Conduct this maintenance for all relevant Change Request types. Further details on the workflow concepts can be found here. The following Change Request types appear in the standard delivery: UGIRMP1.

The following step types are pre-delivered by SAP:

Step Type	Short Description	Actions
1	Check Change Request	01 Agree; 02 Disagree

Step Type	Short Description	Actions
2	Approve Change Request	03 Approve; 04 Reject
3	Process Change Request	05 Finalize Processing; 06 Send for Revision
4	Revise Change Request	07 Resubmit; 08 Withdraw
5	Activate Change Request	09 Activate; 10 Send for Revision
6	Approve Change Request (Without Rejection)	03 Approve; 06 Send for Revision
7	Revise Change Request (Without Rejection)	05 Finalize Processing
8	Activate Change Request	09 Activate; 04 Reject

The following agent types exist:

User Type Agent	Short Description
US	User
O	Organizational Unit
C	Job
S	Position
AG	Role
SU	Special User (Value for requestor: INIT. Value for previous-step user: LAST.)

The following is the standard content pre-delivered: DT_SINGLE_VAL_UGIRMP1

Previous Step	Previous Action	Condition Alias	New Step	New Change Request Status
00 (Create Change Request)	No value	1	80 (Approver)	02 (Changes to be executed)
90 (Final Check)	09 (Activate)	2	91 (Final Approval)	02 (Changes to be executed)
90 (Final Check)	04 (Reject)	3	95 (Revision Processing)	10 (To Revise: Perform Changes)
91 (Final Approval)	31 (Activation Successful)	4	99 (Complete)	05 (Final Check Approved)
91 (Final Approval)	<>31 (Activation Successful)	5	90 (Final Check)	11 (Process Errors After Activation)
92 (Revision/Cancel BG)	No value	6	99 (Complete)	06 (Final Check Rejected)
95 (Revision Processing)	07 (Request Again)	7	90 (Final Check)	02 (Changes to be executed)
95 (Revision Processing)	08 (Withdraw)	8	92 (Revision/Cancel BG)	02 (Changes to be executed)
80 (Approver)	03 (Approve)	9	90 (Final Check)	04 (Final Check to Be Performed)
80 (Approver)	04 (Reject)	10	95 (Revision Processing)	95 (Revision Processing)

DT_USER_AGT_GRP_UGIRMP1

COND_ALIAS	AGENT_GROUP	STEP_TYPE	USER_TYPE	USER_VALUE
1	001	2 (Approve Change Request)	AG	/UGI4/MDGRFM_STEW
5;7,9	001	8 (Activate Change Request)	AG	/UGI4/MDGRFM_SPEC
3; 10	001	4 (Revise)	SU	INIT

DT_NON_USER_AGT_GRP_UGIRMP1

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COND_ALIAS	AGENT_GROUP	PROCESS_PATTEREN
2	001	06 (Activation (Bypass Snapshot))
4;6	001	99 (Complete (Sub-)Workflow)
8	001	08 (Roll back change request)

Note

- It is necessary to activate your new entries for each of the three decision tables.
- The quickest way to allow users to participate in any workflow step for testing purposes is assigning the following roles to their user ID in SU01:
  - /UGI4/MDGRFM_STEW
  - /UGI4/MDGRFM_SPEC
- If the system cannot find a processor for your change requests, check the background steps of the Change Requests workflow log to see if a work item with the description Set Status x for Change Request y is in process or in error. If this is the case regenerate the authorization profile of SAP_ALL or include USMD* authorization objects into the authorization for the user WF-Batch.
- Choosing the process pattern 06 Activation (Bypass Snapshot) means that the article will be activated, even if the article record was changed in the backend system since the change request was created. Any backend changes are lost upon activation.

6.8. Set Up of Data Replication for RMP

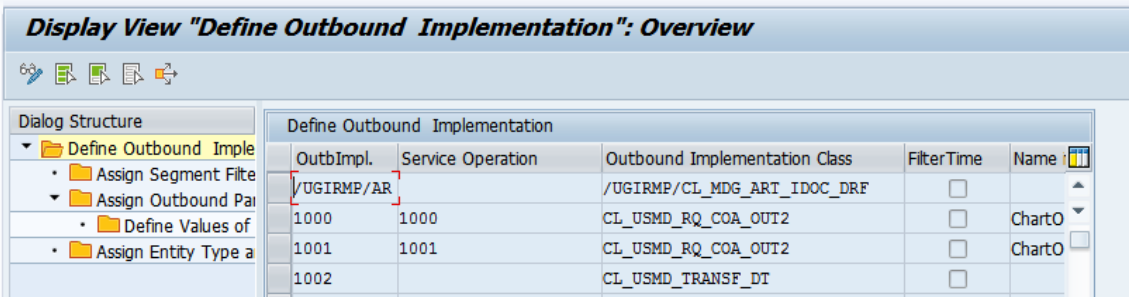
The following section describes the various steps to be followed to set up the Data Replication.

Please ensure the Section 4.10 is completed

6.8.1. Customizing for Data Replication Framework (DRF)

Use the following steps to customize DRF:

- Use t-code DRFIMG to check if the outbound implementation /UGIRMP/AR has been defined. Select Enhance Default Settings for Outbound Implementation Define Outbound Implementations. Choose Assign Segment Filter Objects and confirm that the following settings are made.



- Define the technical settings for the business system.
  a. Enter t-code DRFIMG and navigate to Define Custom Settings for Data Replication Define Technical Settings Define Technical Settings for Business Systems.
  b. In the Business System field specify the receiver system. In the Logical System field, enter the Logical System used for IDoc communication. In the RFC Destination field enter the RFC destination to be used for RFC communication with the receiver system.
  c. Select the entry and open the Define Bus. Systems, BOs view

d. In the BO Type field enter the business object type /UGIRMP/MA. In the Output Mode field, Object-Dependent Default is the default entry. You can optionally use, Direct Output, where changes are directly transferred to a target system.

e. Select the entry and double-click on Define Bus. Systems, BOs, Communication Channel. In the Communication Channel field enter the means you want to use to transmit data to the applications. In the Key Harm. field specify if you want your keys harmonized between the hub and the client systems.

- Create the replication model and assign it to the outbound implementation as follows:
  a. Enter t-code DRFIMG.
  b. Navigate to Data Replication > Define Custom Settings for Data Replication > Define Replication Models .
  c. Select Define Replication Model and then select New Entries.
  d. Enter a replication model (/UGIRMP/AR) and a description. In the Log Days field, you may enter the number of days after which you want an Application Log to expire. In the Data Model field, enter AR.
  e. Select the newly defined replication model and choose Assign Outbound Implementation.
  f. Choose New Entries.
  g. Assign the outbound implementation /UGIRMP/AR.
  h. Assign a target system for the outbound implementation /UGI4/AR.
  i. Assign the outbound parameter PACK_SIZE_BULK to the outbound implementation /UGIRMP/AR with the Outbound Parameter Value 1000.
- Save and activate the replication model

6.9. Choosing where you want to run SAP MDG

You can run SAP Master Data Governance in either of the following environments:

- SAP NetWeaver Portal
- SAP NetWeaver Business Client

6.9.1. SAP NetWeaver Portal

The SAP NetWeaver Portal content for MDG for material is derived directly from the system PFCG roles. To create SAP NetWeaver Portal roles for your users, you must log on to your portal and upload the content information from your back-end system PFCG roles.

To upload your portal content to the portal, perform the following actions:

1. Set up your SAP NetWeaver Portal for MDG.
2. In the Content Administration work center choose Portal Content Management > Portal Content and select a portal content folder to upload the portal content to.
3. Right-click the folder and choose New > Role > Role from Back End.
4. Select the system and client (or the connected system alias) you want to upload the role information from. This should be your MDG system.
5. From the displayed list, select the MARA roles you want to upload the content from and begin the upload.

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6. After the roles are uploaded, perform the following actions to assign and personalize the MDG portal roles as follows:
    a. Log on to the portal.
    b. Choose Delegated User Administration.
    c. Enter your User ID and choose Go.
    d. Mark the line of your user and choose Modify.
    e. Select the Assigned Roles tab.
    f. Enter MDG as the search criteria.
    g. Select the portal role you want to add.
    h. Choose Add and save.
7. After assigning the user role you need to log off and log on to the portal. For more information on uploading role information see SAP Note 1685257.

6.9.2. SAP NetWeaver Business Client

If you are running SAP Master Data Governance on the SAP NetWeaver Business Client (and not on the SAP NetWeaver Portal), you need to create, define, and configure the roles for the Business Client in the SAP ERP system.

There is one role /UGIRMP/RFM_MASS_MENU containing only navigation information.

To assign and personalize the roles Master Data Governance for RFM perform the following actions:

8. On the SAP Easy Access screen, choose Tools > Administration > User Maintenance > Role Administration > Roles or alternatively, run t-code PFCG (Role Maintenance). Choose role /UGIRMP/RFM_MASS_MENU.
   This role ensures that the necessary steps can be started without using the SAP NetWeaver Portal. This can be used for testing or if the portal is inactive.
9. Verify the setting of the authorization objects within the roles and restrict them if required.
10. On the SAP Easy Access screen, choose Tools > Administration > User Maintenance > Users > Run t-code SU01 (User Maintenance) and assign the Master Data Governance for Material: Menu role (/UGIRMP/RFM_MASS_MENU) for application to the MDG user.

6.10. Choosing UI Theme to run SAP Master Data Governance

This section is not applicable for Mass change, since its theme will automatically exist based on RFM 9.2 installation.

6.11. GenIL (Generic Interaction Layer) Component Adjustments

This section describes how to create GenIL enhancement in customer(Y/Z) namespace and save. Use the following steps to create the GenIL enhancement and save:

1. Execute t-code GENIL_MODEL_BROWSER
2. Select the option “Enhancment”

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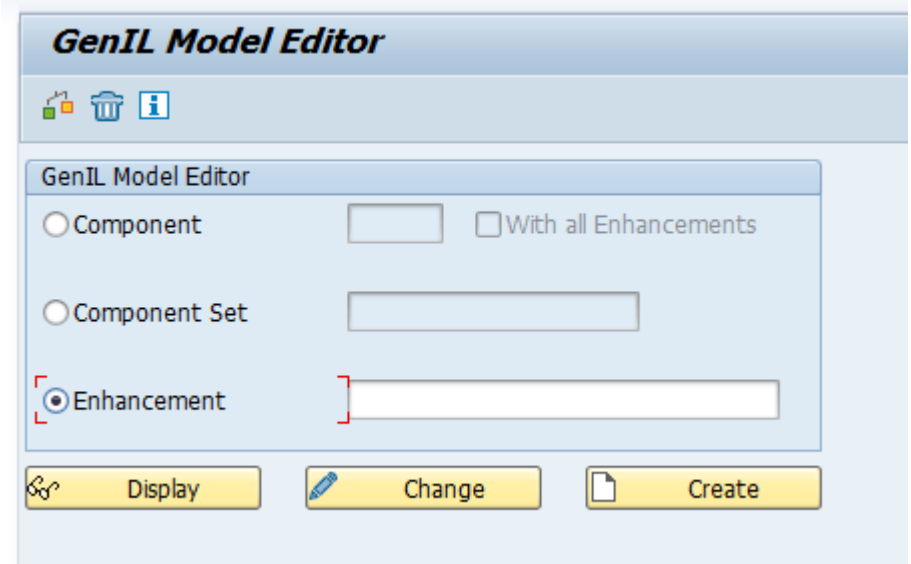
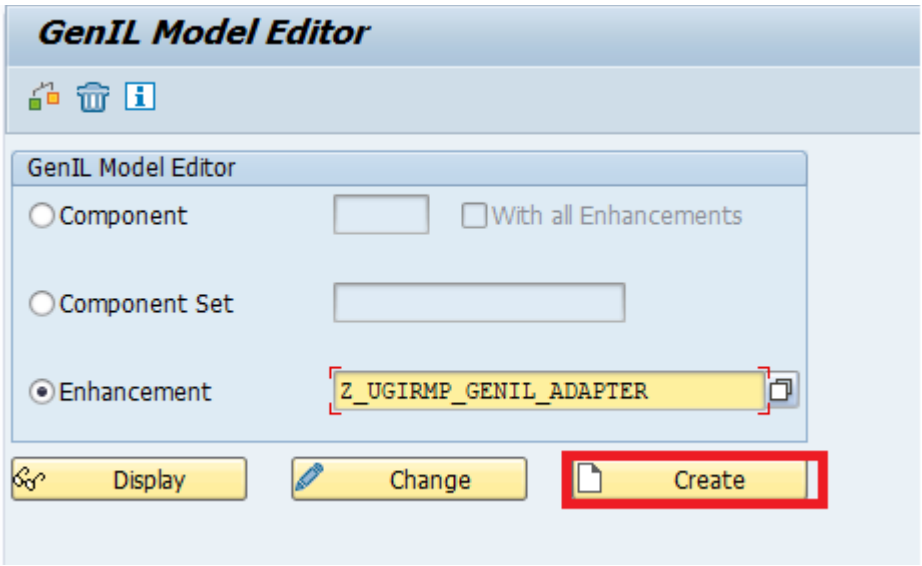
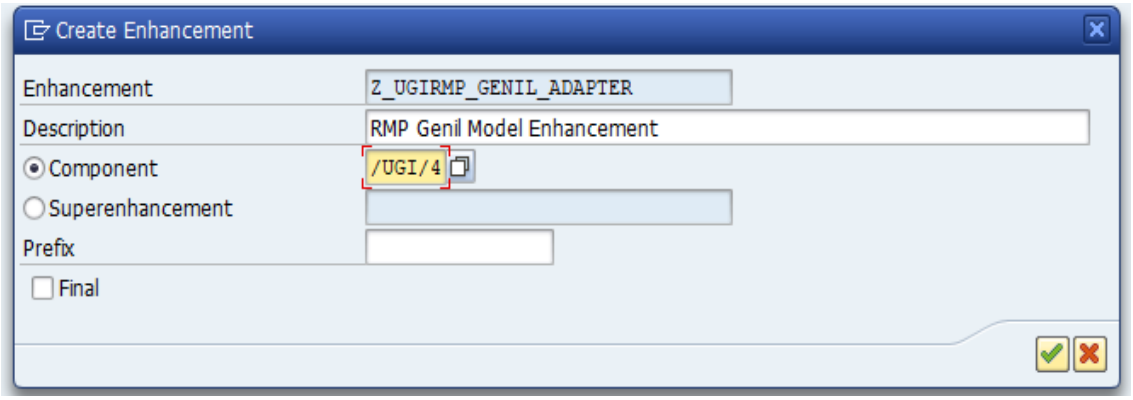


3. Enter the enhancement name starting with Z / Y and click on “Create” button



4. Enter the following details in the dialog window and Click on . Save it as local object. Click



   a. Description: RMP Genil Model Enhancement

   b. Component: /UGI/4

5. Click for below dialog.

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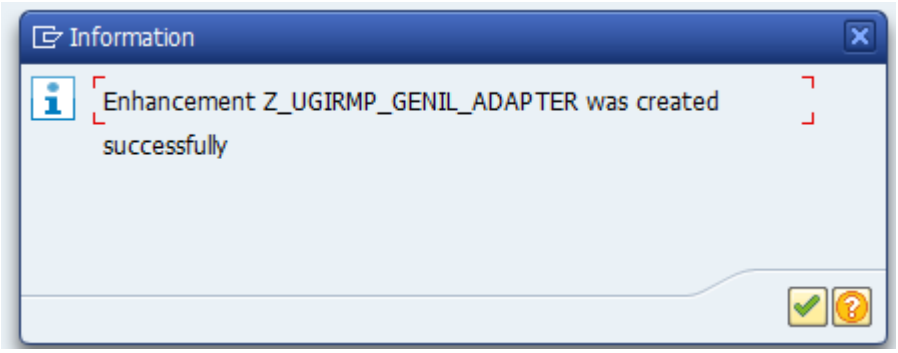
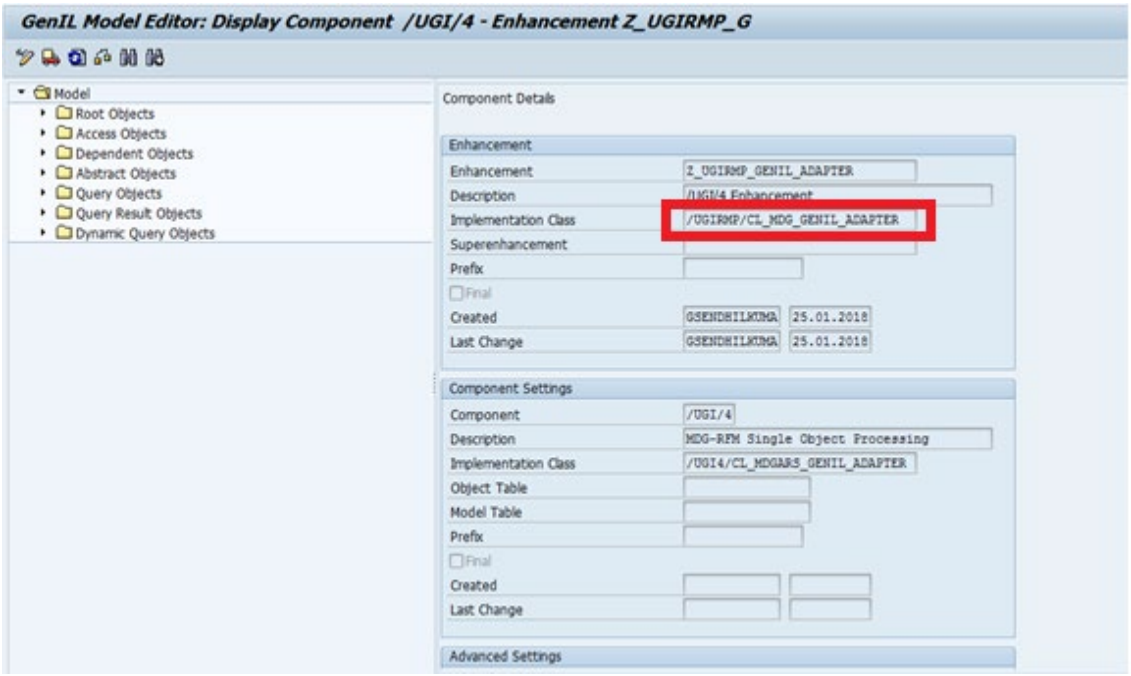


6. Enter the Implementation class under the Enhancement section as below: /UGIRMP/CL_MDG_GENIL_ADAPTER



7. Click on check and Save .

Note

In case, a Z Customer Enhancement of the /UGI/4 GenIL component exist, then a Super Enhancement needs to be created to the current Existing Z Enhancement with the same settings above.

/ugirmp/ enhancement needs to be a super enhancement of customer enhancement or vice versa.

6.12. Final Steps

SAP recommends regenerating the data model again after completing the setup steps to ensure clear code generation.