How-To Guide: Configure Conditional Workflow for RFM

Applies to

Prometheus Group Solutions for MDG RFM

Summary

This How-To Guide Conditional Workflow implementation for SAP MDG for Retail and Fashion Management, extension by Utopia using BAdI Definition USMD_SSW_DYNAMIC_AGENT_SELECT for flexible user determination.

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Created On: November 17, 2020

Version: 1.0

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Introduction

SAP MDG, Retail and Fashion Management extension for Retail Article by Utopia (MDG-RFM) provides business processes to find, create, change, and mark Article Master data for deletion. It supports the governance Article Master data in a central hub and the distribution to connected operational and business intelligence systems.

The processes are workflow-driven and can include several approval and revision phases, and the collaboration of all users participating in the master data maintenance.

MDG Article Master uses the rule-based workflow. The user agent decision table determines the agents.

This scenario addresses the customer requirement to implement Conditional WF by dynamic agent determination using BAdI Definition USMD_SSW_DYNAMIC_AGENT_SELECT.

Background Information

You can use this BAdI to implement dynamic agent selection in the rule-based workflow. Therefore, in addition to the predefined rules, you can change agent values in the workflow by creating your own programs with this BAdI. This BAdI uses the method GET_DYNAMIC_AGENTS.

The input for this BAdI is the change request number and the service name. By using the change request number, it is possible to access all data within this change request. The input parameter Service Name enables you to use the same BAdI implementation for multiple service names.

You can modify the UI with Context Based Adaptation (CBA) for the different Change Request Types and you can hide the UIBBs that are not to be shown.

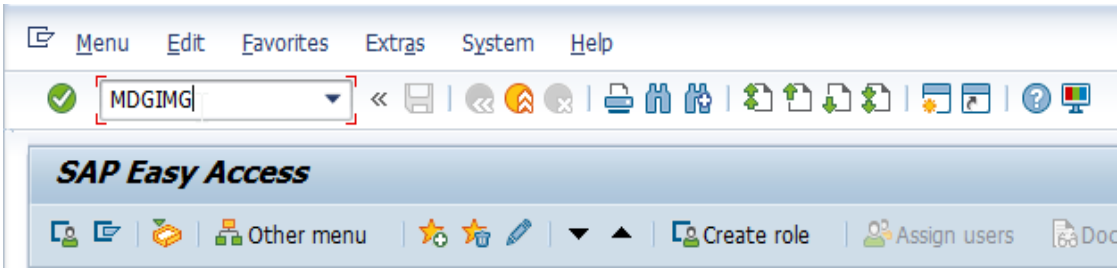
Article Master How to Guide for CBA is as follows:

UGI_RFM_HowToGuide_ExtendMDGUI

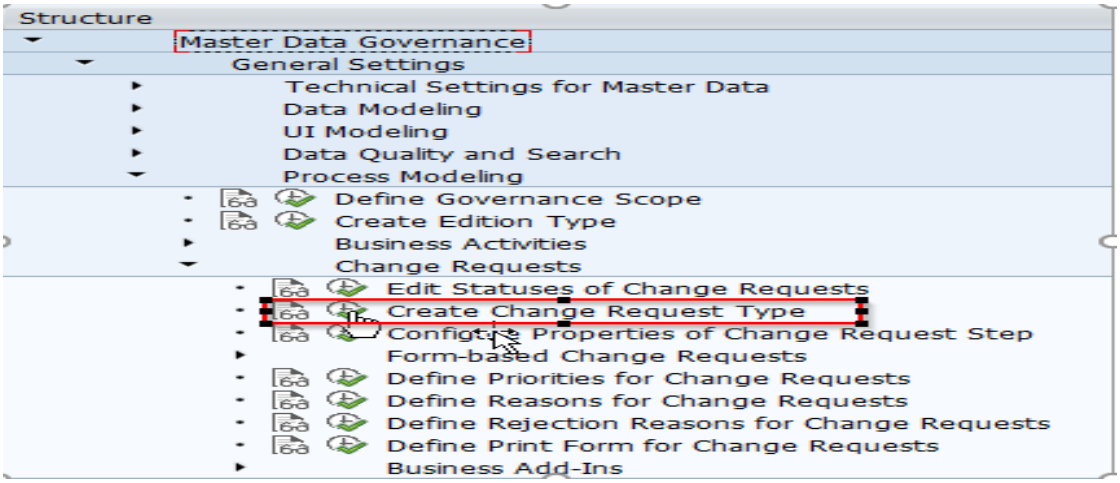
Steps to Create New CR type

Use the following steps to create a new CR type:

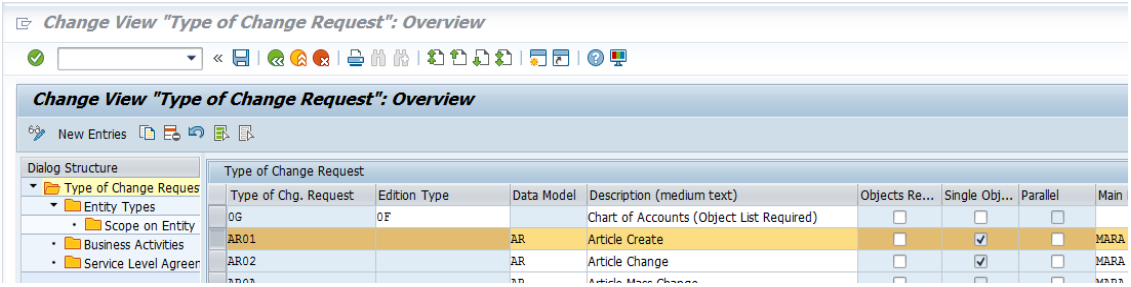
1. Run transaction ‘MDGIMG’.



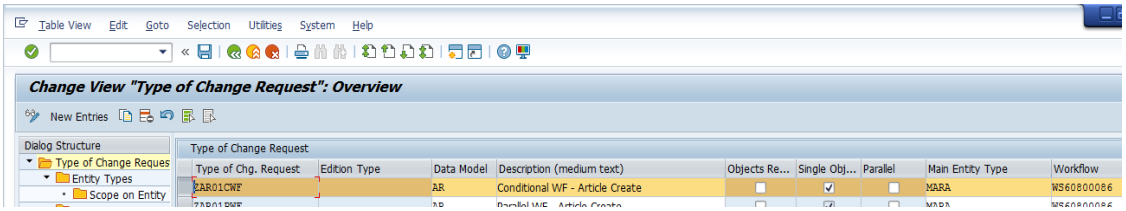
2. Execute ‘Create Change Request Type’ by accessing the menu path Master Data Governance > General Settings> Process Modeling> Change Requests> Create Change Request Type.



3. Select the Change Request type ‘AR01’ and copy to create Change Request type.



4. Enter ‘ZAR01CWF’ as the type of new Change Request and click Enter. Populate the Workflow field with WS60800086.

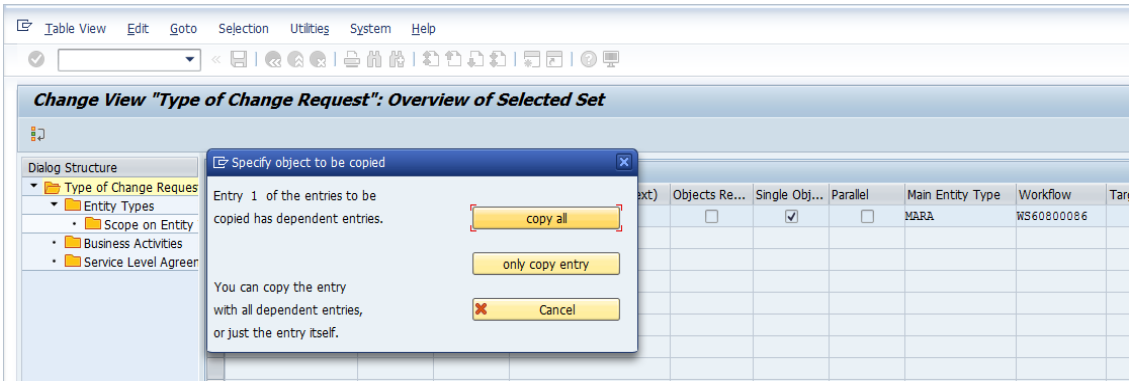


A pop-up window is displayed.

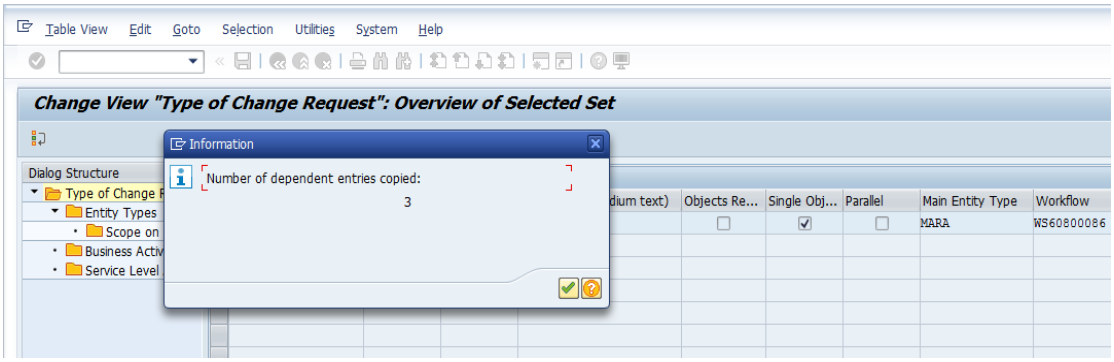
Note

Workflow template WS60800086 is assigned to the newly created change request type which is designed to work only with Business Rule Framework (BRF+) and handles Serial approval of technical objects within MOCR.

5. Select ‘copy all’ button in the pop-up window.



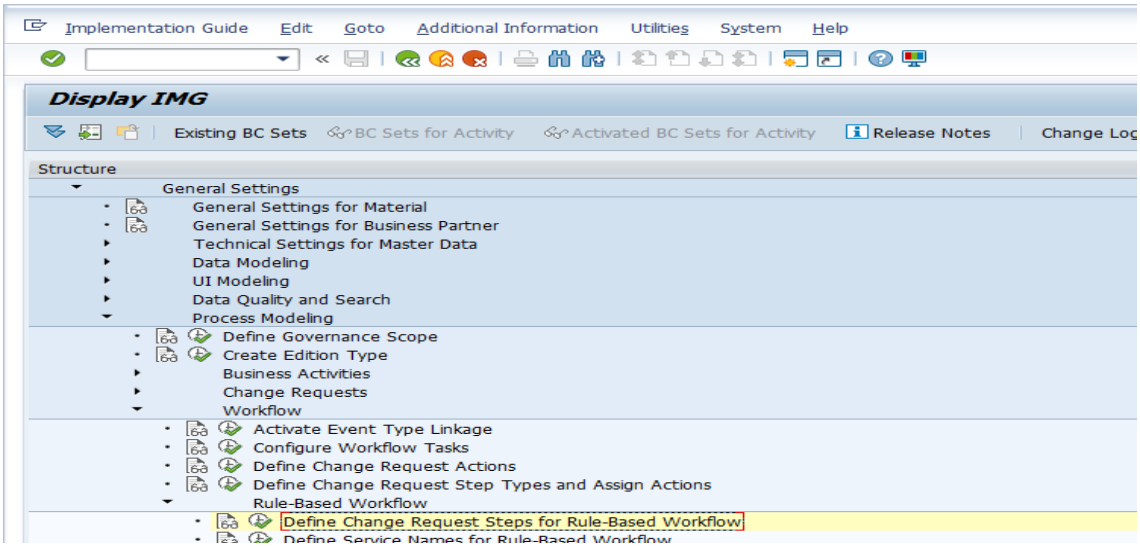
The following screen is displayed where the number of dependent entries copied are displayed.

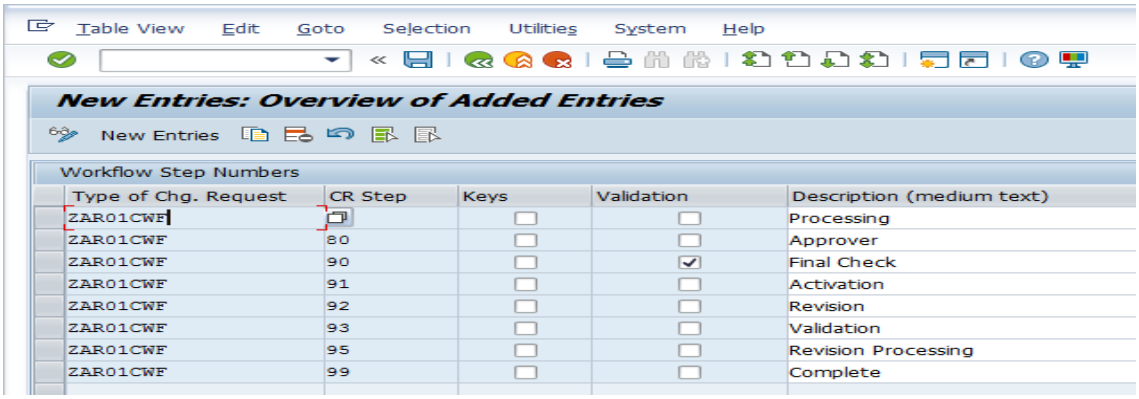


6. Select  to continue.
7. Enter the Customizing request and save the changes.

Define Change Request Steps for Rule-Based Workflow

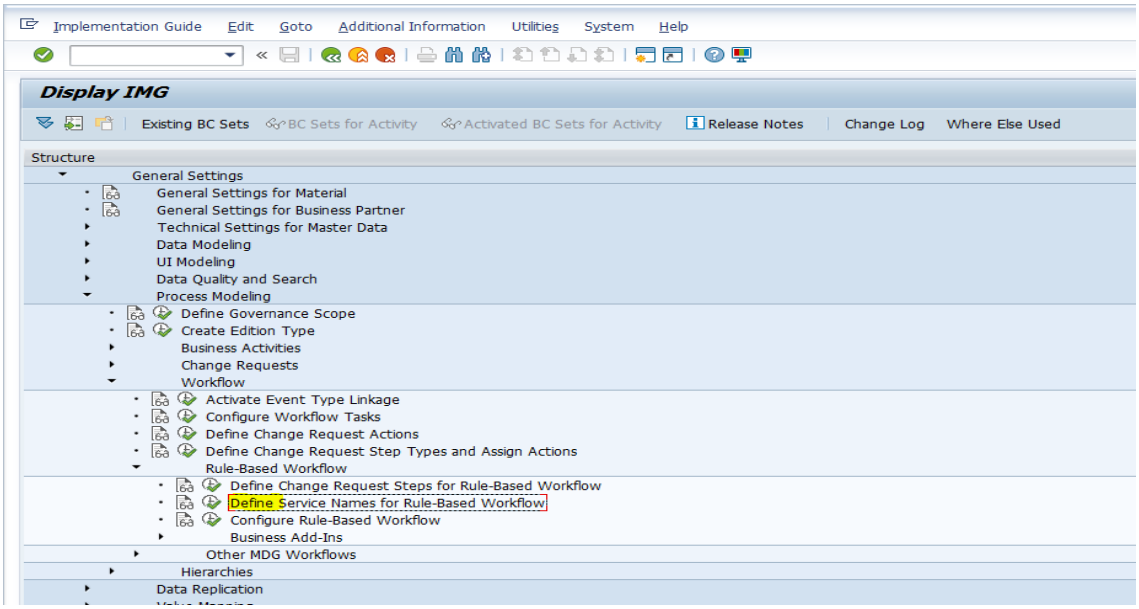
1. Go to “Define Change Request Steps for Rule-Based Workflow” and create the following steps.





Define Services

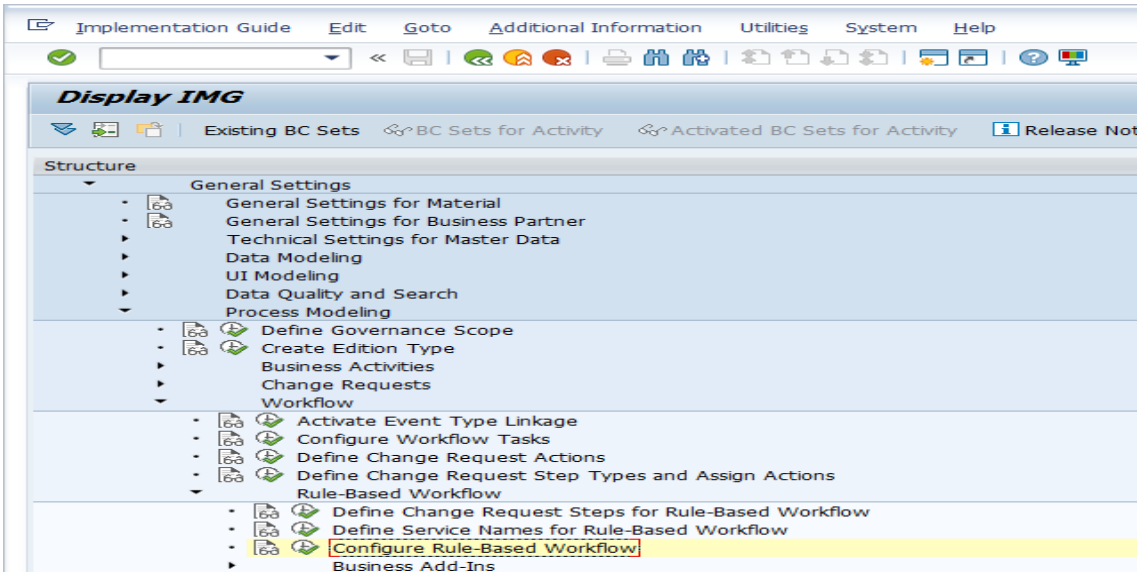
1. Define Service. (These are required during the implementation of the BAdIs).



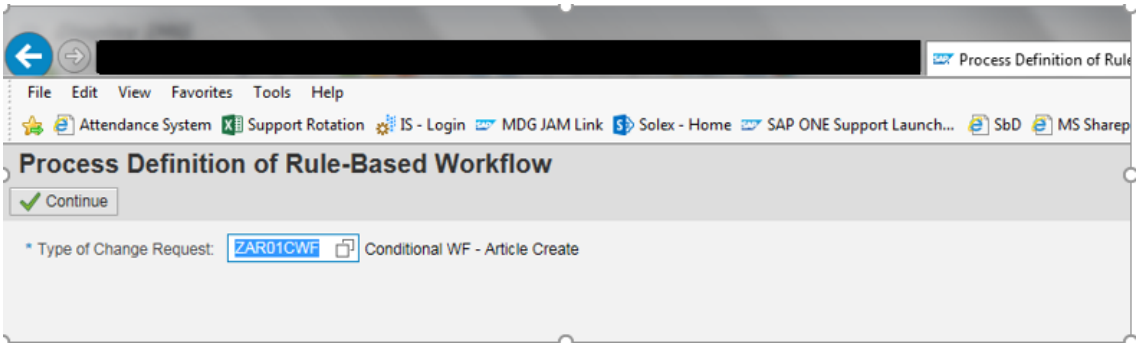
2. Define the following services.

Configure Rule-Based Workflow

1. In the MDGIMG, navigate to “Configure Rule-Based Workflow”.



The following screen is displayed:



2. Enter the newly created CR type and click Continue.
3. Fill the BRF+ decision table.

   You can directly import the excel files attached below.

   - **Single Value Decision Table**.

     DT_SINGLE_VAL_ZA R01CWF.xlsx

   - **User Agent Table**.

     DT_USER_AGT_GRP_ ZAR01CWF.xlsx

   Note

   The User agent type and User agent value can be set as per requirement. For example, Organization Unit position or a security role as the recipient has been used.

   SAP user IDs is used in this example.

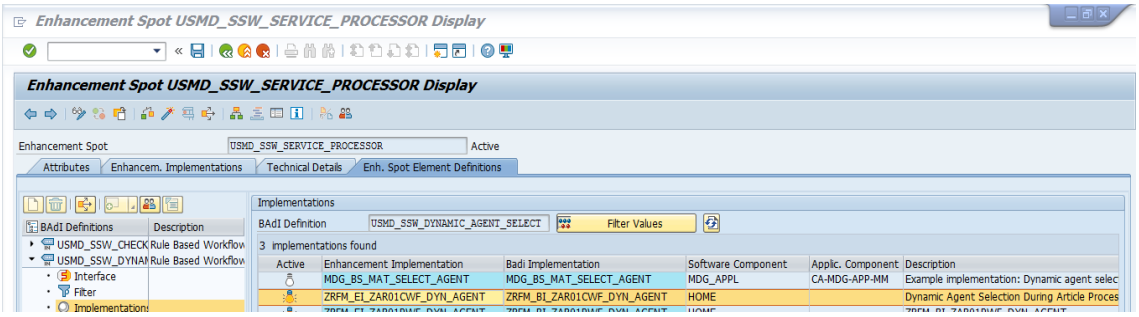
   - **Non-User Agent Table**.

     DT_NON_USER_AGT _GRP_ZAR01CWF.xls

Implementation of the BAdIs

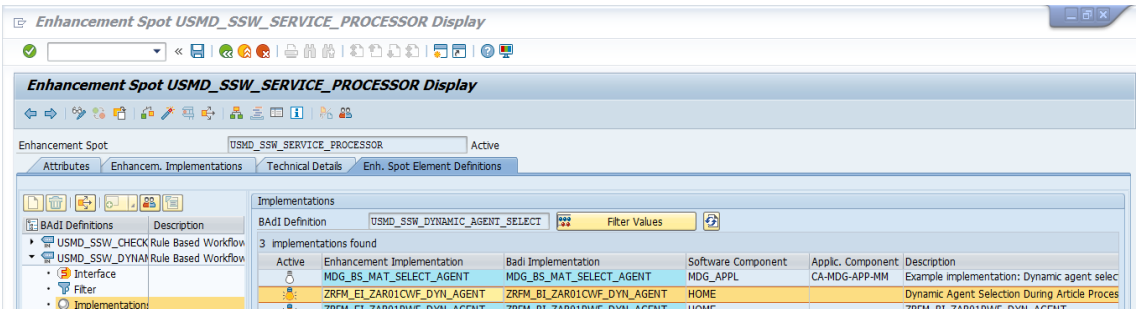
Use the following steps to implement BAdI:

1. Run t-code SE18 display enhancement Spot USMD_SSW_SERVICE_PROCESSOR.



2. Create Enhancement Implementation for USMD_SSW_DYNAMIC_AGENT_SELECT.

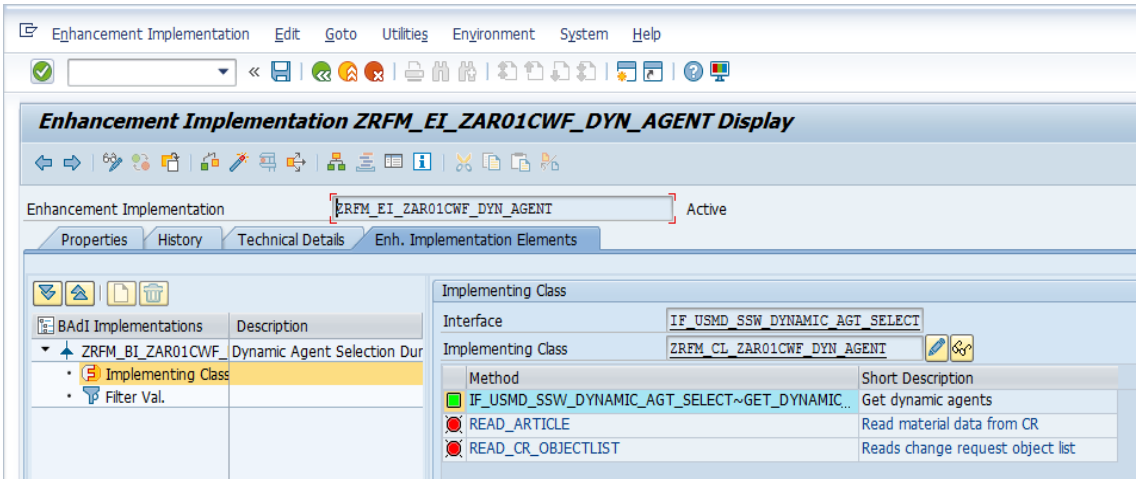
- Display: Select BAdI DEFINITION > USMD_SSW_DYNAMIC_AGENT_SELECT
- Right click on Implementation, and click on Create BADI Implementation
- Create Enhancement Implementation: ZRFM_EI_ZAR01CWF_DYN_AGENT

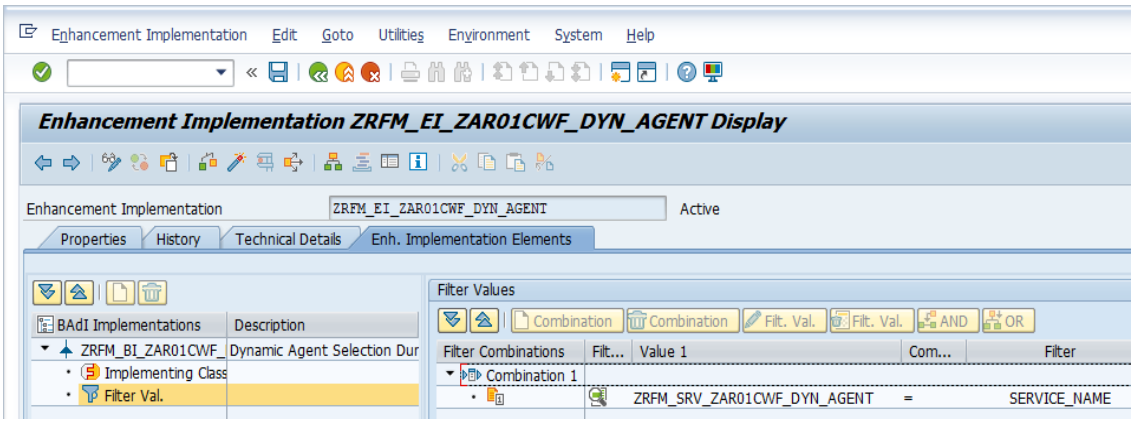


3. Create BAdI Implementation.

   BAdI Implementation: ZRFM_BI_ZAR01CWF_DYN_AGENT

   Implementing Class: ZRFM_CL_ZAR01CWF_DYN_AGENT





4. Save and activate.

   In the example, the agent values based on the Article Category us hard coded.

   The source code of the BAdI's Implementation class is attached for reference:

ZRFM_CL_ZAR01CWF_DYN_AGENT.txt

The CR no. is present as in importing parameter of the class method. You can determine the agents based on some CR attribute value or the entity attribute value.

For the interface method you can use and adapt the code from example enhancement implementation MDG_BS_MAT_SELECT_AGENT (Example implementation: Dynamic agent select). Implementing class is CL_MDG_BS_MAT_SELECT_AGENT that has interface method IF_USMD_SSW_DYNAMIC_AGT_SELECT~GET_DYNAMIC_AGENTS and private method READ_MATERIAL.