



*Perfect data is perfectly possible with Utopia.*

## Configuration Guide for EAM MDC MDQ Solutions by Utopia for S/4HANA

Release EAM 1909

## Document History

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

Version	Date	Description	Name
1.0.	02-12-2019	Initial Version	Pratiyush Abhishek, Karthik Rao

## Approval History

Version	Date	Description	Name
1.0.	02-12-2019	Initial Version	Lyle Snyder

## Table of Contents

1. Introduction .....	10
1.1. Purpose .....	10
1.2. Audience.....	10
2. MDC Fiori Configuration .....	10
2.1. Prerequisites/Before You Start .....	10
2.1.1. Business Function.....	10
2.1.2. Set Up Workflow .....	11
2.1.3. Configuration of bgRFC.....	12
2.1.4. Authorization Objects and Roles .....	15
2.1.5. Number Ranges.....	16
2.1.6. Prerequisite OSS Notes .....	16
2.1.7. System Landscape Requirements.....	16
2.1.8. Other Prerequisites .....	18
2.2. Configuration Process .....	18
2.2.1. Process Model .....	18
2.2.2. Activation of EAM MDC Models.....	19
2.2.3. Specify Adapters.....	19
2.2.4. Define Rules Using the Business Rule Framework plus (optional) .....	20
2.2.5. Configure Scope .....	26
2.2.6. Configure Standardization.....	26
2.2.7. Configure Parallelization for Update .....	26
2.2.8. Configure Matching .....	26
2.2.9. Configure Parallelization .....	27
2.2.10. Configure SAP HANA Fuzzy Matching .....	27
2.2.11. Create Match Configuration for Fuzzy Matching .....	28
2.2.12. Configure Best Record Calculation.....	29
2.2.13. Configure Validation.....	30
2.2.14. Configure Filter and Remove.....	31
2.2.15. Configure Activation .....	32
2.2.16. Configure Process Template.....	34
2.3. MDC UI Implementation .....	36
2.3.1. Required Back-end Product .....	36

2.3.2. Line of Business .....	36
2.3.3. Application Type .....	36
2.3.4. Database .....	36
2.3.5. Implementation Information.....	36
2.3.6. Configuring SAP MDC Fiori Applications for EAM.....	37
2.4. ODATA Configurations for MDC .....	38
2.4.1. Set System Alias.....	38
2.4.2. Activate ICF Nodes for OData Services.....	39
2.4.3. Assigning System Alias for OData Services.....	41
2.4.4. Activation of MDC SICF Services.....	42
2.5. Composite BC-Set for Default Configuration .....	42
3. MDQ Fiori Configuration .....	43
3.1. Prerequisites/Before You Start .....	43
3.1.1. Prerequisite OSS Notes .....	43
3.1.2. Prerequisite Services .....	44
3.1.3. Roles For MDQ.....	45
3.2. ODATA Configurations for MDQ.....	45
3.2.1. CDS Creations.....	45
3.2.2. SEGW Project's Class Generation .....	46
3.2.3. Activating Services in MAINT_SERVICE .....	48
3.2.4. SSB Application Activation .....	54
3.2.5. Data Quality Rules Usage in MDG Checks (Optional).....	55
3.3. BC-Set Activation for MDQ .....	56
Appendix 1: Application Details of MDC.....	56
Import Data for Consolidation - MBOM.....	57
Key Features.....	57
Technical Features .....	57
Product Features.....	58
Configuration Details .....	58
Technical Configuration .....	58
OData Services .....	59
Implementation Tasks.....	59
Manage Imports for Consolidation - MBOM.....	59
Key Features.....	59

Technical Features .....	60
Product Features .....	60
Configuration Details .....	60
Technical Configuration .....	60
OData Services .....	61
Implementation Tasks.....	61
Key Features.....	62
Technical Features .....	62
Product Features.....	62
Configuration Details .....	62
Technical Configuration .....	62
OData Services .....	63
Implementation Tasks.....	63
Manage Consolidation Process - MBOM .....	64
Key Features.....	64
Technical Features .....	64
Product Features.....	64
Configuration Details .....	65
Technical Configuration .....	65
OData Services .....	66
Implementation Tasks.....	66
Start Mass Processing - MBOM .....	66
Key Features.....	66
Technical Features .....	66
Product Features.....	67
Configuration Details .....	67
Technical Configuration .....	68
OData Services .....	68
Implementation Tasks.....	68
Manage Mass Processes - MBOM .....	69
Key Features.....	69
Technical Features .....	69
Product Features.....	69
Configuration Details .....	69

Technical Configuration .....	70
OData Services .....	70
Implementation Tasks.....	70
Export Master Data – Equipment.....	71
Key Features.....	71
Technical Features .....	71
Product Features.....	71
Technical Configuration .....	72
OData Services .....	72
Implementation Tasks.....	72
Track Mass Changes – MBOM.....	73
Key Features.....	73
Technical Features .....	73
Product Features.....	73
Configuration Details .....	74
Technical Configuration .....	74
OData Services .....	75
Implementation Tasks.....	75
Manage Source Data – MBOM.....	75
Key Features.....	75
Technical Features .....	75
Product Features.....	76
Configuration Details .....	76
Technical Configuration .....	76
OData Services .....	77
Implementation Tasks.....	77
Import Data for Consolidation - Equipment .....	77
Key Features.....	78
Technical Features .....	78
Product Features.....	78
Configuration Details .....	78
Technical Configuration .....	79
OData Services .....	79
Implementation Tasks.....	79

Manage Imports for Consolidation - Equipment .....	80
Key Features.....	80
Technical Features .....	80
Product Features.....	80
Configuration Details .....	81
Technical Configuration .....	81
OData Services .....	81
Implementation Tasks.....	82
Create Consolidation Process - Equipment .....	82
Key Features.....	82
Technical Features .....	82
Product Features.....	82
Configuration Details .....	83
Technical Configuration .....	83
OData Services .....	83
Implementation Tasks:.....	84
Manage Consolidation Process - Equipment .....	84
Key Features.....	84
Technical Features .....	84
Product Features.....	84
Configuration Details .....	85
Technical Configuration .....	86
OData Services .....	86
Implementation Tasks.....	86
Start Mass Processing - Equipment.....	87
Key Features.....	87
Technical Features .....	87
Product Features.....	87
Configuration Details .....	88
Technical Configuration .....	88
OData Services .....	89
Implementation Tasks.....	89
Manage Mass Processes - Equipment .....	89
Key Features.....	89

Technical Features .....	90
Product Features .....	90
Configuration Details .....	90
Technical Configuration .....	90
OData Services .....	91
Implementation Tasks.....	91
Import Data for Consolidation - Functional Location.....	91
Key Features.....	92
Technical Features .....	92
Product Features .....	92
Configuration Details .....	92
Technical Configuration .....	93
OData Services .....	93
Implementation Tasks.....	93
Manage Imports for Consolidation - Functional Location.....	94
Key Features.....	94
Technical Features .....	94
Product Features .....	94
Configuration Details .....	95
Technical Configuration .....	95
OData Services .....	96
Implementation Tasks.....	96
Create Consolidation Process - Functional Location .....	96
Key Features.....	96
Technical Feature.....	96
Product Features.....	97
Configuration Details .....	97
Technical Configuration .....	97
OData Services .....	98
Implementation Tasks.....	98
Manage Consolidation Process - Functional Location.....	98
Key Features.....	98
Technical Features .....	98
Product Features: .....	99



Configuration Details .....	99
Technical Configuration .....	100
OData Services .....	100
Implementation Tasks.....	100
Start Mass Processing - Functional Location .....	101
Key Features.....	101
Technical Features .....	101
Product Features.....	101
Configuration Details .....	102
Technical Configuration .....	102
OData Services .....	103
Implementation Tasks.....	103
Manage Mass Processes – Functional Location .....	103
Key Features.....	103
Technical Features .....	103
Product Features.....	104
Configuration Details .....	104
Technical Configuration .....	104
OData Services .....	105
Implementation Tasks.....	105
MDC Fiori App Launchpad .....	105
Additional Steps.....	106
Front-end Server and Back-end Server.....	106
Implementing Master Data Consolidation and Mass Processing Apps for EAM Objects .....	106
Appendix 2: Glossary and Abbreviations for MDC.....	107

# 1. Introduction

This document provides the information you require to set up Master Data Consolidation and Mass Processing (MDC) for EAM Solutions by Utopia for S/4HANA. It also covers the requirements and the tasks necessary to implement Fiori App (application) on MDC 1909 Solutions for EAM by Utopia.

## 1.1. Purpose

The Configuration Guide provides the information you require to set up Master Data Consolidation and Mass Processing for EAM 1909 Solutions by Utopia for S/4HANA.

The implementation guide describes the required backend of SAP Master Data Governance, Line of Business, Asset Management, Finance, Manufacturing, Marketing/Engineering, Sales, Service, Sourcing and Procurement, Supply Chain, Application Type, Transactional (Fiori UI5) Database, and any additional required database.

## 1.2. Audience

The target audience for this document is anyone involved in configuring Master Data Consolidation and Mass Processing and installing, configuring, and implementing SAP Fiori App on MDC Solutions for EAM by Utopia.

The primary audience comprises of the following:

- System administrators responsible for installing and configuring SAP Fiori App on MDC Solutions for EAM by Utopia.
- MDC Solutions for EAM by Utopia Users.

# 2. MDC Fiori Configuration

## 2.1. Prerequisites/Before You Start

### Note

Refer EAM 1909 Configuration Guide for S/4HANA as a prerequisite for enabling MDG for Equipment, Functional Location and Material BOM for the Change Request scenario in MDC.

Before you start using MDC for EAM, make sure that the following prerequisites are fulfilled.

- Business Function
- Set Up Workflow
- Configuration of bgRFC
- Authorization Objects and Roles
- Number Ranges
- Prerequisite OSS Notes
- Composite BC-Set for Default Configuration

### 2.1.1. Business Function

Use the transaction Code (t-code): SFW5 to activate the following business function:

- MDG-CO, Consol. + Mass Pro. 9.0 (MDG\_CONSOLIDATION\_CUSTOBJ\_2)

### Note

The following switches get activated upon successful activation of the above business function.

- MDC\_CUSTOBJ\_SWITCH\_2 (MDG Consolidation Custom Obj. 9)
- MDC\_FND\_SWITCH (MDG Consolidation 8)
- MDC\_FND\_SWITCH\_2 (MDG Consolidation 9)
- MDG\_MDC\_SWITCH (MDG Consolidation)

The table properties are delivered along with the BC-Sets. This can be changed if required.

### 2.1.2. Set Up Workflow

Use the following mandatory steps while maintaining settings:

- When configuring the RFC destination, you need superuser authorization 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.
- For the Check Entries from HR Control Tables section, you may need to execute report RHSOBJCH in t-code SE38 and keep the default settings.

#### Note

Select all the table entries and click “Adjust” button.

The standard workflow template WS54500001 can be used for Master Data Consolidation and Mass Processing.

Run transaction code (t-code) SWE2 and ensure that the type linkage setting for Object category BO and Object Type BUS2240 has the following settings:

- Event as "Started"
- Receiver Type as "blank "
- Receiver Call as "Function Module"
- Receiver Function Module as "SWW\_WI\_CREATE\_VIA\_EVENT\_IBF"
- Receiver Type Function Module as "MDC\_RECEIVER\_TYPE\_GET"
- Linkage Activated as "Yes"
- Enable event queue as "No"
- Event delivery as "Using tRFC(Default)".
- Behavior Upon Error Feedback "3 – Do not change linkage"

**Change View "Event Type Linkages": Details**

New Entries

Object Category	BO BOR Object Type
Object Type	BUS2240
Event	STARTED
Receiver Type	

Linkage Setting (Event Receiver)	
Receiver Call	Function Module
Receiver Function Module	SWW_WI_CREATE_VIA_EVENT_IBF
Check Function Module	
Receiver Type Function Module	MDC_RECEIVER_TYPE_GET
Destination of Receiver	
Event delivery	Using tRFC (Default)
<input checked="" type="checkbox"/> Linkage Activated <input type="checkbox"/> Enable Event Queue	
Behavior Upon Error Feedback	3 Do not change linkage
Receiver Status	0 No errors

### **i** Note

The Linkage Activated indicator must not be active for other receiver types of the object type BUS2240 and the event STARTED.

## 2.1.3. Configuration of bgRFC


Use the following steps to configure bgRFC

1. Run transaction SGBRFCCONF and make sure that the following settings are maintained.

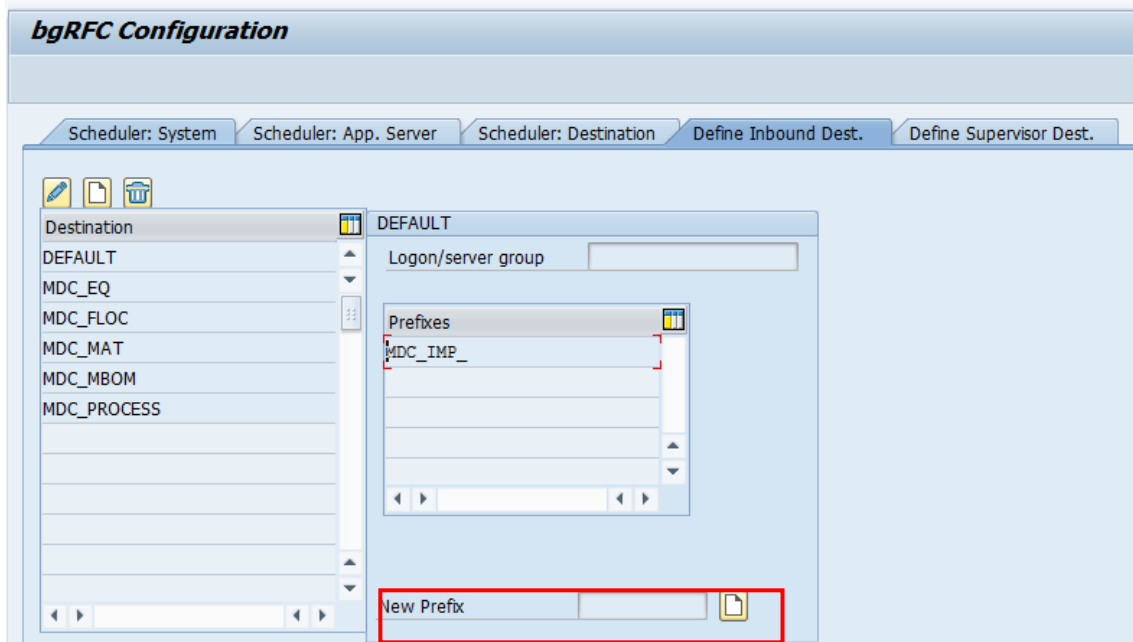
### **i** Note

To create the bgRFC inbound destination manually, the authorization object S\_BGRFC with activity 02 and type 07 must be assigned.

2. Navigate to the "Define Inbound Dest" tab.
3. Click on "Create" button.
4. Maintain the following entries under the "Destination" tab.
  - DEFAULT
  - MDC\_EQ
  - MDC\_FLOC
  - MDC\_MBOM
  - MDC\_PROCESS

5. Double click on the Destination name and provide the value against the field “New Prefix” and click on “Create” button to maintain the following prefixes corresponding to the inbound destination defined. Click on Save (  ) button once the following entries are maintained.


- DEFAULT
  - MDC\_IMP\_
- MDC\_EQ
  - MDC\_EQ\_ACT\_Q\_
  - MDC\_EQ\_MAT\_Q\_
  - MDC\_EQ\_VAL\_Q\_
  - MDC\_QUEUE\_EQ\_
- MDC\_FLOC
  - MDC\_FL\_ACT\_Q\_
  - MDC\_FL\_MTC\_Q\_
  - MDC\_FL\_VAL\_Q\_
  - MDC\_QUEUE\_FL\_
- MDC\_MBOM
  - MDC\_MBOM\_ACT\_Q\_
  - MDC\_MBOM EDI\_Q\_
  - MDC\_MBOM\_UPD\_Q\_
  - MDC\_MBOM\_VAL\_Q\_
- MDC\_PROCESS
  - MDC\_QUEUE\_

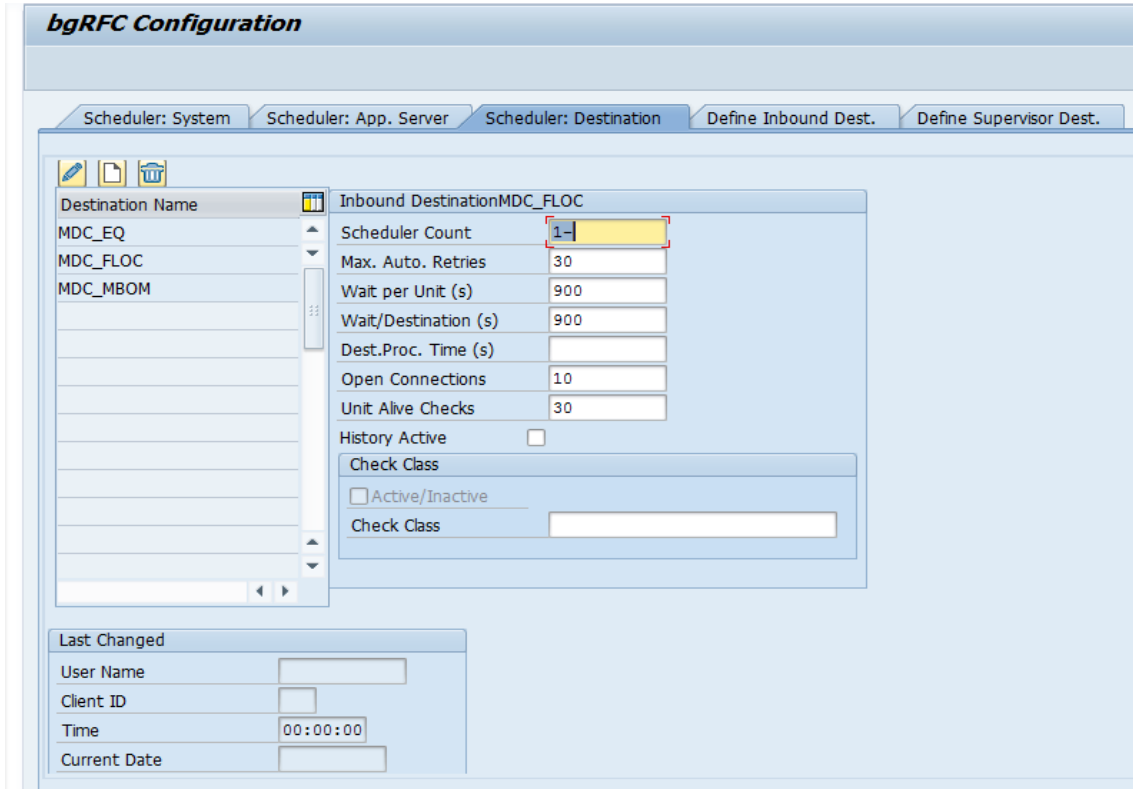


6. Under the tab “Scheduler: Destination”, make sure that the following destination names exist. If not, you can create manually by clicking on “Create” button. A popup appears with a message “For which type of destination do you want to create a configuration entry?” Choose “Inbound” and populate the destination as mentioned below. Click on “SAVE” button on the popup.

- MDC\_EQ
- MDC\_FLOC
- MDC\_MBOM

**i** Note

Other fields in the “Define Inbound Dest”, take the defaulted values. Make sure you click on “Save (  )” button before navigating to other tab to avoid data loss.

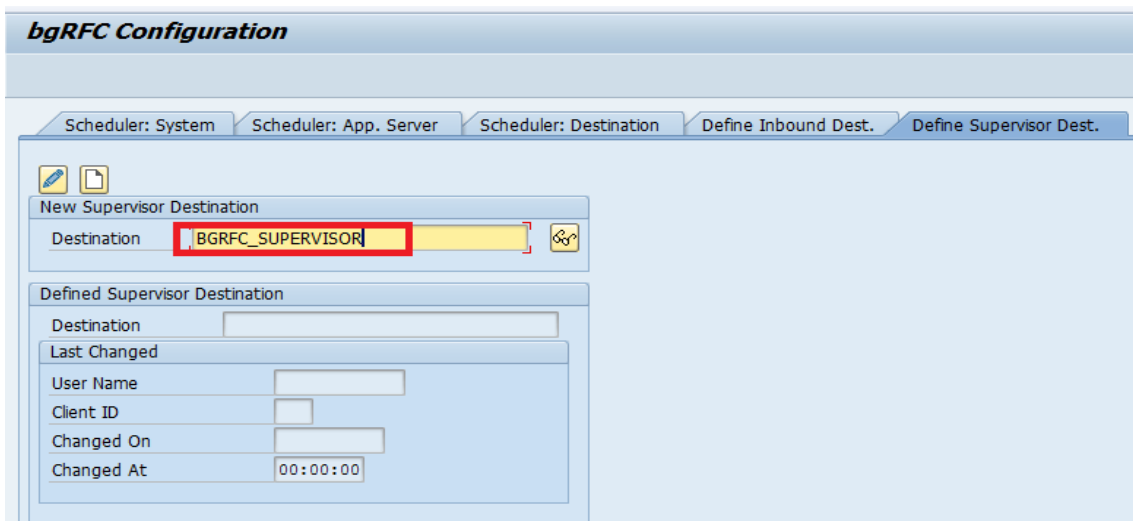


The screenshot shows the "bgRFC Configuration" window with the "Define Inbound Dest." tab selected. The "Destination Name" list on the left includes MDC\_EQ, MDC\_FLOC, and MDC\_MBOM. The "Inbound Destination" details for MDC\_FLOC are as follows:

Scheduler Count	1
Max. Auto. Retries	30
Wait per Unit (s)	900
Wait/Destination (s)	900
Dest.Proc. Time (s)	
Open Connections	10
Unit Alive Checks	30
History Active	<input type="checkbox"/>
Check Class	
Active/Inactive	<input type="checkbox"/>
Check Class	

At the bottom, the "Last Changed" section shows fields for User Name, Client ID, Time (00:00:00), and Current Date.

7. Provide Destination as “BGRFC\_SUPERVISOR” in the “Define Supervisor Dest” tab and click Enter.
8. Click on “Save” button.



The screenshot shows the "bgRFC Configuration" window with the "Define Supervisor Dest." tab selected. The "New Supervisor Destination" section has the "Destination" field set to "BGRFC\_SUPERVISOR". Below it, the "Defined Supervisor Destination" section shows fields for Destination, Last Changed, User Name, Client ID, Changed On, and Changed At (00:00:00).

**i** Note

In case, it says the BGRFC\_SUPERVISOR does not exist or invalid, Run t-code SM59. Check if the RFC Destination “BGRFC\_SUPERVISOR” of type 3 (ABAP connection) is there, if not

create the same. Under the “Logon and Security tab”, maintain the Background RFC User: “BGRFC\_SUSR” and set the password.

9. Click on “Save” button to save the entries.

## 2.1.4. Authorization Objects and Roles

To view the imports, manage Consolidation and mass processing, the following roles should be assigned.

- /UGI/\_MDC\_DISP\_EAM\_APP\_920
- /UGI/\_MDC\_SPEC\_EAM\_APP\_920











The roles have the following authorization objects:

- MDC\_ADMIN (Administrative Permissions)
- MDC\_MASS (Mass Processing Permissions)
- MD\_PFILT (Consolidation Cluster Permissions)
- MDC\_PROOT (Consolidation Root Permissions)

### Note

Make sure that the MDC\_OBTYP field for the above authorization object has the 183, 185 and 237 assigned values.

The following screen displays the authorizations maintained as a part of the above roles.

Display Role: Authorizations				
 Organizational levels...  Trace  Information            Versions				
<b>Role</b> /UGI/_MDC_DISP_EAM_APP_920 <b>Maint.</b> 0 unmain. org. levels, 1 open fields <b>Status:</b> Unchanged				
 Status  Edit     Search  Values				
Group/Object/Authorization/Field	Maintena...	Value	Text	
Object class AAAB	Standard		Cross-application Authorization Objects	
Object class MDC	Manually		MDG, Consolidation	
Authorization Object MDC_ADMIN	Manually		Administrative permissions	
Authorization. MDCEAMDISP00	Manually		Administrative permissions	
MDC_OBTYP	Manually	183, 185, 237	Business Object Type	
ACTVT	Manually		Activity	
Authorization Object MDC_MASS	Manually		Mass Processing Permissions	
Authorization. MDCEAMDISP00	Manually		Mass Processing Permissions	
MDC_OBTYP	Manually	183, 185, 237	Business Object Type	
ACTVT	Manually	Display	Activity	
Authorization Object MDC_PFILT	Manually		Consolidation Cluster Permissions	
Authorization. MDCEAMDISP00	Manually		Consolidation Cluster Permissions	
MDC_OBTYP	Manually	183, 185, 237	Business Object Type	
MDC_FILTER	Manually	*	Master Data Change Process Source Filter	
Authorization Object MDC_PROOT	Manually		Consolidation Root Permissions	
Authorization. MDCEAMDISP00	Manually		Consolidation Root Permissions	
MDC_OBTYP	Manually	183, 185, 237	Business Object Type	
ACTVT	Manually	Display	Activity	

### Note

Fiori roles can be found in the Fiori guide.

Ensure that the following roles are assigned to view, review and approve the MDG Change Requests.

- With LAM:
  - /UGI/\_MDGEAM\_REQ\_LAM
  - /UGI/\_MDGEAM\_SPEC\_LAM
  - /UGI/\_MDGEAM\_STEW\_LAM
- Non-LAM:
  - /UGI/\_MDGEAM\_REQ

- /UGI/\_MDGEAM\_SPEC
- /UGI/\_MDGEAM\_STEW

### 2.1.5. Number Ranges

Run t-code SNRO and review the number range of the objects Equipment Master (/UGI/MDGEQ), Functional Location Master (/UGI/MDGFL), Material BOM (STUEM) and Material Master (MATERIALNR).

### 2.1.6. Prerequisite OSS Notes

Below Notes are applicable for 1809 and 1909 release:

Note	Description
2844972	After uploading a file for consolidation, the button for process creation r

Below Notes are applicable for 1909 release:

Note	Description
2833872	Error 'Model " version '0000' not found' displayed.
2836945	Improve extensibility in track mass changes.
2834340	Comparison result list in consolidation remains empty and free-text search
2835934	Fixed user input issue for certain languages and an extensibility issue in

### 2.1.7. System Landscape Requirements

Before you implement the SAP Fiori App on MDC Solutions for EAM by Utopia, ensure that your environment meets the following system requirements

Your system landscape is enabled for SAP Fiori. The system landscape must to be set up for SAP Fiori depending on the database type serving as the basis while meeting respective prerequisites:

Database	SAP Fiori System Landscape Setup	Prerequisites
ABAP environment	<a href="#">Setup of SAP Fiori System Landscape for SAP Business Suite with ABAP Environment</a>	<a href="#">Installation Requirements (Transactional Apps)</a>  <a href="#">Activating SAP Gateway OData Services</a>
HANA database	<a href="#">Setup of SAP Fiori System Landscape for SAP Business Suite with SAP HANA Database</a>	<a href="#">Installation Requirements (Fact Sheets)</a>

The SAP product version in the back-end system serving as the basis for the app must be the following:

- Required back-product (Product version stack): S/4HANA 1809 MDC for EAM 920.

Each SAP Fiori app consists of Front-end components and Back-end components:

- Front-end components  
The Fiori app front-end comprises the user interfaces and content required for launching the app on the SAP Fiori Launchpad.  
**Note:** The components, as mentioned in the table, must be installed in the front-end server.
- Back-end components



The Fiori app Backend mainly comprises the OData services required for the app.

**Note:** The components as mentioned in the table must be installed in the back-end system.

**i** Note

The front-end and back-end components of the app are delivered with the following SAP product versions as part of the listed software components.

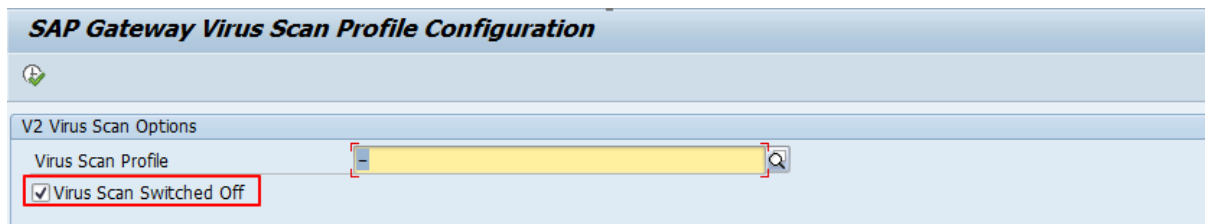
The required software components for the app are contained in the listed product instances:

App Component	Required SAP Product Version (Support Package Stack)	Available Instances Containing Software Component	Software Component Required for App (Support Package)
<b>Front-end components</b>	UI for Utopia MDC for EAM 1909	<ul style="list-style-type: none"> <li>UI for MDG S4CORE 103</li> </ul>	<ul style="list-style-type: none"> <li>UGIEAMUI – Utopia MDC Fiori UI</li> </ul>
<b>Back-end components</b>	SAP Master Data Governance 1909	<ul style="list-style-type: none"> <li>MDG UI Ext. on S4CORE 103</li> <li>Master Data Governance</li> <li>MDG UI Ext. on S4CORE 103</li> </ul>	<ul style="list-style-type: none"> <li>UGI - Utopia MDC for EAM Fiori Integration Addon</li> </ul>

You can upload the documents through MDC for EAM 1909 Fiori App. For the security reasons, SAP recommends installing the appropriate virus scanner in the respective Back-end system and define sufficiently restrictive scan profiles to prevent the upload of malicious content. For more information about virus scanning and scan profiles for SAP Fiori apps, refer to [Virus Scanning](#).

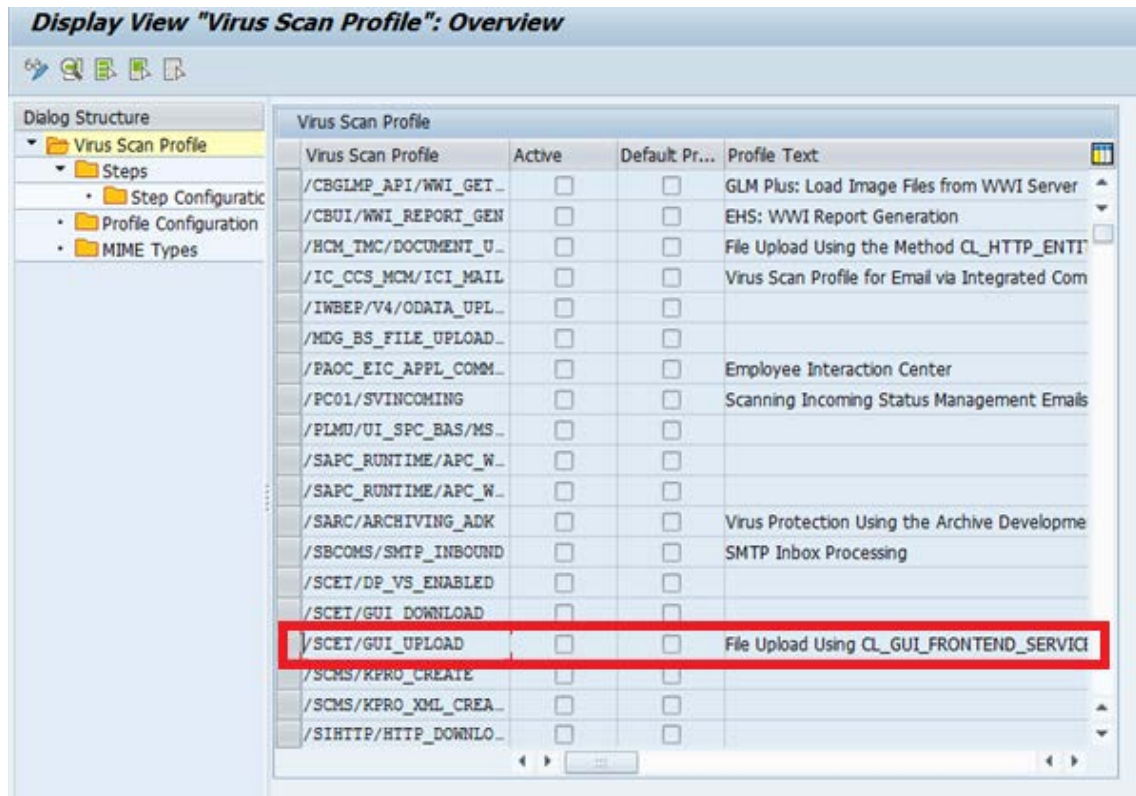
**i** Note

Virus Scanning can be switched off by using t-code /IWFND/VIRUS\_SCAN.



**i** Note

1. Standard Roles are assigned for Fiori
  - a. SAP\_UI2\_ADMIN\_750
  - b. SAP\_UI2\_FIORI\_CATALOGS\_READ
  - c. SAP\_UI2\_NEWS\_TILE
  - d. SAP\_UI2\_PAGEBUILDER\_CONFIG
  - e. SAP\_UI2\_PAGEBUILDER\_CUST
  - f. SAP\_UI2\_PAGEBUILDER\_PERS
  - g. SAP\_UI2\_USER\_700
  - h. SAP\_UI2\_USER\_750
2. Virus Scan Profile - /SCET/GUI\_UPLOAD must be disabled in t-code: VSCANPROFILE



3. Validate HTTPS Protocol with 443XX as Service Name/Port is active via t-code SMICM → go to → services (XX – Application server instance number)

ICM Monitor - Service Display

No.	Protocol	Service Name/Port	Host Name	Keep Alive	Proc.Timeo	Actv	External Bind	Address bound	ACL File
1	HTTP	8000	ulabhd3.utopiainc.c	1,800	1,800	✓			
2	HTTPS	44300	ulabhd3.utopiainc.c	1,800	1,800	✓			
3	SMTP	25000	ulabhd3.utopiainc.c	1,800	1,800	✓			

## 2.1.8. Other Prerequisites

- MDG\_CONSOLIDATION\_CUSTOBJ\_2 for foundation business function is activated.
- Below switches are activated.
  - MDC\_CUSTOBJ\_SWITCH\_2
  - MDC\_FND\_SWITCH
  - MDC\_FND\_SWITCH\_2
  - MDG\_MDC\_SWITCH
- /UGI/ Add-On Components are installed for MDC.
- System Alias and Activate OData Services are assigned.

## 2.2. Configuration Process

### 2.2.1. Process Model

Run transaction code SCPR20 and Activate ( ) BC-Set /UGI/MDC\_EAM\_PROC\_MODEL\_920 in Expert Mode followed by BC-Set /UGI/MDC\_EAM\_PROC\_MODEL\_1909 in expert mode.

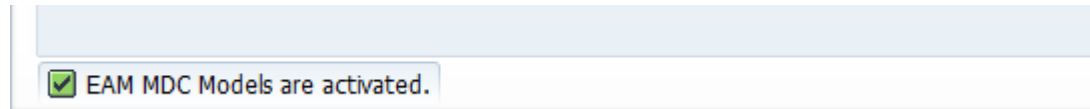
The following business objects are added along with the tables.

- 237
- 183
- 185

### 2.2.2. Activation of EAM MDC Models

Run transaction code SE38 and Execute Report “/UGI/MDC\_MODEL\_ACTIVATE”.



We will get the below success message: “EAM MDC Models are activated.”



### 2.2.3. Specify Adapters

Adapters are the classes provided to support the functionalities related to consolidation and mass processing such as Validation, Activation, Matching, Best record calculation, Update, Edit, Standardization, Replication, etc. These are required to set up the process template defining the flow of a process id.

To activate the adapters provided for the business object 237 (Material BOM), Equipment Master (183) and Functional Locations (185), follow the below steps.

- Run t-code SCPR20 and activate (  ) BC-Set /UGI/MDC\_EAM\_ADAPTERS\_920 followed by activate (  ) BC-Set /UGI/MDC\_EAM\_ADAPTERS\_1909 for EAM 1909 release only.
- Run t-code MDCIMG. Navigate through the IMG path: Master Data Governance, Consolidation and Mass Processing> Specify Adapters.
- Ensure that the below entries are getting added upon successful activation of BC-Set(/UGI/MDC\_EAM\_ADAPTERS\_920 and /UGI/MDC\_EAM\_ADAPTERS\_1909 ).

Business Object Type	Process Step Type	Process Step Adapter	Adapter Description
183	ACT	/UGI/CL_MDC_ADAPTER_EQ_ACT	Activation for EQ
183	BRC	/UGI/CL_MDC_ADAPTER_EQ_BRC	Equipment Best Record Calculation
183	EDI	CL_MDC_ADAPTER_EDI	Interactive Mass Processing
183	FAR	CL_MDC_ADAPTER_FAR	Filter and Remove
183	MTC	/UGI/CL_MDC_ADAPTER_EAM_MTC	EAM Hana Matching
183	MTC	CL_MDC_ADAPTER_FUZZY_MTC	SAP HANA fuzzy search
183	MTC	CL_MDC_ADAPTER_MTC	New SAP HANA fuzzy search
183	STD	/UGI/CL_MDC_ADAPTER_EQ_VALMAP	Evaluate value mapping for EQ
183	STD	/UGI/CL_MDC_ADAPT_EQ_KEYMAP	Evaluate Key Mapping for EQ
183	STD	CL_MDC_ADAPTER_BRF_STD	BRFplus
183	VAL	/UGI/CL_MDC_ADAPTER_EQ_VAL	EQ Validations (Business Suite)
185	ACT	/UGI/CL_MDC_ADAPTER_FL_ACT	Activation for FL

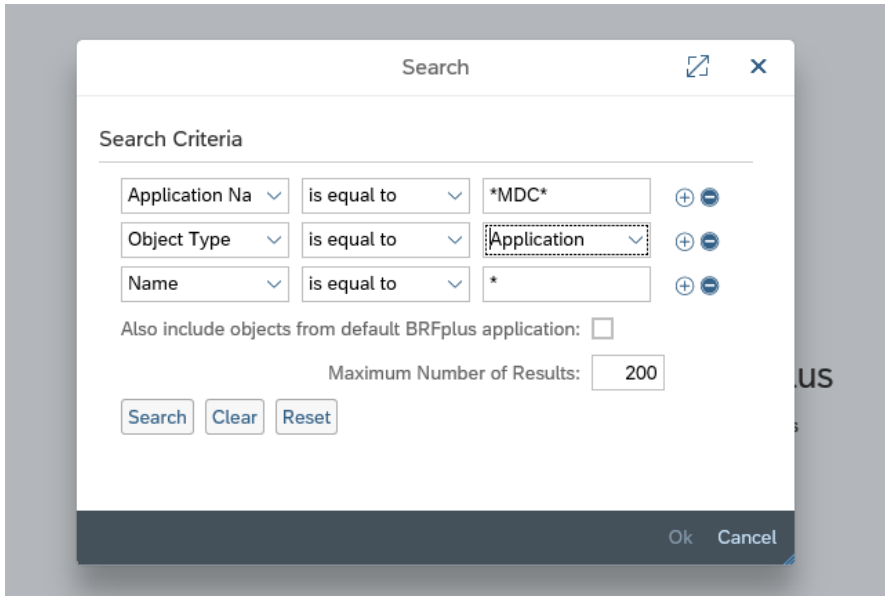
Business Object Type	Process Step Type	Process Step Adapter	Adapter Description
185	BRC	/UGI/CL_MDC_ADAPTER_FL_BRC	Functional Location Best Record Calculation
185	EDI	CL_MDC_ADAPTER_EDI	Interactive Mass Processing
185	FAR	CL_MDC_ADAPTER_FAR	Filter and Remove
185	MTC	/UGI/CL_MDC_ADAPTER_EAM_MTC	EAM Hana Matching
185	MTC	CL_MDC_ADAPTER_FUZZY_MTC	SAP HANA fuzzy search
185	MTC	CL_MDC_ADAPTER_MTC	New SAP HANA fuzzy search
185	STD	/UGI/CL_MDC_ADAPTER_FL_VALMAP	Evaluate value mapping for FL
185	STD	/UGI/CL_MDC_ADAPT_FLOC_KEYMAP	Evaluate Key mapping for FL
185	STD	CL_MDC_ADAPTER_BRF_STD	BRFplus
185	VAL	/UGI/CL_MDC_ADAPTER_FL_VAL	FL Validations (Business Suite)
237	ACT	/UGI/CL_MDC_ADAPTER_MBOM_ACT	Activation for MBOM
237	BRC	/UGI/CL_MDC_ADAPTER_MBOM_BRC	MBOM Best Record Calculation
237	EDI	CL_MDC_ADAPTER_EDI	Interactive Mass Processing
237	FAR	CL_MDC_ADAPTER_FAR	Filter and Remove
237	MTC	/UGI/CL_MDC_ADAPTER_MBOM_MTC	MBOM Matching
237	MTC	CL_MDC_ADAPTER_FUZZY_MTC	SAP HANA fuzzy search
237	MTC	CL_MDC_ADAPTER_MTC	New SAP HANA fuzzy search
237	REP	/UGI/CL_MDC_ADAPTER_MBOM_REP	MBOM Replication with DRF
237	STD	/UGI/CL_MDC_ADAPTER_BOM_VALMAP	Evaluate value mapping for MBOM
237	STD	/UGI/CL_MDC_ADAPT_MBOM_KEYMAP	Evaluate Key Mapping for MBOM
237	STD	CL_MDC_ADAPTER_BRF_STD	BRFplus
237	STD	CL_MDC_ADAPTER_BRF_UPD	BRFplus
237	VAL	/UGI/CL_MDC_ADAPTER_MBOM_VAL	MBOM Validations (Business Suite)

## 2.2.4. Define Rules Using the Business Rule Framework plus (optional)

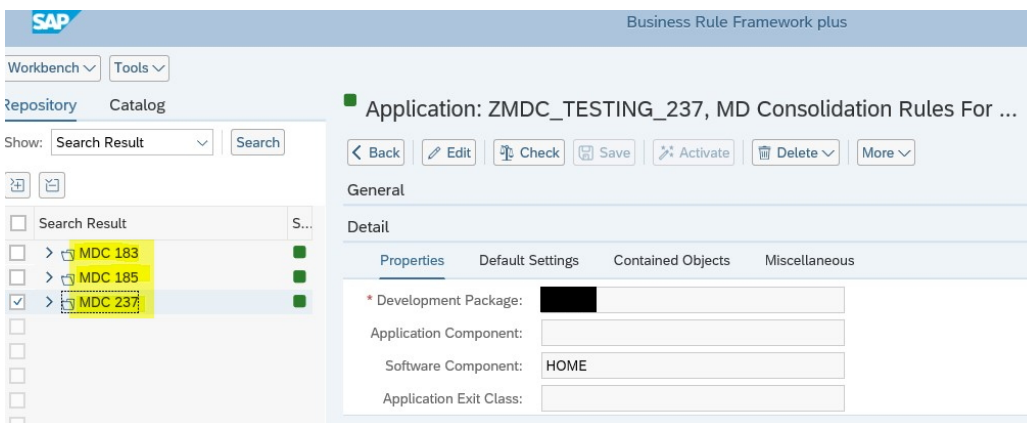
### Note

This section is applicable for fresh installation of MDC and verify the status of these MDC BRF+ Application before proceeding by executing t-code BRF+.

Search Application Name: \*MDC\* and Object Type as "Application"



If the MDC BRF+ Applications as shown below are available then we can proceed with the next section BRF+ generation is not required.




The system generates the required BRFPLUS application for the business object once you run the "Apply BRFplus" artifacts function from the process model. This creates all the functions, expressions, tables, etc. required to be used for defining the ruleset and rules. The naming convention is MDC\_<abbreviation of process step>\_FOR\_\_<table name>, for example: MDC\_STD\_FOR\_\_MAST\_PRC.

Use the following steps to define BRFplus rules for the following process step types.

- Standardization: Select the corresponding adapter in the Process Template Step view in the Customizing Activity Specify Process Template.
- Validation: Set the Execute BRFplus indicator for a specific adapter configuration in the Customizing Activity Configure Validation.
- Best record calculation: Run the Customizing Activity Specify Order of Rules for Best Record Calculation and select an entry. In the Order of Rules for Tables view select the Rule ID BRF+ for specific tables.

To generate the BRFplus application for a business object, use the following steps:

1. Run t-code MDCIMG. Navigate to the customizing path - Master Data Governance, Consolidation and Mass Processing > Configure Process Models and Field Properties > Configure Process Models.

2. Select the business object say 237 and click on the symbol  against the column, resultant artifacts. In case the structures are not visible, remove the filters if any.
  3. Provide the package in customer namespace say Z001.
  4. Select any PRC table say /UGI/MAST\_PRC and click on the button “Apply BRF+ Artifacts”.
- This generates the BRFplus application automatically.

**Model Maintenance**

Package

Table Keeps



























Table	Type	Template	Name	Available	Custom
MAST	STRUCTURE	MDC_TMPL_ATTRIBUTES	/UGI/MDC_MAST_ATTRIBUTES	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAST	TABLE	MDC_TMPL_SRCROOT	/UGI/MAST_SRC	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAST	TABLE	MDC_TMPL_SRCSTAT	/UGI/MAST_SRC_ST	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAST	TABLETYPE	MDC_TMPL_SRC_TT	/UGI/MDC_TT_MAST_SRC	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAST	TABLE	MDC_TMPL_PRCROOT	/UGI/MAST_PRC	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MAST	TABLETYPE	MDC_TMPL_PRC_TT	/UGI/MDC_TT_MAST_PRC	<input checked="" type="checkbox"/>	<input type="checkbox"/>
STKO	STRUCTURE	MDC_TMPL_KEY	/UGI/MDC_STKO_KEY	<input checked="" type="checkbox"/>	<input type="checkbox"/>
STKO	STRUCTURE	MDC_TMPL_ATTRIBUTES	/UGI/MDC_STKO_ATTRIBUTES	<input checked="" type="checkbox"/>	<input type="checkbox"/>
STKO	TABLE	MDC_TMPL_SRC	/UGI/STKO_SRC	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Available Appends





Table	Active Append Name	Source Append Name	Process Append Name	Custom

The log captures if there are any errors while generation of the BRFplus application.

**Error Log**

Ty...	Name of the column	Message Text
		Created BRF+ application ZMDC_TESTING_237
		Object ZMDC_TESTING_237 successfully activated
		Object ZMDC_TESTING_237 successfully activated
		Object MDC_INITIALIZE_NUMBER successfully activated
		Object MDC_LOG_EXT_ID successfully activated
		Object MDC_VALIDATION_STATUS successfully activated
		Object MDC_TABLE_OF__UGI_MAST_PRC successfully activated
		Object MDC_VAL_FOR__UGI_MAST_PRC successfully activated
		Object MDC_STD_FOR__UGI_MAST_PRC successfully activated
		Object MDC_BRC_FOR__UGI_MAST_PRC successfully activated
		Object MDC_UPD_FOR__UGI_MAST_PRC successfully activated
		Object MDC_LOOP_AT__UGI_MAST_PRC successfully activated
		Object MDC_BEST_OF__UGI_MAST_PRC successfully activated
		Object MDC_GET_BEST__UGI_MAST_PRC successfully activated
		Object MDC_TABLE_OF__UGI_STKO_PRC successfully activated
		Object MDC_VAL_FOR__UGI_STKO_PRC successfully activated
		Object MDC_STD_FOR__UGI_STKO_PRC successfully activated
		Object MDC_BRC_FOR__UGI_STKO_PRC successfully activated
		Object MDC_UPD_FOR__UGI_STKO_PRC successfully activated
		Object MDC_LOOP_AT__UGI_STKO_PRC successfully activated
		Object MDC_BEST_OF__UGI_STKO_PRC successfully activated
		Object MDC_GET_BEST__UGI_STKO_PRC successfully activated
		Object MDC_TABLE_OF__UGI_STPO_PRC successfully activated
		Object MDC_VAL_FOR__UGI_STPO_PRC successfully activated
		Object MDC_STD_FOR__UGI_STPO_PRC successfully activated
		Object MDC_BRC_FOR__UGI_STPO_PRC successfully activated
		Object MDC_UPD_FOR__UGI_STPO_PRC successfully activated
		Object MDC_LOOP_AT__UGI_STPO_PRC successfully activated
		Object MDC_BEST_OF__UGI_STPO_PRC successfully activated
		Object MDC_GET_BEST__UGI_STPO_PRC successfully activated
		Object MDC_TABLE_OF__UGI_STPU_PRC successfully activated
		Object MDC_VAL_FOR__UGI_STPU_PRC successfully activated
		Object MDC_STD_FOR__UGI_STPU_PRC successfully activated
		Object MDC_BRC_FOR__UGI_STPU_PRC successfully activated
		Object MDC_UPD_FOR__UGI_STPU_PRC successfully activated
		Object MDC_LOOP_AT__UGI_STPU_PRC successfully activated

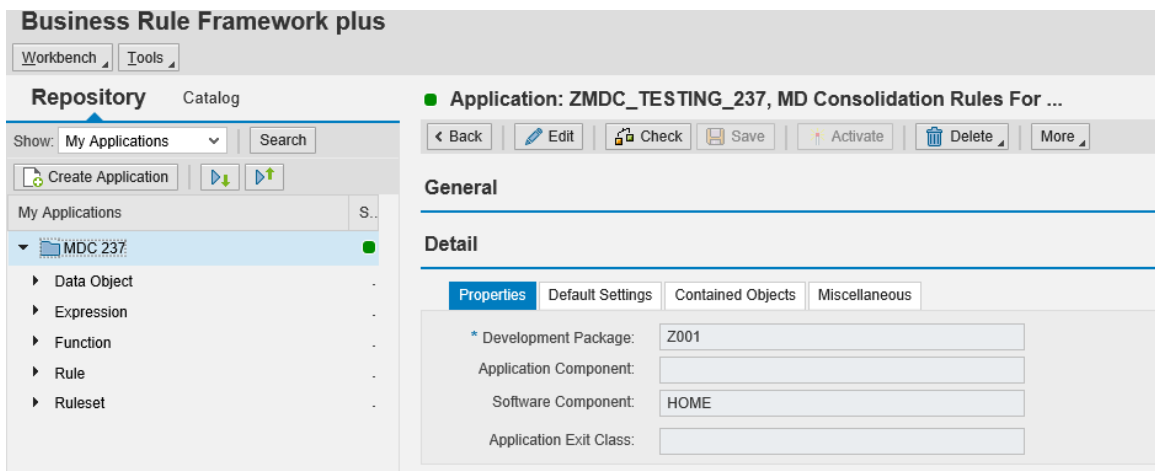


	Object MDC_UPD_FOR__UGI_STPU_PRC successfully activated
	Object MDC_LOOP_AT__UGI_STPU_PRC successfully activated
	Object MDC_BEST_OF__UGI_STPU_PRC successfully activated
	Object MDC_GET_BEST__UGI_STPU_PRC successfully activated

- Launch t-code BRFplus. Alternatively, you can run t-code MDCIMG and navigate through the path: Master Data Governance, Consolidation and Mass Processing > Define Rules Using the Business Rule Framework plus.
- Ensure that the following application named "MDC\_237" is generated.

### Note

Naming convention for the BRFplus application created is "MDC\_<BO\_type>".



**Business Rule Framework plus**

Workbench Tools

Repository Catalog

Show: My Applications Search

Create Application

My Applications S...

▼ MDC\_237

- ▶ Data Object
- ▶ Expression
- ▶ Function
- ▶ Rule
- ▶ Ruleset

Application: ZMDC\_TESTING\_237, MD Consolidation Rules For ...

Back Edit Check Save Activate Delete More

General

Detail

Properties Default Settings Contained Objects Miscellaneous

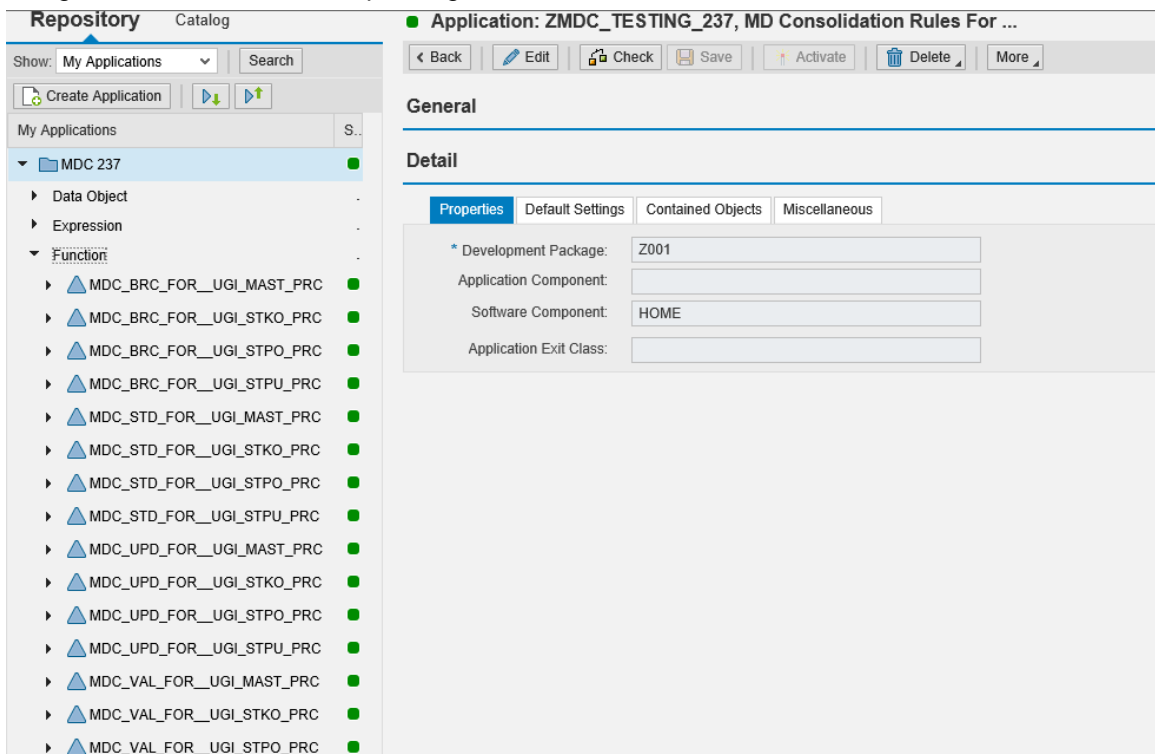
\* Development Package: Z001

Application Component:

Software Component: HOME

Application Exit Class:

- Navigate to the function corresponding for which the rule needs to be defined.



**Business Rule Framework plus**

Workbench Tools

Repository Catalog

Show: My Applications Search

Create Application

My Applications S...

▼ MDC\_237

- ▶ Data Object
- ▶ Expression
- ▼ Function
  - ▶ ▲ MDC\_BRC\_FOR\_\_UGI\_MAST\_PRC
  - ▶ ▲ MDC\_BRC\_FOR\_\_UGI\_STKO\_PRC
  - ▶ ▲ MDC\_BRC\_FOR\_\_UGI\_STPO\_PRC
  - ▶ ▲ MDC\_BRC\_FOR\_\_UGI\_STPU\_PRC
  - ▶ ▲ MDC\_STD\_FOR\_\_UGI\_MAST\_PRC
  - ▶ ▲ MDC\_STD\_FOR\_\_UGI\_STKO\_PRC
  - ▶ ▲ MDC\_STD\_FOR\_\_UGI\_STPO\_PRC
  - ▶ ▲ MDC\_STD\_FOR\_\_UGI\_STPU\_PRC
  - ▶ ▲ MDC\_UPD\_FOR\_\_UGI\_MAST\_PRC
  - ▶ ▲ MDC\_UPD\_FOR\_\_UGI\_STKO\_PRC
  - ▶ ▲ MDC\_UPD\_FOR\_\_UGI\_STPO\_PRC
  - ▶ ▲ MDC\_UPD\_FOR\_\_UGI\_STPU\_PRC
  - ▶ ▲ MDC\_VAL\_FOR\_\_UGI\_MAST\_PRC
  - ▶ ▲ MDC\_VAL\_FOR\_\_UGI\_STKO\_PRC
  - ▶ ▲ MDC\_VAL\_FOR\_\_UGI\_STPO\_PRC

Application: ZMDC\_TESTING\_237, MD Consolidation Rules For ...

Back Edit Check Save Activate Delete More

General

Detail

Properties Default Settings Contained Objects Miscellaneous

\* Development Package: Z001

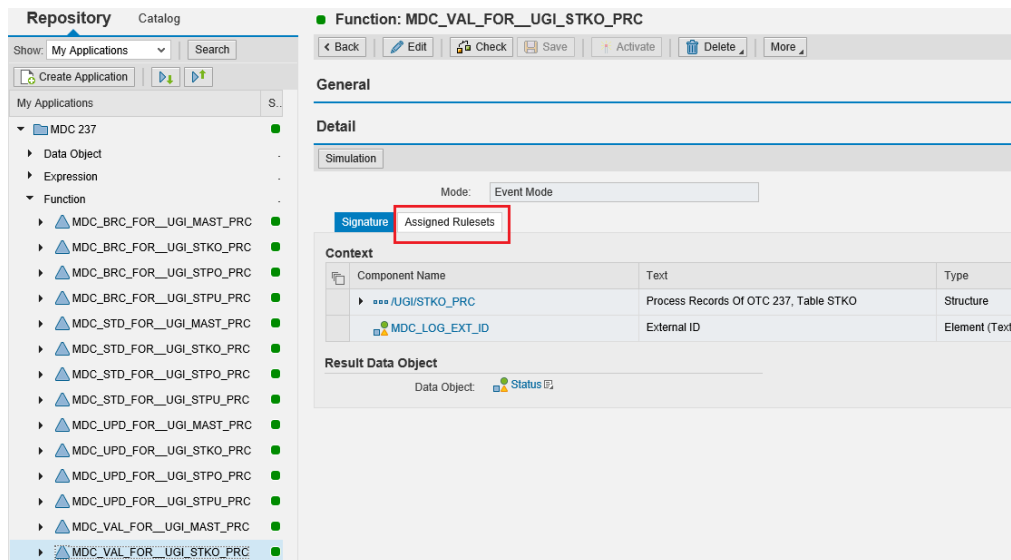
Application Component:

Software Component: HOME

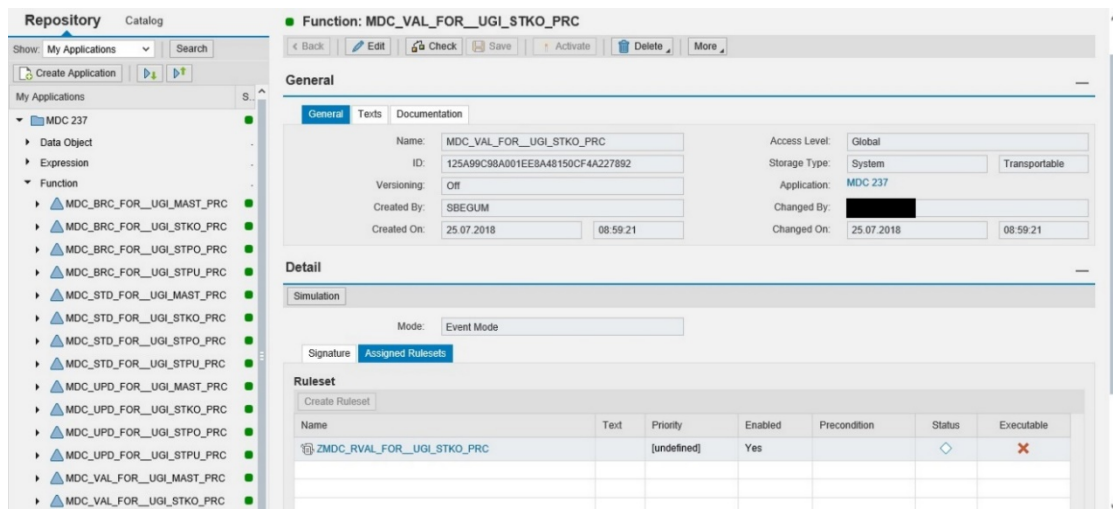
Application Exit Class:

- Use the following steps to define a rule:

- Choose any function say “MDC\_VAL\_FOR\_\_UGI\_STKO\_PRC”.
- Navigate to “Assigned Rulesets” and click on “Create Ruleset”.
- Enter the name and description of the Ruleset.



Ruleset is created as displayed in the following screen. The Ruleset holds the set of rules defined as per the business scenarios.



- Save and activate the Ruleset.
- Click on “Insert Rule” to create a new rule within a Ruleset.



**Repository** Catalog

Show: My Applications Search

Create Application

My Applications

MDC 237

- Action
- Data Object
- Expression
- Function
  - MDC\_BRC\_FOR\_\_UGL\_MAST\_PRC
  - MDC\_BRC\_FOR\_\_UGL\_STKO\_PRC
  - MDC\_BRC\_FOR\_\_UGL\_STPO\_PRC
  - MDC\_BRC\_FOR\_\_UGL\_STPU\_PRC
  - MDC\_STD\_FOR\_\_UGL\_MAST\_PRC
  - MDC\_STD\_FOR\_\_UGL\_STKO\_PRC
  - MDC\_STD\_FOR\_\_UGL\_STPO\_PRC
  - MDC\_STD\_FOR\_\_UGL\_STPU\_PRC
  - MDC\_UPD\_FOR\_\_UGL\_MAST\_PRC
  - MDC\_UPD\_FOR\_\_UGL\_STKO\_PRC
  - MDC\_UPD\_FOR\_\_UGL\_STPO\_PRC
  - MDC\_UPD\_FOR\_\_UGL\_STPU\_PRC

**Function: MDC\_VAL\_FOR\_\_UGL\_STKO\_PRC**

Back Edit Check Save Activate Delete More

**General**

General Texts Documentation

Name: MDC\_VAL\_FOR\_\_UGL\_STKO\_PRC Access Level: Global

ID: 125A99C98A001EE8A48150CF4A227892 Storage Type: System Transportable

Versioning: Off Application: MDC 237

Created By: Created On: 25.07.2018 08:59:21 Changed By: Changed On: 25.07.2018 08:59:21

**Detail**

Simulation

Mode: Event Mode

Signature Assigned Rulesets

**Ruleset**

Create Ruleset

Name	Text	Priority	Enabled	Precondition	Status	Executable
ZMDC_RVAL_FOR__UGL_STKO_PRC		[undefined]	Yes		●	✓

The following screen shows a simple rule to display an error message “Please maintain the labor field” when the “Labor/Office” field is not provided.

**Rules**

Insert Rule Insert Exit Condition

Disable Rule (1) Rule: No description is available - Unlimited Validity Options

Valid From / To: 00:00:00 / 00:00:00

Description:

If

Process ...-Lab/Office is initial

Then

(1) Perform Labor empty

(2) Change value of Status to E (Validation executed with errors)

The following screen shows sample message action used for validation.

Make sure that the “Application sub-object” is selected as per the process step and “External Identification field” is set as “By external object”.

**Detail**

Action Followup Actions

Context Overview Start Simulation

Application Log Object: MDC

Description: Master Data Governance, Consolidation

Application Log Subobject: MDC\_VAL

Description: Validation

External Identification Mode: By Reference Object

External Identification Refer... : External ID

Persist: ☒

**Log Message:**

(1) Error Message: Please maintain the value for Labor.

### 2.2.5. Configure Scope

You can use the Configure Scope customizing activity to configure the default scope for your mass processing on the Fiori UI. This default scope is displayed on the initial screen of mass processing on the UI and determines the fields that are available in the Edit step. This is customizable and can be navigated through the path as given below.

Master Data Governance, Consolidation and Mass Processing > Configure Scope.

Run the transaction code SCPR20 and activate the BC-Set /UGI/MDC\_EAM\_ADAPTERS\_920 and activation of /UGI/MDC\_EAM\_ADAPTERS\_1909 for EAM 1909 release only for default configurations delivered for business objects 237, 183 and 185.

### 2.2.6. Configure Standardization

This process step can be used for data enrichment and normalization using the key mapping, value mapping, and BRFplus applications. Each of these functionalities is carried out by the specific adapters meant for that purpose.

For example, if the material does not exist in the target system but the source file has the key mapped material, instead of throwing the error that material does not exist or activated, it assigns the material BOM data to the key mapped material in the target system.

Also, for enrichment, some of the fields can be derived based on the existing data. Such rules can be defined at the BRFplus application level.

### 2.2.7. Configure Parallelization for Update

Within the process, step update data is updated by the system using BRF+ rules. For the process step update, you can configure the number of parallel processes to improve the performance of the consolidation process.

To use parallelization in SAP MDG, consolidation you must set up an RFC destination.

This is available in the Customizing activity under the path.

Master Data Governance, Consolidation and Mass Processing> Configure Parallelization for Update.

You can specify the number of processes that you want to run in parallel along with the queue name.  
Configure Matching

### 2.2.8. Configure Matching

Within this process, you can define and generate the match configurations and matching rules and rulesets to group the data in clusters called match groups based on certain rules.

You can configure matching by running the t-code MDCIMG and maintain the required settings using the navigation path: Master Data Governance, Consolidation, and Mass Processing > Configure Matching.

Run t-code SCPR20 and activate the BC-Set /UGI/MDC\_EAM\_CONFIG\_MATCH\_920 In Expert mode to enable the default configurations for matching for business objects 237, 183 and 185.

#### Note

Matching and Best Record Calculations for Material BOM is not supported as part of EAM 1909.

### 2.2.8.1. Add Configuration for Matching

To add configuration for matching, use the following steps:

- Configure Parallelization
- Configure SAP HANA Fuzzy Matching
- Create Match Configuration for Fuzzy Matching

### 2.2.9. Configure Parallelization

Use the following steps to configure parallelization:

1. Run t-code MDCIMG and navigate through the customizing path Master Data Governance, Consolidation and Mass Processing > Configure Matching > Configure Parallelization for <Bo\_type> say Equipment Matching>.
2. Click on “New Entries”.
3. Provide the description for the config ID.
4. Provide the number of parallel steps allowed.

The following points should be considered for assigning this value:

- This indicates the number of allowed parallel processes to be triggered when this adapter step gets started.
- In case you wish to restrict the number of queues that are created for this step, you enter the wished number of processes here. Make sure not to enter a number higher than the allowed number of parallel tasks, since this might result in poor performance.
- In case of activation, it is recommended to enter a few parallel processes that is lower than the number of allowed parallel tasks. Due to fact, that during activation the writing of key mapping is conducted using a queue by its own to optimize runtime, the number of parallel processes sums up to the configured number of parallel process plus one.

### 2.2.10. Configure SAP HANA Fuzzy Matching

Use the following steps to configure SAP HANA fuzzy Matching:

1. Run t-code MDCIMG and navigate through the customizing path Master Data Governance, Consolidation and Mass Processing > Configure Matching > Configure SAP HANA Fuzzy Matching.
2. Click on “New Entries”.
3. Provide the name of the config ID.
4. Provide the Adapter Config Description.
5. Assign the BO type as 237 for Material BOM, 183 for equipment master and 185 for functional locations.
6. Click on “Save” button.
7. Mark the row for config ID and click on the “Fuzzy Ruleset Fields”.
8. List down the table and table fields for consideration for matching weightage.
9. To configure the Fuzzy Ruleset Rules, Run t-code “/UI2/FLP” and navigate to the Fiori application “Configure Matching” and define the rules as explained:

The rulesets are created in the SAP HANA studio to define certain rules based on the business scenarios. The ruleset can be found in the package used for creating the match configuration. The ruleset naming convention is as follows: <MatchConfigurationName>\_RULESET.

- a. When selecting the row for a match configuration, the following details are needed:

- Configuration Name
- Business Object

- Score Selection -This defines, the score from which rule is to be used for the match result:
  - Highest Score: Score of the rule with the highest score
  - First Rule: Score of the first rule that matches. This can be influenced by the sequence of rules.
  - Approval Score
  - Assigned rules with number of relevant attributes
- b. When selecting the attribute details, the following information is shown:
- Properties
    - Table Name: Technical table name for the assigned match attribute
    - Field Name: Technical field name for the assigned match attribute
    - Weight: Weight for this attribute used for the calculation of the result score of a rule (value between 0 and 1)
    - Fuzziness: Fuzziness value for an attribute to check, if the values are similar (value between 0 and 1, 1 means: only exact values for duplicate detection)
  - Options:
    - Empty Matches Null: When switched on, null values also match empty values in database tables
    - Score, if empty: This score is applied for the attribute if the field value is empty and would not match against a record with a value in the same field. (e.g. a business partner record would not match, if the field "Region" is empty, against a similar record with a filled region field. When assigning a value in this option, this score is used, and the attribute would match)
    - Spellcheck Factor: Defines the score of terms that get a fuzzy score of 1.0 but are not equal.
    - Similar Calculation Mode: Defines how the score is calculated when comparing terms. Defines options to search with substrings of terms.
- c. The following types of conditions are supported for attributes
- If Missing: This can be ignored in consolidation
  - If Equal: Checks, if there is a specific value for an attribute (use the field value)
  - If Not Equal: Checks, if there is NOT a specific value for an attribute (use the field value) Based on these conditions, the following actions can be triggered
  - Skip Column: This attribute is not taken in consideration for the matching
  - Skip Rule: The complete rule is not taken in consideration for the matching
  - Replace: The value for the attribute is replaced by another value

### 2.2.11. Create Match Configuration for Fuzzy Matching

Use the following steps to create match configuration for Fuzzy Matching:

1. Run t-code MDCIMG and navigate through the customizing path Master Data Governance, Consolidation and Mass Processing > Configure Matching > Create Match Configurations for Fuzzy Matching.

This Customizing activity calls the Web Dynpro application Match Configuration (MDC\_HDB\_MATCH). You can use this screen to create, change, copy, and delete a match configuration.

- a. To create a match configuration, choose New.
- b. On the General Data screen, proceed as described:

- Enter a name in the Match Configuration field.
  - Enter a description in the Description field.
  - Enter the business object type in the Business Object Type field.
  - Enter a name for the SAP Hana package in the *HANA* package field.
  - The SAP HANA package is generated with this name in the SAP Hana database when the match configuration is created. After the generation of the package, its name cannot be changed anymore.
  - Enter an ABAP package in the *ABAP* package field.
- c. On the “Select Attributes” screen, the tables from the process model are presented in tree form. You can select the attributes that you want to include in your match configuration.
  - d. On the “Review and Generate” screen, you can review your choices from the previous screens, and if necessary, you can go back to the previous screens to make changes.
  - e. Click on “Save” to save the configuration.
  - f. Click on “Generate” button to generate the match configuration.

### Note

To use the generated match configuration for matching, ensure that fuzzy search adapter CL\_MDC\_ADAPTER\_FUZZY\_MTC is assigned to a business object in the customizing path: Master Data Governance, Consolidation and Mass Processing > Specify Adapters.

## 2.2.12. Configure Best Record Calculation

Once the matching is completed, the data is divided into separate match groups.

To configure the Best Record Calculation for MDG consolidation, run the Customizing activities under the navigation path as: Master Data Governance, Consolidation, and Mass Processing > Configure Best Record Calculation.

The standard delivery contains the following rules to determine the best record:

- **COMPLETENESS:** Determines that on-field level completely maintained record win.
- **RECENCY:** Determines that on table level the most recent record wins.
- **SOURCE\_SYSTEM:** Determines that on table level the record from a specified source system win.
- **BRF+:** Best record calculation is up to the Business Rule Framework (BRFplus).

For a specific table, the source system or the recency can be considered to have higher priority. Depending on this setting the corresponding data is considered for the best record.

You can view and define the rules under the customizing path: Master Data Governance, Consolidation, and Mass Processing > Configure Best Record Calculation > Specify Rules for Best Record Calculation.

To specify the order of rules with respect to the system ID, you can navigate to the customizing path: Master Data Governance > Consolidation and Mass Processing > Configure Best Record Calculation > Specify Order of Rules for Best Record Calculation.

The information, what source system has a certain priority for a specific table is maintained in the Order of Source Systems view. In a second step, the preliminary best record is processed on field level. If a field does not contain data but completeness is assigned to this field as highest priority, then the data is completed with data derived from the record with the next highest order.

To enable the default configuration for Best Record calculations, you can run transaction code SCPR20 and activate the BC-Set /UGI/MDC\_EAM\_BR\_CONFIG\_920.

## 2.2.13. Configure Validation

Within the process step validation, the consolidation checks whether the quality of a record is enough to meet the requirements defined in the back-end system. If the quality requirements are met the data can be saved, if not corrections and data enrichment might be required.

This process step can be used to carry out the data validation and the initial check. This can call the validation BAdI for MDG and the BRFplus application based on the checkbox settings. There is a separate adapter provided for each of the business objects.

Run t-code SCP20 and activate the BC-Set /UGI/MDC\_EAM\_VF\_CONFIG\_920 for enabling the default configurations. Activate the BC-Set /UGI/MDC\_EAM\_VF\_CONFIG\_1909 for the changes as per 1909 release.

Use the following steps to add configurations for validation.

Run t-code MDCIMG and navigate through the customizing path: Master Data Governance, Consolidation and Mass Processing > Configure Validation.

1. Click on "New Entries".
2. Provide the name for configuration ID.
3. Provide the Adapter Config Description.
4. Enter the Prefix for queue name such as MDC\_MBOM\_VAL\_Q\_. Make sure that the same is defined under the section [Configuration of bgRFC](#).
5. Mark the checkbox "MDG Checks" if the MDG checks are to be executed for validation.
6. Mark the checkbox "BRF+ Checks" if the BRF+ validation checks are to be called for data validation.
7. Selecting the "Worklist" checkbox indicates that the master data objects identified with errors in the validation step of the consolidation process are transferred to the master data quality worklist.

This validation step is used in a process with the process goal Data Quality Remediation as defined in the process template configuration.







8. Select the "Remove Unchanged" checkbox to ensure that the unchanged records are removed from the consolidation process.

The following points should be considered before marking this checkbox:

- Do not set the indicator for initial validations.
- It is recommended to set the indicator for validation steps before the final activation step for clarity reasons.
- The number of the removed records is displayed in the UI.
- Removing unchanged records could also improve the performance.

The following screen displays the configuration screen for validation.

**Change View "Master Data Consolidation: Configurations for Validation"**

68 New Entries       BC Set: Change Field Values

Configuration ID

Master Data Consolidation: Configurations for Validation

Description	MBOM validation
No of Processes	10
Queue Prefix	MDC_MBOM_VAL_Q_
<input checked="" type="checkbox"/> MDG Checks	
<input checked="" type="checkbox"/> BRF+ Checks	
<input type="checkbox"/> Write MDQ Worklist	
<input type="checkbox"/> Remove Unchanged Rec	
Threshold	<input type="text"/>

## 2.2.14. Configure Filter and Remove

You can use this process step to configure the adapter CL\_MDC\_ADAPTER\_FAR for filter and remove.

Within this process step, selection of records is removed from the current consolidation process. According to your settings, this selection of records then is moved to a new consolidation process or in case of records with errors, further options can be applied.

The process step Filter and Remove can be used only as successor of the following process steps:

- Matching
- Best record calculation
- Validation

You can filter records with errors using the same criteria and select one of following actions using the input help:

- Move records to new duplicate process
- Remove and Delete Source Records
- No Action

Run transaction code SCPR20 and validate if the BC-Set /UGI/MDC\_EAM\_VF\_CONFIG\_920 is already activated for enabling the sample configurations provided for the BO types 237, 185 and 183.

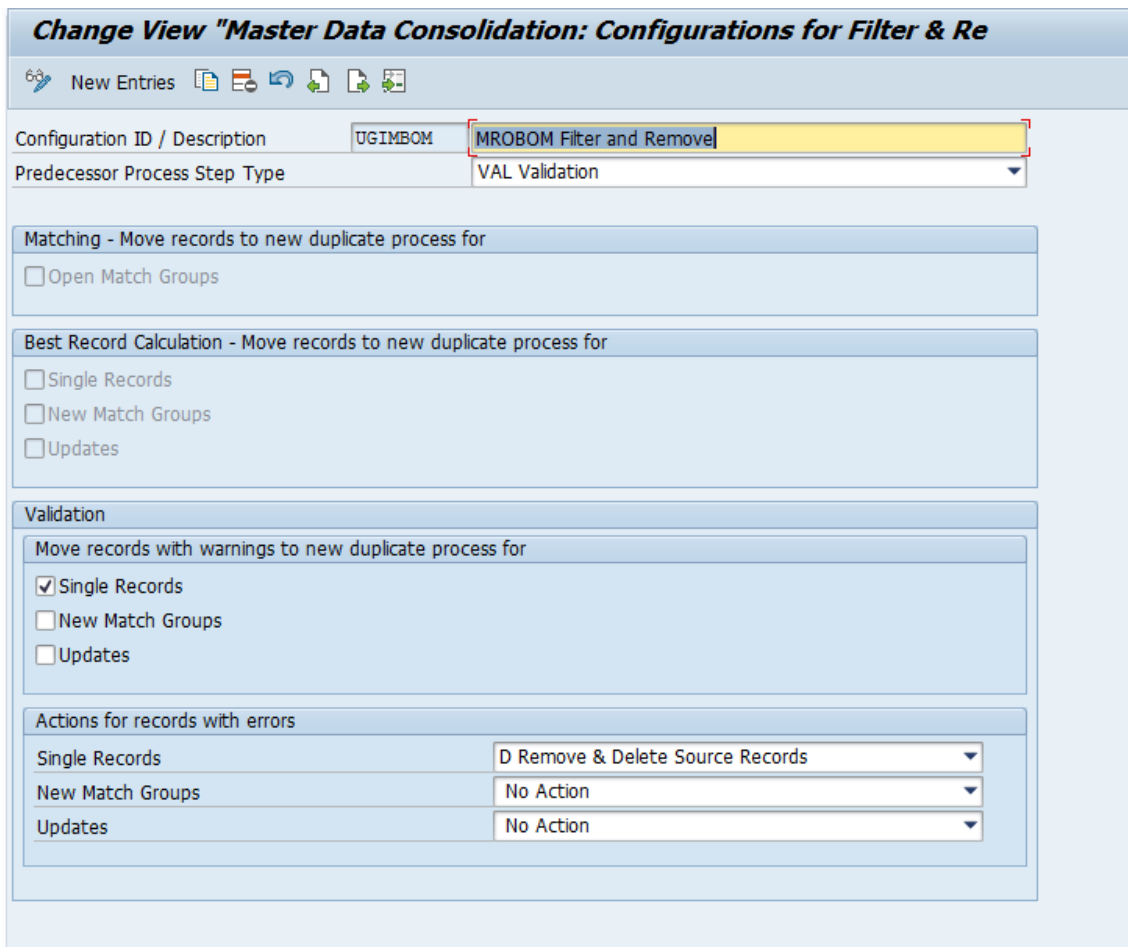
The following steps can be followed for adding a configuration for Filter and Remove:

1. Click on "New Entries".
2. Provide the name of the config ID and provide a suitable description against the same.
3. Under the "Matching-Move records to new duplicate process for" tab, mark the checkbox, open match groups to get the records from open match groups moved to the new process id.
4. Under the "Best Record Calculation, move records to new duplicate process for" tab, select from the following options to enable this behavior:
  - Single Records
  - New Match Groups
  - Updates
5. Under the "Validation Move records with warnings to new duplicate process for" tab, select from the following options to enable this behavior:
  - Single Records
  - New Match Groups



- Updates
6. Under the “Action for records with error” tab, make the following selections against the single records, new match groups, and updates options:
- No action
  - Remove and Delete the source records. This clears the value in the source tables once the process is completed.
  - Move records to new duplicate records. This moves the records to new process ID for separate processing.

The following screen displays the configuration for Filter and Remove.



The screenshot shows the configuration interface for Master Data Consolidation. The title bar reads "Change View 'Master Data Consolidation: Configurations for Filter & Re'". Below the title bar, there is a toolbar with icons for "New Entries", "Print", "Refresh", "Save", "Cancel", and "Help".

The main configuration area includes the following sections:

- Configuration ID / Description:** UGIMBOM (highlighted in yellow).
- Predecessor Process Step Type:** VAL Validation (dropdown menu).
- Matching - Move records to new duplicate process for:**
  - ☐ Open Match Groups
- Best Record Calculation - Move records to new duplicate process for:**
  - ☐ Single Records
  - ☐ New Match Groups
  - ☐ Updates
- Validation:**
  - Move records with warnings to new duplicate process for:**
    - ☒ Single Records
    - ☐ New Match Groups
    - ☐ Updates
  - Actions for records with errors:**

Action	Configuration
Single Records	D Remove & Delete Source Records
New Match Groups	No Action
Updates	No Action

## 2.2.15. Configure Activation

This process step helps in the configuration of the activation once the process is completed. The activation can be either Direct activation of cleansing case or through the MDG Change Request.

Upon activation, the records are created in backend. This also provides the settings to enable the replication of data along with the BRFplus validation and validation BAdI to be called.

This can be navigated through the path: Master Data Governance, Consolidation and Mass Processing > Configure Activation > Configuration of MBOM (or EQ or FLOC)

You can enable the default configuration for activation by running transaction code SCRPR20 and activating the BC-Set /UGI/MDC\_EAM\_ACT\_CONFIG\_920.



Use the following steps to create a config ID for Activation.

1. Click on New Entries
2. Provide the name of the config ID.
3. Maintain the adapter config description.
4. Provide prefix for the queue MDC\_MBOM\_ACT\_Q\_. Make sure that this matches with the convention maintained against section [Configuration of bgRFC](#).
5. Double-Click and navigate to the detailed view of the configuration.
6. Under the tab, "New Records", maintain the following settings:
  - a. Activation Target for new records - Direct activation, Activation with Change Request, or no activation.
  - b. Type of Change Request: Choose dropdown to select the type of Change Request in case the option is selected as "Activation with change request".
7. Maintain the value for Max. Records. This is the maximum number of objects that can be part of each Import Type Change request.
8. Maintain the activation settings under the tab, "Updated Records" for consideration for mass processing.
9. For match groups, maintain the settings under the tab "Match Group".
10. Under the tab, Replication, mark the checkbox "Call DRF after Activation" in case the data must be replicated after successful activation.
11. Under the Tab Validation, Mark the below checkbox for additional validations as needed
  - a. Execute Central Governance Checks (Validation Rules and BAdI Validation)
  - b. Execute BRF+ checks
12. Under the tab Retention time, specify a period between 0 to 999 days in which the records and the history of the process are retained to be displayed even after the final process step, typically the activation. During this period the records are locked.
13. This is further extended to hours.

**Change View "Configurations for Activation for MBOM": Details**

New Entries

Configuration ID / Description: SAP\_ACTBOM SAP : MBOM Activation

Configurations for Activation for MBOM

Number of Processes: 10

Prefix for Queue Name: MDC\_MBOM\_ACT\_Q\_

**New Records**

Activation Target for New Records	1 Direct Activation	Type of Change Request		Max. Rec.	
Target for New Incorrect Records		Type of Change Request		Max. Rec.	

**Updated Records**

Activation Target for Updated Records	1 Direct Activation of Best Record	Type of Change Request		Max. Rec.	
Target for Updated Incorrect Records		Type of Change Request		Max. Rec.	

**Match Group**

Activation Target for Match Groups	1 Direct Activation of Best Record	Type of Change Request		Max. Rec.	
Target for Incorrect Match Groups		Type of Change Request		Max. Rec.	

**Replication**

☐ Call DRF after Activation

<b>Validation</b>	
<input checked="" type="checkbox"/>	Execute Central Governance Checks (Validation Rules (BRF+) & BAdI Validations)
<input type="checkbox"/>	Execute BRFplus Checks
<b>Retention Time</b>	
Retention Time	Days <input type="text"/> Hours <input type="text"/>

## 2.2.16. Configure Process Template

Process template is used to define the flow of the process id. The setup of process templates is tied to certain rules concerning the order and recurrence of the individual process steps.

The process goal defines the type of template. For example, the following process goal for mass processing is M. It is customizable based on the business requirement. A simple flow can have the steps in the following sequence.

Initial check (validation) > Standardization > Validation > Matching > Best Record Calculation > Activation

You can enable the default configurations provided for the business object 237 (MBOM), Equipment Master (183) and Functional Location (185) through following steps: -

The following table has the process steps and their recurrence and limitations.

Process Step	Recurrence	Order	Used by Consolidation	Used by Mass Processing
Standardization	No Limitation		X	X
Update	No Limitation		X	X
Matching	Once		X	
Best Record Calculation	Once	After Matching	X	
Validation	No Limitation		X	X
Filter and Remove	No Limitation	After: - BRC Validation Matching	X	X
Activation	Once	Last or last but one	X	X
Replication	Once	Last	X	X

Run t-code MDCIMG and navigate through the customizing path: Master Data Governance, Consolidation and Mass Processing > Configure Activation > Configure Activation for <BO\_OBJECT(MBOM).

Use the following steps to configure the process template:

1. Choose New Entries.
2. Enter a Process Template ID, a corresponding Description, select the Business Object Type (237 Material BOM, 183 for Equipment Master and 185 for functional location), and the Workflow Template WS54500001.
3. In the Process Goal field, use the input help to select the goal of the process.

4. The following types of process goals are available for selection:
  - Consolidation of Source Records: Records can be loaded repeatedly to be consolidated. The records are not replicated to the source systems.
  - Consolidation for Central Maintenance: Records are loaded only once in the hub system. After being consolidated the records are replicated to the source systems. You can use SAP MDG, central governance to perform the central maintenance.
  - Mass Processing: A selection of active records is updated. The process steps matching, and best record calculation are not supported.
  - Consolidation of Active Records: Your active master data records are checked for duplicates and best records are defined according to your settings. You select a certain process strategy for duplicate records to be applied:
    - Remove Duplicates: The duplicates are marked for deletion. The key mapping is directed to the best record.
    - Improve Best Record: The duplicates are kept unchanged. The key mapping remains unchanged.
    - Improve All Records: The duplicates are kept but become copies of the best record. The key mapping remains unchanged.
5. The Delete Source indicator enables you to configure a default value for the UI. If you want as default value on the UI that source data is deleted after finalizing the process set the “Delete” flag.
6. Save your entries.

Use the following steps to Configure Process Template Step:

1. Mark a process template and choose Process Template Step
2. Select New Entries.
3. Enter a Step Number.
4. Select a Step Type using the input help.
5. Select a corresponding Adapter using the input help.
6. Select a corresponding Configuration ID.
7. If you want the process to stop to review the data after finalizing this process step set the Check Point active indicator.
8. In case you have set the Check Point indicator, choose one of the following options using the input help:
  - No action control: The process can be continued by a user assigned to a role with the required authorization.
  - Apply the four-eyes-principle: The process can be continued by a user assigned to a role with the required authorization except the requestor.
  - Action is only allowed for requestor: The process can exclusively be continued by the requestor.

### **i** Note

The users must be assigned to roles that contain the authorization object MDC\_PROOT:

- The activity 31 Confirm must be assigned to continue processes.
  - The activity 37 Accept must be assigned to continue processes despite unfinished match reviews.
9. To enable the default configurations delivered, use the following step:
    - a. Run t- code SCPR20 and activate the BC-Set /UGI/MDC\_EAM\_PT\_CONFIG\_920.

## 2.3. MDC UI Implementation

The MDC Fiori App details are listed in the following categories:

- [Required Back-end Product](#)
- [Line of Business](#)
- [Application Type](#)
- [Database](#)

### 2.3.1. Required Back-end Product

SAP Master Data Governance.

### 2.3.2. Line of Business

Asset Management, Finance, Manufacturing, Marketing/Engineering, Sales, Service, Sourcing and Procurement, Supply Chain.

### 2.3.3. Application Type

Transactional (Fiori UI5)

### 2.3.4. Database

Any database (DB)

### 2.3.5. Implementation Information

The following implementation information applies for the Fiori App delivered for this release.

#### 2.3.5.1. Installation

The application consists of Front-end components (such as the user interfaces) and Back-end components (such as the OData service). The Backend and front-end components are delivered with separate products and to be installed in a system landscape, which is enabled for SAP Fiori.

Front-end components	
Product Version	<ul style="list-style-type: none"> <li>• SAP MASTER DATA GOVERNANCE 803 /804</li> <li>• MDC Solutions for EAM 1909 by Utopia for SAP UGI 930 Add-on Component</li> </ul>
Support Package Stack	<ul style="list-style-type: none"> <li>• 00</li> </ul>
Product Instance(s)	<ul style="list-style-type: none"> <li>• MDC Solutions for EAM 1909 by Utopia for S/4HANA</li> </ul>
Software Component Version	<ul style="list-style-type: none"> <li>• UGI – Utopia Fiori Software Component – 930</li> </ul>
Prerequisite for installation	<p>MDC Solutions for EAM 1909 by Utopia for SAP UGI 930 is an add-on to:</p> <ul style="list-style-type: none"> <li>• SAP FIORI FRONT-END SERVER 5.0 - SPS Initial Shipment Stack, or</li> <li>• SAP GATEWAY 2.0 - SPS 10 (03/2015) or</li> <li>• S/4HANA on Premise 1809 /1909</li> </ul>

Back-end components (ABAP)	
Product Version	<ul style="list-style-type: none"> <li>SAP MASTER DATA GOVERNANCE 803 /804</li> <li>MDC Solutions for EAM 1909 by Utopia for SAP UGI Add-on Component 930</li> </ul>
Support Package Stack	<ul style="list-style-type: none"> <li>00</li> </ul>
Product Instance(s)	<ul style="list-style-type: none"> <li>Master Data Consolidation and Mass Processing</li> </ul>
Software Component Version	<ul style="list-style-type: none"> <li>UGI – Utopia Fiori Integration Addon – 930</li> </ul>
Prerequisite for installation	<p>MDC Solutions for EAM 1909 by Utopia for SAP UGI 930 is an add-on to</p> <ul style="list-style-type: none"> <li>SAP FIORI FRONT-END SERVER 5.0 - SPS Initial Shipment Stack, or</li> <li>SAP GATEWAY 2.0 - SPS 10 (03/2015) or</li> <li>S4HANA on Premise 1809 /1909</li> </ul>

### 2.3.6. Configuring SAP MDC Fiori Applications for EAM

#### Note

Roles and Catalogs and groups are provided as an example. The following steps need to be followed if customization is required.

To configure the SAP Fiori applications for MDC, execute the following steps:

1. Ensure that /UGI/MDC\_EAM\_CONFIG\_920 BC-Set is activated followed by activation of BC-set /UGI/MDC\_EAM\_ALL\_1909 for EAM 1909 release, and adapters are available for configuration of process steps.
2. Activate the following business function/switches for enabling the configurations for MDC.
  - a. MDG\_CONSOLIDATION\_CUSTOBJ\_2
  - b. MDC\_CUSTOBJ\_SWITCH\_2
  - c. MDC\_FND\_SWITCH
  - d. MDC\_FND\_SWITCH\_2
  - e. MDG\_MDC\_SWITCH
3. Configure the SAP Fiori Launchpad for MDC
 

Activate the standard UI2 service to view the applications in the launchpad.

The following services need to be added with system alias using t-code /IWFND/MAINT\_SERVICES.

#### Note

Below services are applicable for fresh installation and verify the status of these services before proceeding with the next section.

- /UI2/INTEROP
- /UI2/TRANSPORT
- /UI2/PAGE\_BUILDER\_PERS
- /UI2/PAGE\_BUILDER\_CUST
- /UI2/PAGE\_BUILDER\_CONF

## 2.4. ODATA Configurations for MDC

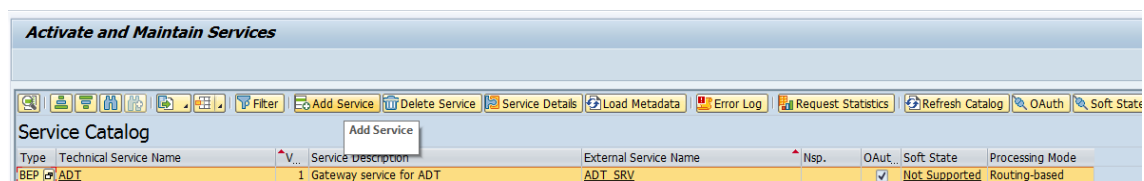
The following topics are described in the section:

- Set System Alias
- Activate ICF Nodes for OData Services
- Assigning System Alias for OData Services
- Activation of MDC SICF Services

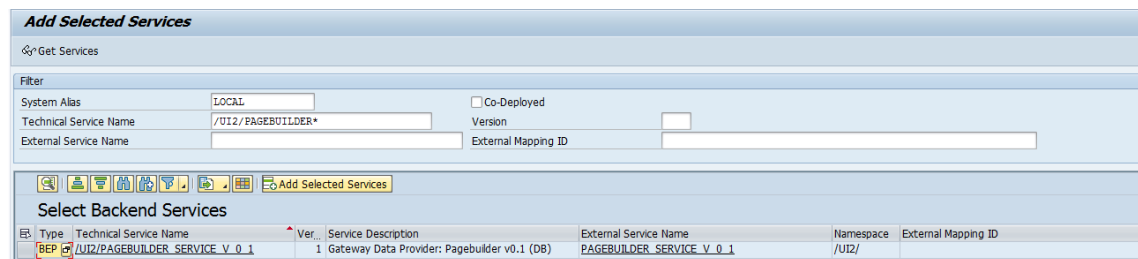
### 2.4.1. Set System Alias

Use the following steps to set the system alias:

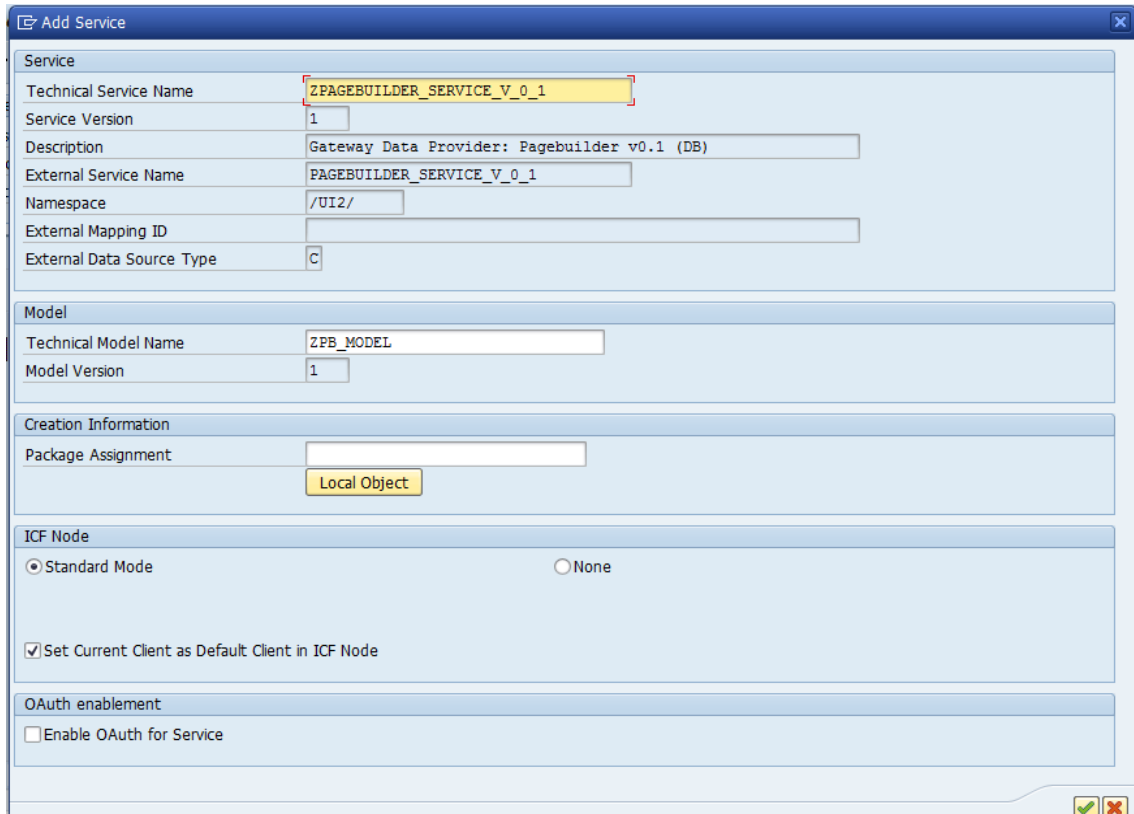
1. Add new service



2. Mark the back-end service and "Add Selected Service".
3. Select your Fiori server or in single instance select the system alias LOCAL.



4. Add the service.



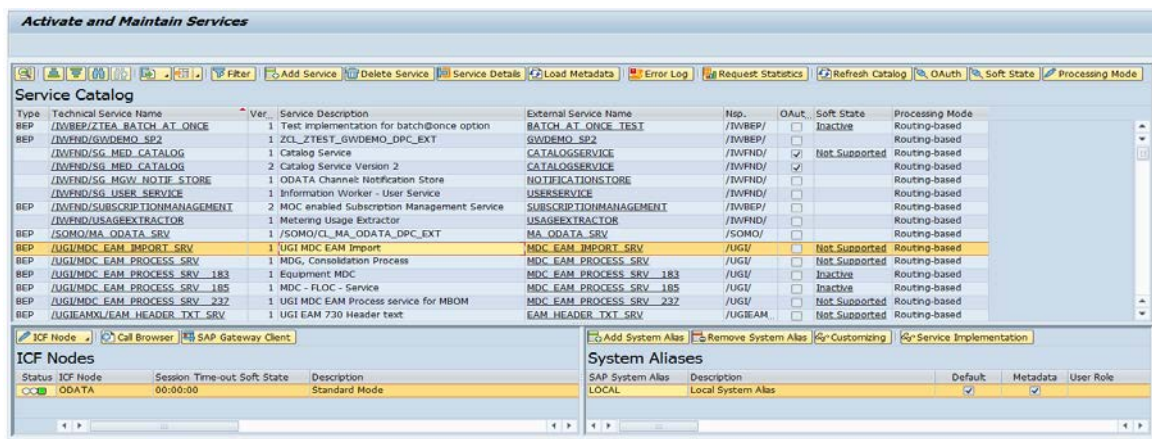
After successful activation the list of “Selected Back-end Services” is empty

5. Repeat steps a. to c. in [Activate ICF Nodes for OData services](#) for all the listed services.
6. Finally, navigate to SICF and check that the services are active under the branch sap/opu/odata/ui2.

## 2.4.2. Activate ICF Nodes for OData Services

To Activate ICF Node for OData services, execute the following steps:

1. Select OData service: Go to t-code /N/IWFND/MAINT\_SERVICE



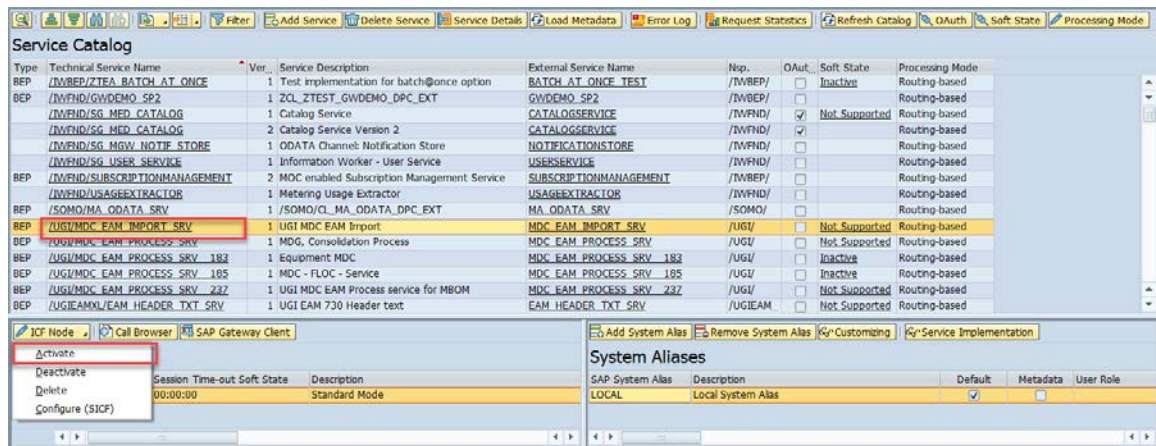
Type	Technical Service Name	Ver.	Service Description	External Service Name	Nsp.	OAut.	Soft State	Processing Mode
REP	/IWBEP/ZTEA_BATCH_AT_ONCE	1	Test Implementation for batch@once option	BATCH_AT_ONCE_TEST	/IWBEP/	<input type="checkbox"/>	Inactive	Routing-based
REP	/IWFND/GWDEMO_SP2	1	ZCL_ZTEST_GWDEMO_DPC_EXT	GWDEMO_SP2	/IWBEP/	<input type="checkbox"/>	Inactive	Routing-based
	/IWFND/SG_MED_CATALOG	2	Catalog Service	CATALOGSERVICE	/IWFND/	<input checked="" type="checkbox"/>	Not Supported	Routing-based
	/IWFND/SG_MED_CATALOG	2	Catalog Service Version 2	CATALOGSERVICE	/IWFND/	<input checked="" type="checkbox"/>	Not Supported	Routing-based
	/IWFND/SG_MGW_NOTIFY_STORE	1	ODATA Channel Notification Store	NOTIFICATIONSTORE	/IWFND/	<input type="checkbox"/>	Inactive	Routing-based
	/IWFND/SG_USER_SERVICE	1	Information Worker - User Service	USERSERVICE	/IWFND/	<input type="checkbox"/>	Inactive	Routing-based
REP	/IWFND/SUBSCRIPTIONMANAGEMENT	2	MDC enabled Subscription Management Service	SUBSCRIPTIONMANAGEMENT	/IWBEP/	<input type="checkbox"/>	Inactive	Routing-based
	/IWFND/USAGEEXTRACTOR	1	Metering Usage Extractor	USAGEEXTRACTOR	/IWFND/	<input type="checkbox"/>	Inactive	Routing-based
REP	/SOMO/MA_ODATA_SRV	1	/SOMO/CL_MA_ODATA_DPC_EXT	MA_ODATA_SRV	/SOMO/	<input type="checkbox"/>	Inactive	Routing-based
REP	/UGI/MDC_EAM_IMPORT_SRV	1	UGI MDC EAM Import	MDC_EAM_IMPORT_SRV	/UGI/	<input type="checkbox"/>	Not Supported	Routing-based
REP	/UGI/MDC_EAM_PROCESS_SRV	1	MDG, Consolidation Process	MDC_EAM_PROCESS_SRV	/UGI/	<input type="checkbox"/>	Not Supported	Routing-based
REP	/UGI/MDC_EAM_PROCESS_SRV_183	1	Equipment MDC	MDC_EAM_PROCESS_SRV_183	/UGI/	<input type="checkbox"/>	Inactive	Routing-based
REP	/UGI/MDC_EAM_PROCESS_SRV_185	1	MDC - FLOC - Service	MDC_EAM_PROCESS_SRV_185	/UGI/	<input type="checkbox"/>	Inactive	Routing-based
REP	/UGI/MDC_EAM_PROCESS_SRV_237	1	UGI MDC EAM Process service for MBOM	MDC_EAM_PROCESS_SRV_237	/UGI/	<input type="checkbox"/>	Not Supported	Routing-based
REP	/UGI/EAMX/EAM_HEADER_TXT_SRV	1	UGI EAM 730 Header text	EAM_HEADER_TXT_SRV	/UGI/EAM	<input type="checkbox"/>	Not Supported	Routing-based

Status	ICF Node	Session Time-out	Soft State	Description	Standard Mode
<input checked="" type="checkbox"/>	ODATA	00:00:00			Standard Mode

2. Select the service and click on ICF Node.





After activating the service, ICF node status is displayed in green color.

### 1 Note

Repeat these steps for all the listed services in Section: Activate ICF Nodes for OData services as given in Table 1.

The list of MDG MDC Fiori OData Services are listed in the following table:

Scenario	Technical Service Name
MDC Import File	MDC_IMPORT_SRV
MDC Import File EAM	/UGI/MDC_EAM_IMPORT_SRV
MDC Process	MDC_PROCESS_SRV
MDC EAM Process	/UGI/MDC_EAM_PROCESS_SRV
MDC Equipment	/UGI/MDC_PROCESS_SRV__183
MDC Functional Location	/UGI/MDC_PROCESS_SRV__185
MDC Material BOM	/UGI/MDC_PROCESS_SRV__237
MDC Application Log Service	APL_LOG_MANAGEMENT_SRV
MDC Customizing Service	MDC_CUSTMIZING
MDC Customizing OData channel	MDC_CUSTOMIZING_SRV
Master Data Manage Source Data	MDC_MANAGE_SOURCE_DATA_SRV
MDC Floc Process Analysis	/UGI/MDG_FLOC_PROC_OVP_SRV
MDC Process Analysis for MBOM	/UGI/MDG_MBOM_PROC_OVP_SRV
Master Data Overview for Equipment	/UGI/MDG_EAM_PROC_OVP_SRV
Masterdata Export	MDC_EXPORT_SRV
Masterdata Export- EAM	/UGI/MDC_EXPORT_SRV_EAM
MDC Track Changes Equipment	/UGI/MDC_TRACK_CHG_SRV__183
MDC Track Changes MBOM	/UGI/MDC_TRACK_CHG_SRV__237
MDC Track Changes Functional Location	/UGI/MDC_TRACK_CHG_SRV__185

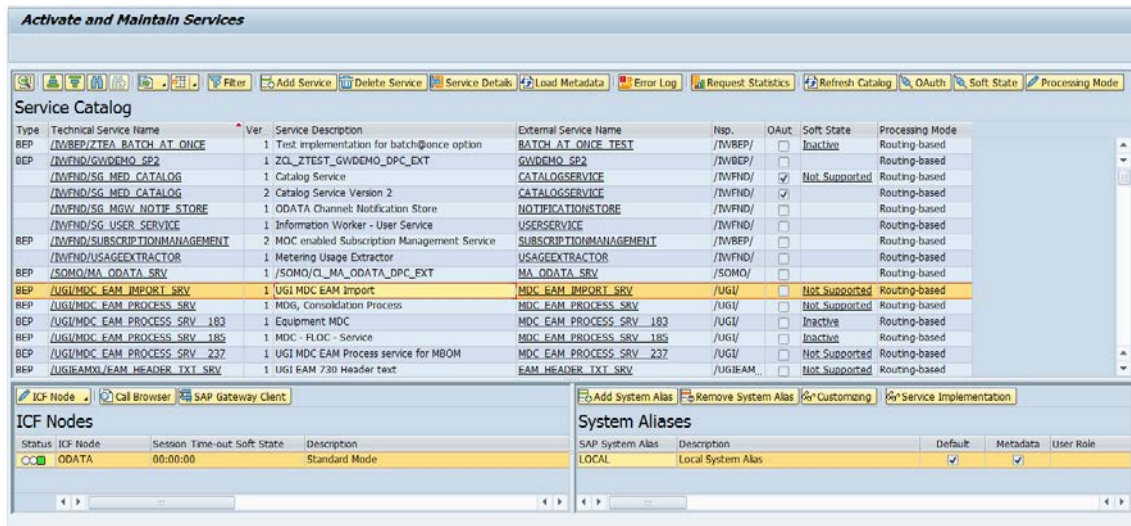
Table 1: MDC FIORI NW OData Services



## 2.4.3. Assigning System Alias for OData Services

To assign system alias for OData services, execute the following steps:

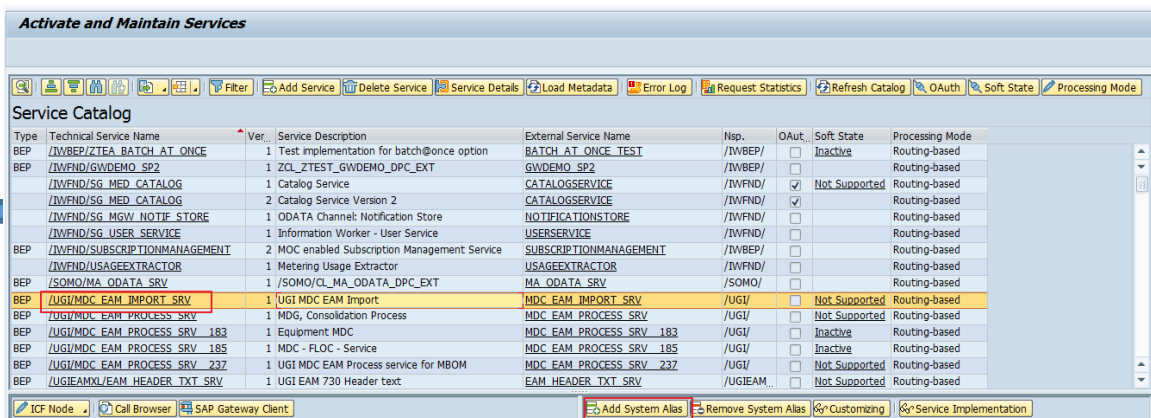
1. Select OData service: Go to t-code /N/IWFND/MAINT\_SERVICE



The screenshot shows the 'Activate and Maintain Services' transaction. The 'Service Catalog' tab is active, displaying a list of services. The 'System Aliases' tab is also visible, showing a table with columns: SAP System Alias, Description, Default, Metadata, and User Role. The 'LOCAL' system alias is listed with the description 'Local System Alias'.

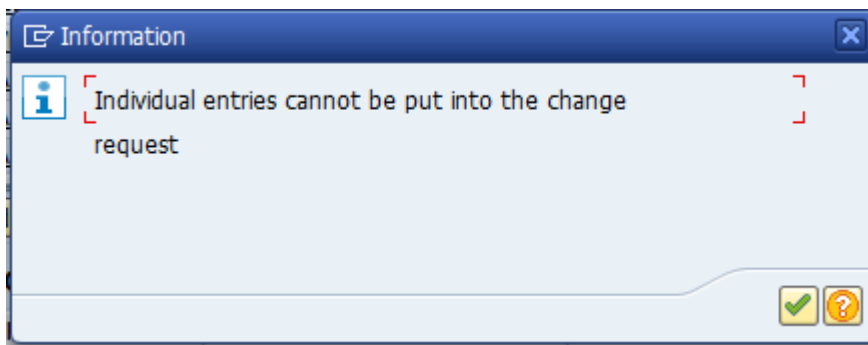
Type	Technical Service Name	Ver.	Service Description	External Service Name	Nsp.	OAUT	Soft State	Processing Mode
BEF	/IWBEP/ZTEA_BATCH_AT_ONCE	1	Test implementation for batch@once option	BATCH_AT_ONCE_TEST	/IWBEP/		Inactive	Routing-based
BEF	/IWFND/GWDEMO_SP2	1	ZQL_ZTEST_GWDEMO_DPC_EXT	GWDEMO_SP2	/IWBEP/		Inactive	Routing-based
BEF	/IWFND/SG_MED_CATALOG	1	Catalog Service	CATALOGSERVICE	/IWFND/		Not Supported	Routing-based
BEF	/IWFND/SG_MED_CATALOG	2	Catalog Service Version 2	CATALOGSERVICE	/IWFND/		Not Supported	Routing-based
BEF	/IWFND/SG_MGW_NOTIF_STORE	1	ODATA Channel: Notification Store	NOTIFICATIONSTORE	/IWFND/		Not Supported	Routing-based
BEF	/IWFND/SG_USER_SERVICE	1	Information Worker - User Service	USERSERVICE	/IWFND/		Not Supported	Routing-based
BEF	/IWFND/SUBSCRIPTIONMANAGEMENT	2	MOC enabled Subscription Management Service	SUBSCRIPTIONMANAGEMENT	/IWBEP/		Not Supported	Routing-based
BEF	/IWFND/USAGEEXTRACTOR	1	Metering Usage Extractor	USAGEEXTRACTOR	/IWFND/		Not Supported	Routing-based
BEF	/SOMO/MA_ODATA_SRV	1	/SOMO/CL_MA_ODATA_DPC_EXT	MA_ODATA_SRV	/SOMO/		Not Supported	Routing-based
BEF	/UGI/MDC_EAM_IMPORT_SRV	1	UGI MDC EAM Import	MDC_EAM_IMPORT_SRV	/UGI/		Not Supported	Routing-based
BEF	/UGI/MDC_EAM_PROCESS_SRV	1	MDG, Consolidation Process	MDC_EAM_PROCESS_SRV	/UGI/		Not Supported	Routing-based
BEF	/UGI/MDC_EAM_PROCESS_SRV_183	1	Equipment MDC	MDC_EAM_PROCESS_SRV_183	/UGI/		Inactive	Routing-based
BEF	/UGI/MDC_EAM_PROCESS_SRV_185	1	MDC - FLOC - Service	MDC_EAM_PROCESS_SRV_185	/UGI/		Inactive	Routing-based
BEF	/UGI/MDC_EAM_PROCESS_SRV_237	1	UGI MDC EAM Process service for MBOM	MDC_EAM_PROCESS_SRV_237	/UGI/		Not Supported	Routing-based
BEF	/UGI/EAMX/EAM_HEADER_TXT_SRV	1	UGI EAM 730 Header text	EAM_HEADER_TXT_SRV	/UGI/EAM...		Not Supported	Routing-based

2. Select the respective service (for all the listed services in Section: [Activate ICF Nodes for OData services](#) – Table1).
3. Click on “Add System Alias” button.



The screenshot shows the 'Activate and Maintain Services' transaction. The 'Service Catalog' tab is active, displaying a list of services. The 'Add System Alias' button is highlighted in the bottom right corner of the transaction.

4. Click on  button on information pop-up.



The screenshot shows an 'Information' pop-up dialog box with the message: 'Individual entries cannot be put into the change request'. There are 'OK' and 'Cancel' buttons at the bottom right.

5. Select the entry and add system alias as in the following screen.

Assign SAP System Aliases to OData Service						
Service Doc. Identifier	User Role	Host Name	SAP System Alias	Default System	Metadata Default	Tech. Svc. Name
/UGI/MDC_EAM_IMPORT_SRV_0001			LOCAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

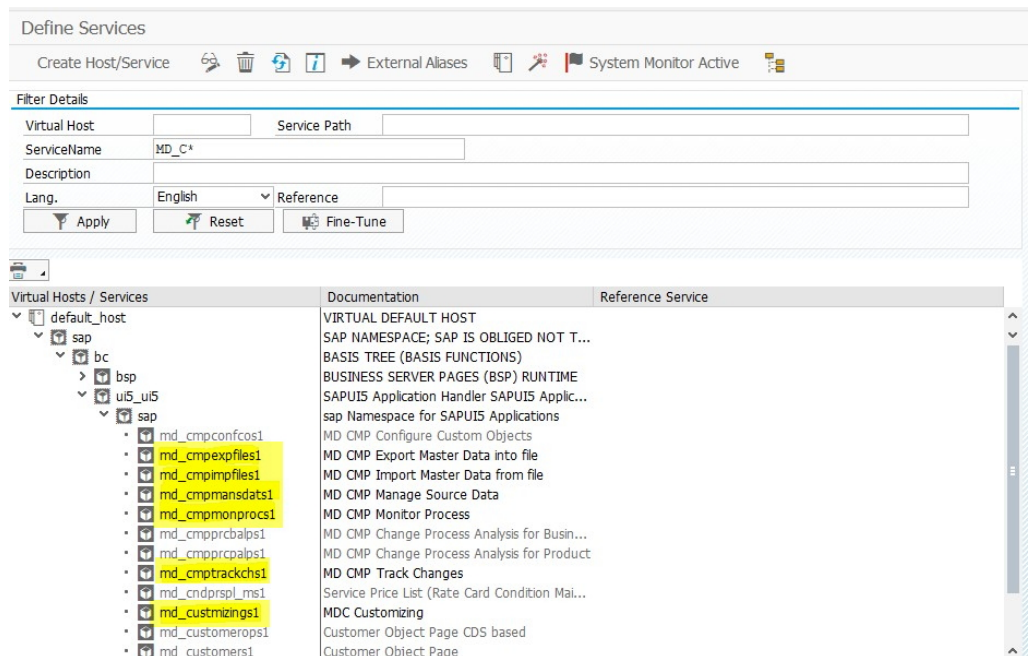
## 6. Save your entries.

### Note

Repeat these steps for all the listed services in Section: [Activate ICF Nodes for OData services](#) – Table 1.

## 2.4.4. Activation of MDC SICF Services

1. Go to Transaction code SICF and navigate to the service path /default\_host/sap/bc/ui5/sap/.
2. Right-click on the following services and activate.
  - a. md\_cmpexpfiles1
  - b. md\_cmpimpfiles1
  - c. md\_cmpmansdats1
  - d. md\_cmpmonprocs1
  - e. md\_cmptrackchs1
  - f. md\_custmizings1



## 2.5. Composite BC-Set for Default Configuration

Run transaction code SPCR20 and activate the BC-Set /UGI/MDC\_EAM\_CONFIG\_920 in Expert Mode to enable all the configurations as described under section 3 followed by activation of BC-set /UGI/MDC\_EAM\_ALL\_1909 for EAM 1909 release

### Note

Once this is activated successfully, it is not required to activate the individual BC-Sets provided under section 3.

Alternatively, you can choose to activate the individual BC-Sets as provided under section 3 using the following sequence and mode.

BC-Set	Sequence	Mode
/UGI/MDC_EAM_PROC_MODEL_920 and /UGI/MDC_EAM_PROC_MODEL_1909	1	Expert

/UGI/MDC_EAM_ADAPTERS_920		
/UGI/MDC_EAM_ADAPTERS_1909	2	Default
/UGI/MDC_EAM_CONFIG_MATCH_920	3	Expert
/UGI/MDC_EAM_BR_CONFIG_920	4	Default
/UGI/MDC_EAM_VF_CONFIG_920 and /UGI/MDC_EAM_VF_CONFIG_1909	5	Default
/UGI/MDC_EAM_ACT_CONFIG_920	6	Default
/UGI/MDC_EAM_PT_CONFIG_920	7	Default

## 3. MDQ Fiori Configuration

### 3.1. Prerequisites/Before You Start

Before you start using MDQ, make sure that the following prerequisite is fulfilled.

- Ensure that the MDC Configuration is completed.
- Ensure that **/UGI/** and **/UGIEAMUI/** namespace is modifiable. Transaction to verify the process is, SE03 transaction > Set system change option.

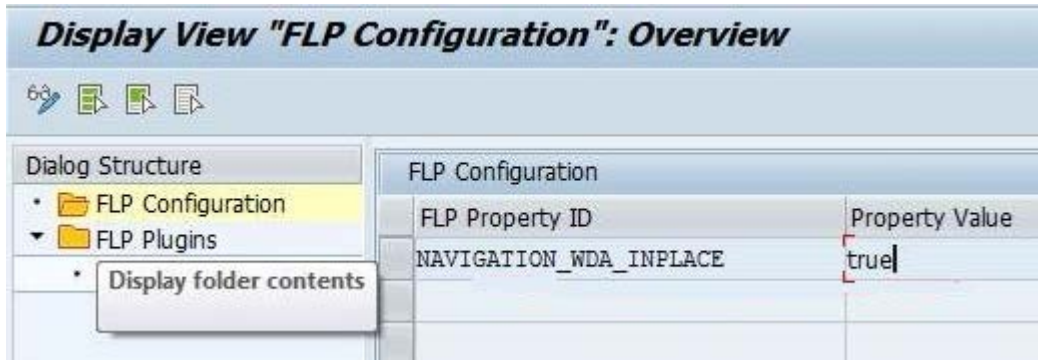
System Change Option		
Client Setting		
Global Setting	X Modifiable	
Software Component	Technical Name	Modifiable
MDG EAM Solution by Utopia	UGI	F Modifiable
SAP MDG SVM Extension by Utopia	UGI1	F Modifiable
MDG EAM Connector by Utopia	UGI3	F Modifiable
SAP Asset Information Workbench Extensio	UGI7	F Modifiable
AIW Fiori UI By Utopia	UGIAIWUI	F Modifiable
MDG EAM Fiori Fronted by Utopia	UGIEAMUI	F Modifiable
MDG EAM Fiori Integration by Utopia	UGIOD01	F Modifiable

#### 3.1.1. Prerequisite OSS Notes

1. OSS Note **0002403527** is used for BRF+ Navigations in the same window when launching from FIORI Application. Please follow the below steps:

To apply the settings in a single client, use transaction **/n/UI2/FLP\_CUS\_CONF**

1. Select Display > Change or enter CTRL+F1
2. Select New Entries
3. Add either of the following parameters or both:
  - i. NAVIGATION\_GUI\_INPLACE
  - ii. NAVIGATION\_WDA\_INPLACE
4. In the Type column, enter Boolean (True/False)
5. In the Property Value column, enter true
6. Hit Save or CTRL+S



2. Execute OSS Notes **0002833930** for Master Data Quality Rules and **0002837818** to display control to select UI Variants for Data Quality applications.

### 3.1.2. Prerequisite Services

For MDQ, ensure to activate the following services in SICF for Import and Export Applications to work.

Create/Change a Service

Path: /default\_host/sap/bc/ui5\_ui5/sap/

Service Name: nw\_aps\_apl ☒ Service (Active)

Lang.: English

Description

Description 1	Application Logs
Description 2	
Description 3	

Service Data Logon Data Handler List Error Pages Administration

Service Options

☐ Web Service

☒ Ignore inherited settings

Create/Change a Service

Path: /default\_host/sap/bc/ui5\_ui5/sap/

Service Name: nw\_aps\_apl\_lib ☒ Service (Active)

Lang.: English

Description

Description 1	Application Logs Reuse Library
Description 2	
Description 3	

Service Data Logon Data Handler List Error Pages Administration

Service Options

☐ Web Service

☒ Ignore inherited settings

Load Balancing

### 3.1.3. Roles For MDQ

To view the Master Data Quality applications, the following roles should be assigned.

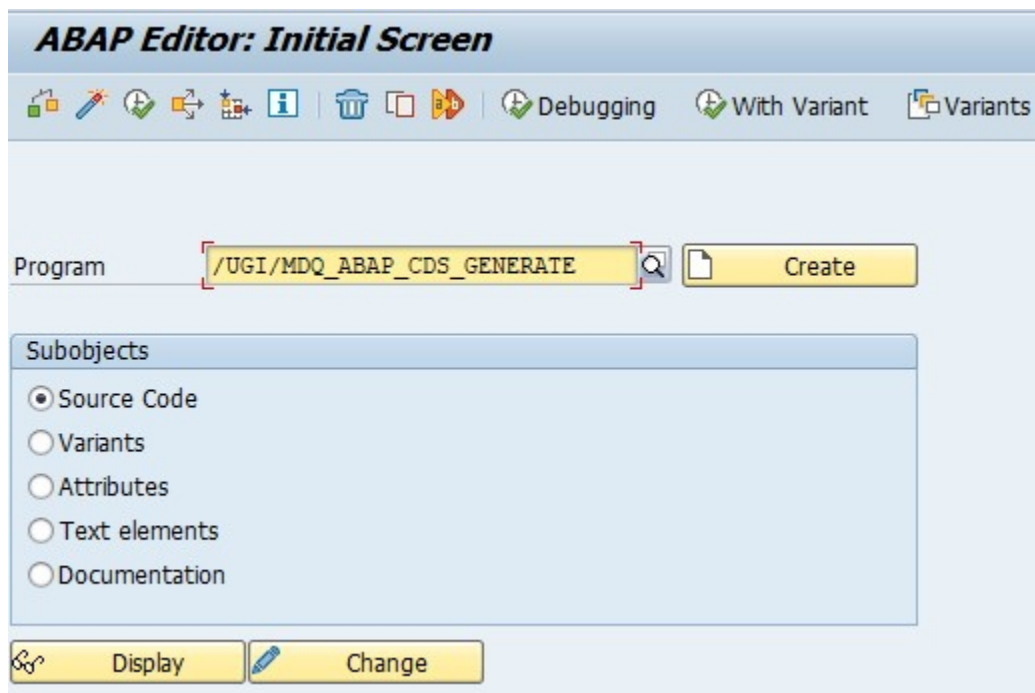
- /UGIEAMUI/SAP\_MDQ\_BCR\_COMM
- /UGIEAMUI/SAP\_MDQ\_BCR\_EQUI
- /UGIEAMUI/SAP\_MDQ\_BCR\_FLOC
- /UGIEAMUI/SAP\_MDQ\_BCR\_MBOM

## 3.2. ODATA Configurations for MDQ

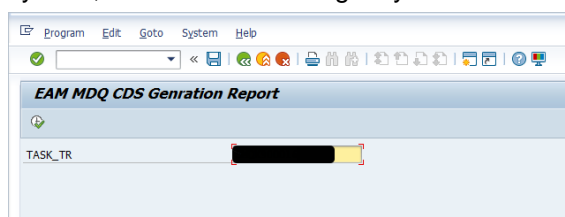
### 3.2.1. CDS Creations

Use the following steps to create the CDS Views for the Alternate Page Applications (ALP):

1. Create a Task in SE09 transaction code under a Workbench request. The task type should be Repair.
2. Execute the report /UGI/MDQ\_ABAP\_CDS\_GENERATE using SE38.



3. Enter the Task in the User Input of the report. If report asks for transport request for each CDS view activation use the same task created. Ensure that your TR has correctly configured target system, if not then leave target system blank and try to run the report again.



4. Required CDS Views are created.



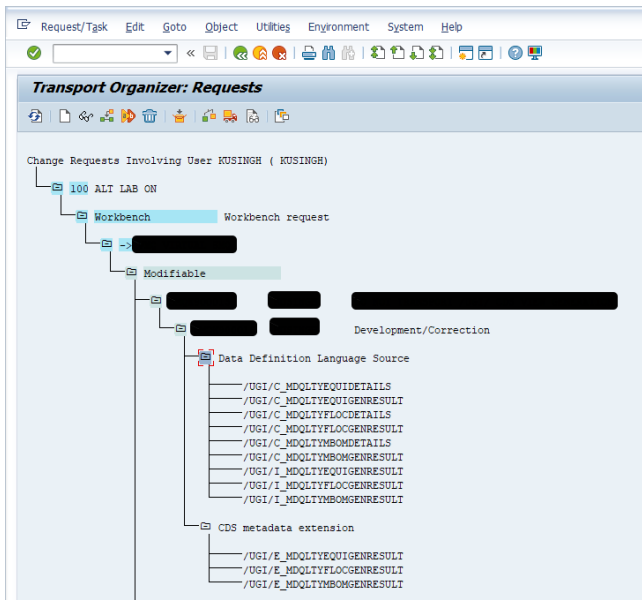
```

EAM MDQ CDS Genration Report

=====
EAM MDQ CDS Genration Report
=====
****Preparation for DDL : /UG1/I_MDQTYEQIIGENRESULT ****
****Reading source code for DDL : /UG1/I_MDQTYEQIIGENRESULT ****from standard text object****
****Attempting Save for DDL : /UG1/I_MDQTYEQIIGENRESULT ****
****Setting TADIR for DDL : /UG1/I_MDQTYEQIIGENRESULT ****
****Successfully Set TADIR for DDL : /UG1/I_MDQTYEQIIGENRESULT ****
****Save Successful for DDL : /UG1/I_MDQTYEQIIGENRESULT ****
****Adding to Transport DDL ****
****Successfully Added to Transport DDL ****
****Attempting Activate for DDL : /UG1/I_MDQTYEQIIGENRESULT ****
****Activate Successful for DDL : /UG1/I_MDQTYEQIIGENRESULT ****
=====
****Preparation for DDL : /UG1/C_MDQTYEQIIGENDETAILS ****
****Reading source code for DDL : /UG1/C_MDQTYEQIIGENDETAILS ****from standard text object****
****Attempting Save for DDL : /UG1/C_MDQTYEQIIGENDETAILS ****
****Setting TADIR for DDL : /UG1/C_MDQTYEQIIGENDETAILS ****
****Successfully Set TADIR for DDL : /UG1/C_MDQTYEQIIGENDETAILS ****
****Save Successful for DDL : /UG1/C_MDQTYEQIIGENDETAILS ****
****Adding to Transport DDL ****
****Successfully Added to Transport DDL ****
****Attempting Activate for DDL : /UG1/C_MDQTYEQIIGENDETAILS ****
****Activate Successful for DDL : /UG1/C_MDQTYEQIIGENDETAILS ****
=====
****Preparation for DDL : /UG1/I_MDQTYEQIIGENRESULT ****
****Reading source code for DDL : /UG1/I_MDQTYEQIIGENRESULT ****from standard text object****
****Attempting Save for DDL : /UG1/I_MDQTYEQIIGENRESULT ****
****Setting TADIR for DDL : /UG1/I_MDQTYEQIIGENRESULT ****
****Successfully Set TADIR for DDL : /UG1/I_MDQTYEQIIGENRESULT ****
****Save Successful for DDL : /UG1/I_MDQTYEQIIGENRESULT ****

```

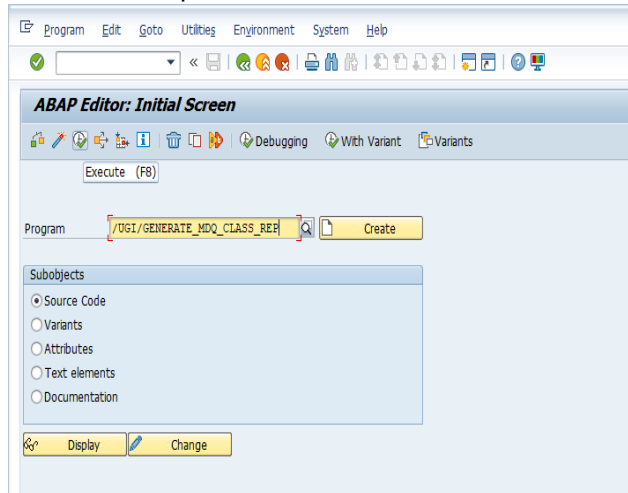
5. Verify by checking them in SE09.



### 3.2.2. SEGW Project's Class Generation

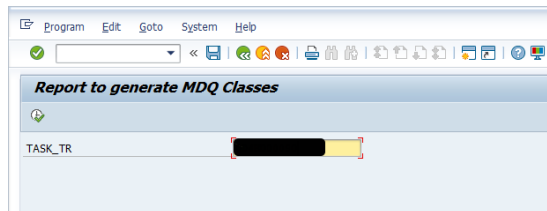
Creating SEGW Project's classes can be done by following below details.

Execute the report **/UGI/GENERATE\_MDQ\_CLASS\_REP** using SE38.

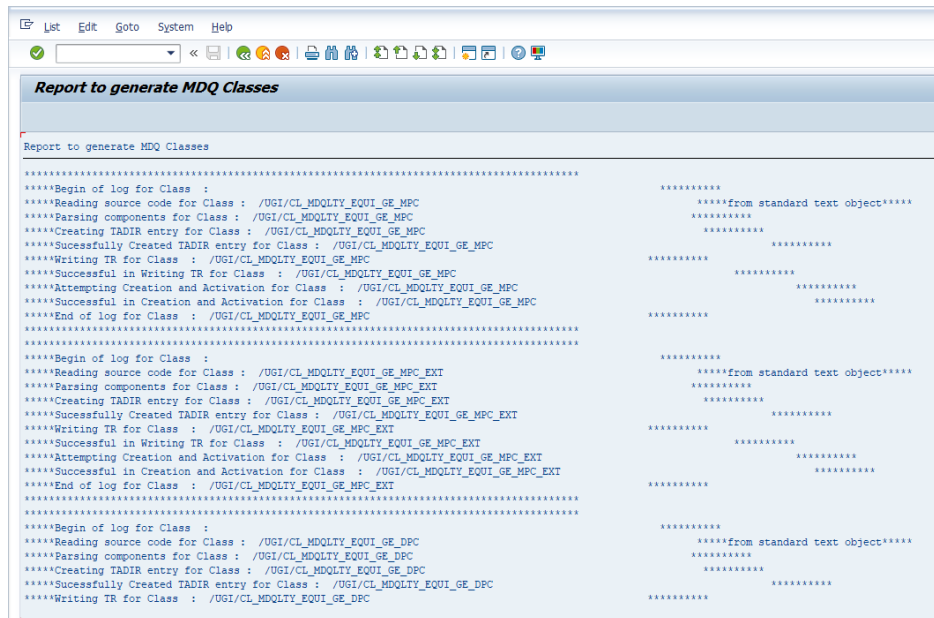


1. Create a Task in SE09 transaction code under a Workbench request. The task type should be Development/Correction.

Enter the Task in the User Input of the report.



2. Required SEGW Projects and their classes are created.



```

List Edit Goto System Help

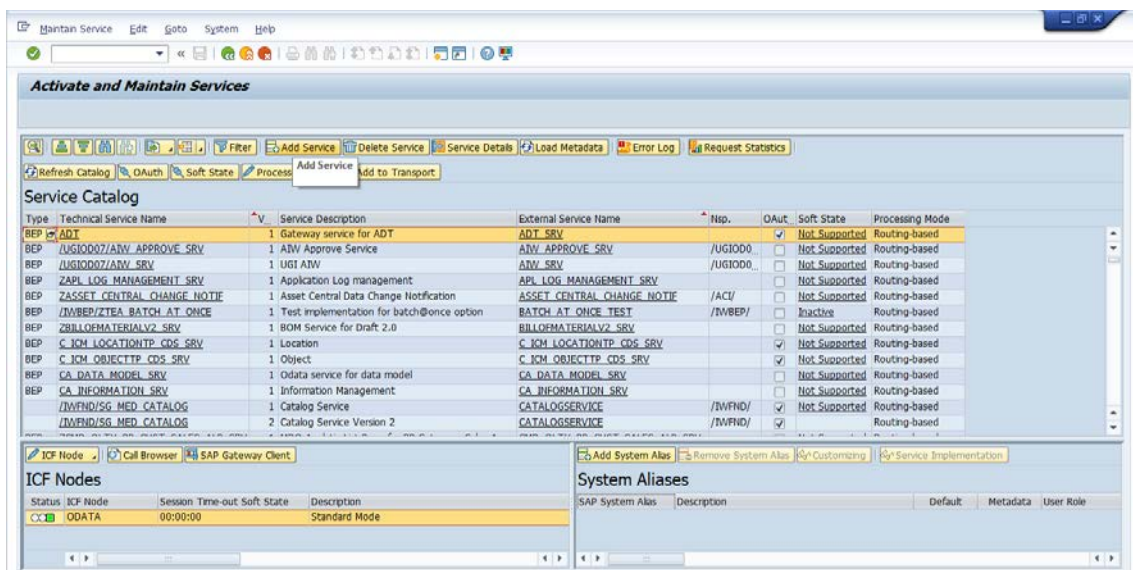
Report to generate MDQ Classes

Report to generate MDQ Classes

*****Writing TR for Class : /UGI/CL_MDQLTY_MBOM_GE_MPC_EXT *****
*****Successful in Writing TR for Class : /UGI/CL_MDQLTY_MBOM_GE_MPC_EXT *****
*****Attempting Creation and Activation for Class : /UGI/CL_MDQLTY_MBOM_GE_MPC_EXT *****
*****Successful in Creation and Activation for Class : /UGI/CL_MDQLTY_MBOM_GE_MPC_EXT *****
*****End of log for Class : /UGI/CL_MDQLTY_MBOM_GE_MPC_EXT *****
*****Begin of log for Class : *****
*****Reading source code for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC *****from standard text object*****
*****Parsing components for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC *****
*****Creating TADIR entry for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC *****
*****Successfully Created TADIR entry for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC *****
*****Writing TR for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC *****
*****Successful in Writing TR for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC *****
*****Attempting Creation and Activation for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC *****
*****Successful in Creation and Activation for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC *****
*****End of log for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC *****
*****Begin of log for Class : *****
*****Reading source code for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC_EXT *****from standard text object*****
*****Parsing components for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC_EXT *****
*****Creating TADIR entry for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC_EXT *****
*****Successfully Created TADIR entry for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC_EXT *****
*****Writing TR for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC_EXT *****
*****Successful in Writing TR for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC_EXT *****
*****Attempting Creation and Activation for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC_EXT *****
*****Successful in Creation and Activation for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC_EXT *****
*****End of log for Class : /UGI/CL_MDQLTY_MBOM_GE_DPC_EXT *****
*****Main Report Completed*****
  
```

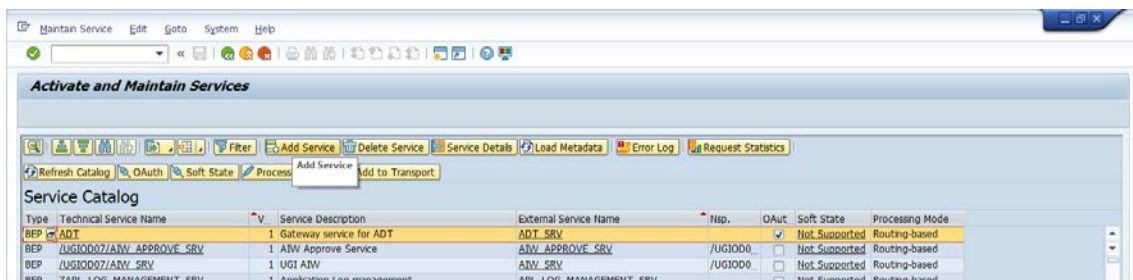
### 3.2.3. Activating Services in MAINT\_SERVICE

1. Go to Transaction /iwfnd/maint\_service



Type	Technical Service Name	Service Description	External Service Name	Nsp.	OAut	Soft State	Processing Mode
REP	/UGI0007/ANW_APPROVE_SRV	1 Gateway service for ADT	ADT_SRV		<input checked="" type="checkbox"/>	Not Supported	Routing-based
REP	/UGI0007/ANW_APPROVE_SRV	1 ANW Approve Service	ANW_APPROVE_SRV	/UGI000	<input type="checkbox"/>	Not Supported	Routing-based
REP	/UGI0007/ANW_SRV	1 UGI ANW	ANW_SRV	/UGI000	<input type="checkbox"/>	Not Supported	Routing-based
REP	ZAPL_LOG_MANAGEMENT_SRV	1 Application Log management	APL_LOG_MANAGEMENT_SRV		<input type="checkbox"/>	Not Supported	Routing-based
REP	ZASSET_CENTRAL_CHANGE_NOTICE	1 Asset Central Data Change Notification	ASSET_CENTRAL_CHANGE_NOTICE	/ACI/	<input type="checkbox"/>	Not Supported	Routing-based
REP	/IWBEP/ZTEA_BATCH_AT_ONCE	1 Test implementation for batch@once option	BATCH_AT_ONCE_TEST	/IWBEP/	<input type="checkbox"/>	Inactive	Routing-based
REP	ZBILLOMATERIALV2_SRV	1 BOM Service for Draft 2.0	BILLOMATERIALV2_SRV		<input type="checkbox"/>	Not Supported	Routing-based
REP	C_ICM_LOCATIONTP_CDS_SRV	1 Location	C_ICM_LOCATIONTP_CDS_SRV		<input checked="" type="checkbox"/>	Not Supported	Routing-based
REP	C_ICM_OBJECTTP_CDS_SRV	1 Object	C_ICM_OBJECTTP_CDS_SRV		<input checked="" type="checkbox"/>	Not Supported	Routing-based
REP	CA_DATA_MODEL_SRV	1 Odata service for data model	CA_DATA_MODEL_SRV		<input type="checkbox"/>	Not Supported	Routing-based
REP	CA_INFORMATION_SRV	1 Information Management	CA_INFORMATION_SRV		<input type="checkbox"/>	Not Supported	Routing-based
REP	/IWFND/SG_MED_CATALOG	1 Catalog Service	CATALOGSERVICE	/IWFND/	<input checked="" type="checkbox"/>	Not Supported	Routing-based
REP	/IWFND/SG_MED_CATALOG	2 Catalog Service Version 2	CATALOGSERVICE	/IWFND/	<input checked="" type="checkbox"/>	Not Supported	Routing-based

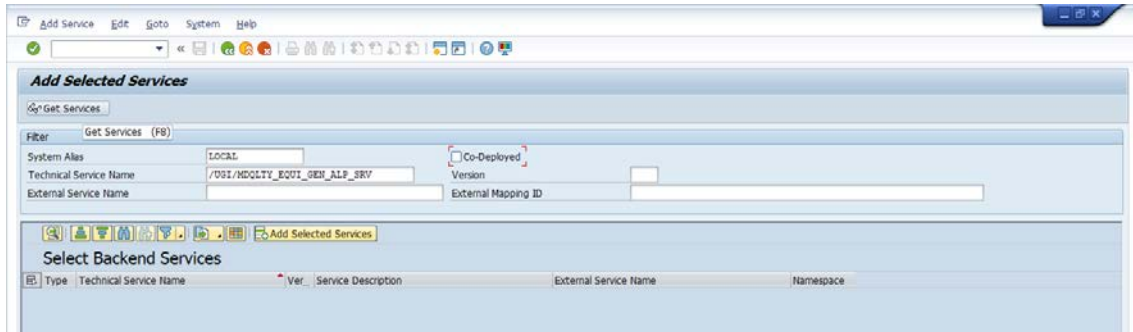
2. Add the service.



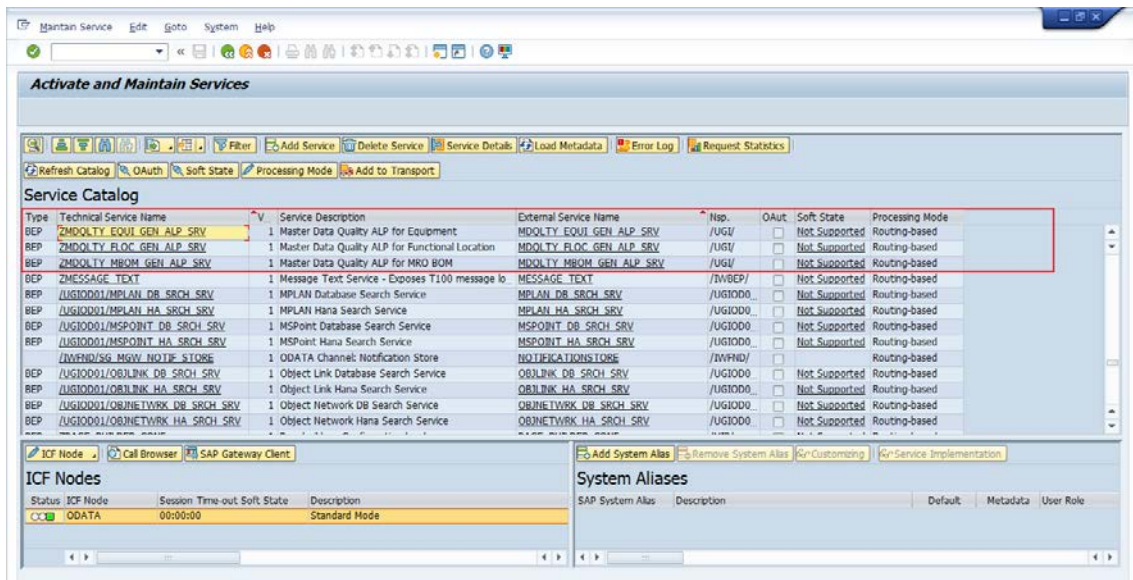
Type	Technical Service Name	Service Description	External Service Name	Nsp.	OAut	Soft State	Processing Mode
REP	/UGI0007/ANW_APPROVE_SRV	1 Gateway service for ADT	ADT_SRV		<input checked="" type="checkbox"/>	Not Supported	Routing-based
REP	/UGI0007/ANW_APPROVE_SRV	1 ANW Approve Service	ANW_APPROVE_SRV	/UGI000	<input type="checkbox"/>	Not Supported	Routing-based
REP	/UGI0007/ANW_SRV	1 UGI ANW	ANW_SRV	/UGI000	<input type="checkbox"/>	Not Supported	Routing-based
REP	ZAPL_LOG_MANAGEMENT_SRV	1 Application Log management	APL_LOG_MANAGEMENT_SRV		<input type="checkbox"/>	Not Supported	Routing-based

3. Enter the below details and click on Get services



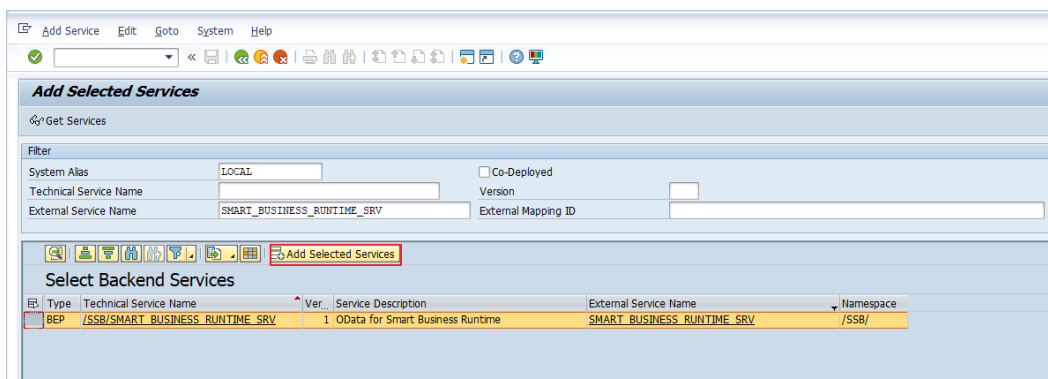


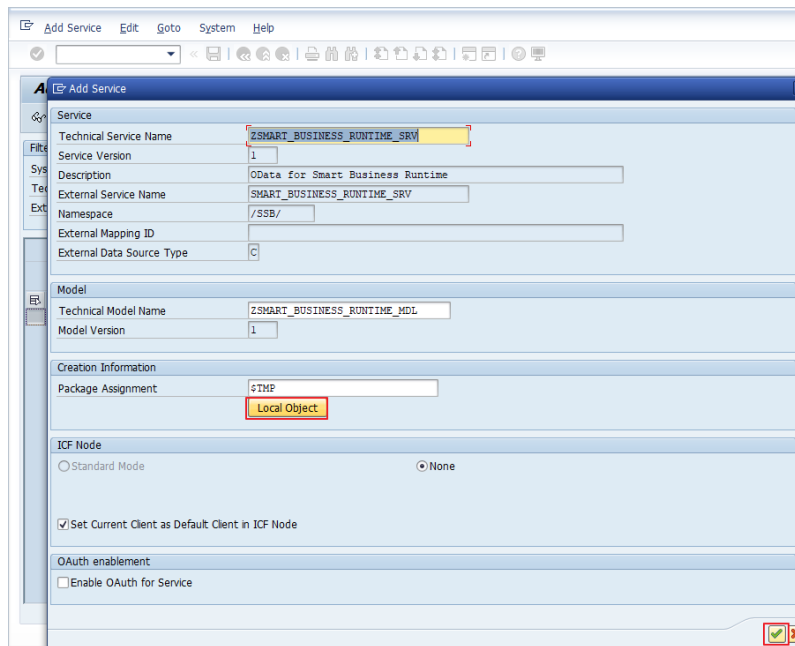
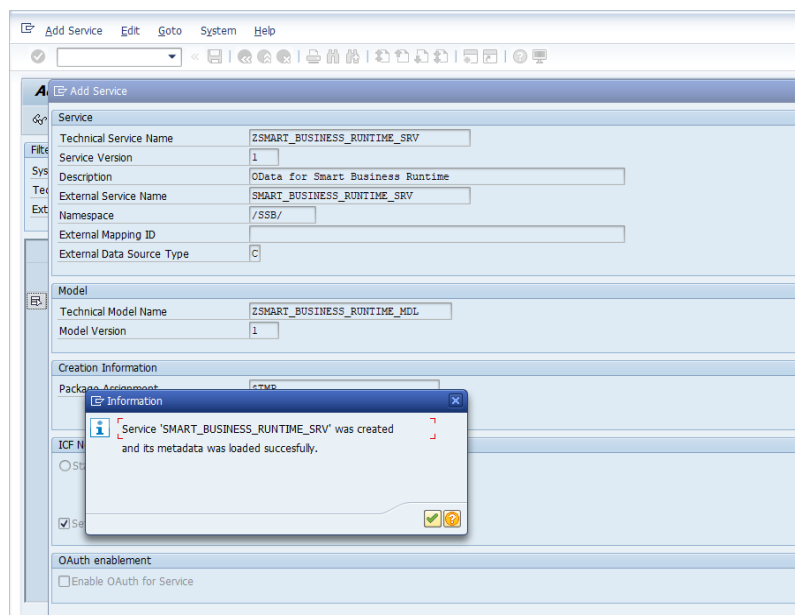
4. Select the service and click on Add selected services.
5. Do not change the generated name and select Local Object
6. Follow the same steps for the following highlighted services.
7. /UGI/MDQLTY\_EQUI\_GEN\_ALP\_SRV
8. /UGI/MDQLTY\_FLOC\_GEN\_ALP\_SRV
9. /UGI/MDQLTY\_MBOM\_GEN\_ALP\_SRV



Type	Technical Service Name	Service Description	External Service Name	Nsp.	OAut.	Soft State	Processing Mode
BEP	ZMDQLTY_EQUI_GEN_ALP_SRV	1 Master Data Quality ALP for Equipment	MDQLTY_EQUI_GEN_ALP_SRV	/UGI/	<input type="checkbox"/>	Not Supported	Routing-based
BEP	ZMDQLTY_FLOC_GEN_ALP_SRV	1 Master Data Quality ALP for Functional Location	MDQLTY_FLOC_GEN_ALP_SRV	/UGI/	<input type="checkbox"/>	Not Supported	Routing-based
BEP	ZMDQLTY_MBOM_GEN_ALP_SRV	1 Master Data Quality ALP for MRD BOM	MDQLTY_MBOM_GEN_ALP_SRV	/UGI/	<input type="checkbox"/>	Not Supported	Routing-based
BEP	ZMESSAGE_TEXT	1 Message Text Service - Exposes T100 message to	MESSAGE_TEXT	/IWBEPI	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/UGI0001/MPLAN_DB_SRCH_SRV	1 MPLAN Database Search Service	MPLAN_DB_SRCH_SRV	/UGI000	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/UGI0001/MPLAN_HA_SRCH_SRV	1 MPLAN Hana Search Service	MPLAN_HA_SRCH_SRV	/UGI000	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/UGI0001/MSPOINT_DB_SRCH_SRV	1 MSPoint Database Search Service	MSPOINT_DB_SRCH_SRV	/UGI000	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/UGI0001/MSPOINT_HA_SRCH_SRV	1 MSPoint Hana Search Service	MSPOINT_HA_SRCH_SRV	/UGI000	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/UGI0001/ODATA_CHANNEL_NOTIFICATION_STORE	1 ODATA Channel Notification Store	NOTIFICATIONS_STORE	/IWFND/	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/UGI0001/OBJLINK_DB_SRCH_SRV	1 Object Link Database Search Service	OBJLINK_DB_SRCH_SRV	/UGI000	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/UGI0001/OBJLINK_HA_SRCH_SRV	1 Object Link Hana Search Service	OBJLINK_HA_SRCH_SRV	/UGI000	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/UGI0001/OBJNETWORK_DB_SRCH_SRV	1 Object Network DB Search Service	OBJNETWORK_DB_SRCH_SRV	/UGI000	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/UGI0001/OBJNETWORK_HA_SRCH_SRV	1 Object Network Hana Search Service	OBJNETWORK_HA_SRCH_SRV	/UGI000	<input type="checkbox"/>	Not Supported	Routing-based

10. Activate these SAP standard services by following below steps:
11. SMART\_BUSINESS\_RUNTIME\_SRV is the external service name



12. Follow the same steps to activate following highlighted services.

External Service Names	System Alias
CMD_QLTY_RULES_SRV	LOCAL
CMD_QLTY_RULE_MINING_SRV	LOCAL
CMD_QLTY_RULE_IMPORT_SRV	LOCAL
CMD_QLTY_RULE_EXPORT_SRV	LOCAL
CMD_QLTY_MINED_RULE_SRV	LOCAL
CMD_QLTY_EVAL_OVP_SRV	LOCAL
CMD_QLTY_CONFIGN_SCORE_SRV	LOCAL

**Activate and Maintain Services**

Refresh Catalog OAuth Soft State Processing Mode Add to Transport

**Service Catalog**

Type	Technical Service Name	Service Description	External Service Name	Nsp.	OAuth	Soft State	Processing Mode
REP	CA_INFORMATION_SRV	1 Information Management	CA_INFORMATION_SRV			Not Supported	Routing-based
	/INPHD/SG_MED_CATALOG	1 Catalog Service	CATALOGSERVICE	/INPHD/		Not Supported	Routing-based
	/INPHD/SG_MED_CATALOG	2 Catalog Service Version 2	CATALOGSERVICE	/INPHD/		Not Supported	Routing-based
REP	ZCMD_OLTY_CONFIG_SCORE_SRV	1 Configure Data Quality Score Calculation for Master Data	ZCMD_OLTY_CONFIG_SCORE_SRV			Not Supported	Routing-based
REP	ZCMD_OLTY_EVAL_OVP_SRV	1 Master Data Quality Overview	ZCMD_OLTY_EVAL_OVP_SRV			Not Supported	Routing-based
REP	ZCMD_OLTY_MINED_RULE_SRV	1 Manage MDQ Mined Rules	ZCMD_OLTY_MINED_RULE_SRV			Not Supported	Routing-based
REP	ZCMD_OLTY_RULE_EXPORT_SRV	1 Master Data Quality Rule Export	ZCMD_OLTY_RULE_EXPORT_SRV			Not Supported	Routing-based
REP	ZCMD_OLTY_RULE_IMPORT_SRV	1 Master Data Quality Rule Import	ZCMD_OLTY_RULE_IMPORT_SRV			Not Supported	Routing-based
REP	ZCMD_OLTY_RULE_MINING_SRV	1 Manage MDQ Rule Mining Runs	ZCMD_OLTY_RULE_MINING_SRV			Not Supported	Routing-based
REP	ZCMD_OLTY_RULES_SRV	1 Master Data Quality Rules	ZCMD_OLTY_RULES_SRV			Not Supported	Routing-based
REP	EZEIE_CFG_MINGOL_SRV	1 ODATA Service for Manage Your Solution	EZEIE_CFG_MINGOL_SRV			Not Supported	Routing-based
REP	EZEIE_CFG_USAGE_SRV	1 Portal ODATA Service for Manage Your Solution	EZEIE_CFG_USAGE_SRV			Not Supported	Routing-based
REP	ZEAM_API_EXT_AIW	1 AIW External API for creating Change Request	EAM_API_EXT_AIW	/UGI/		Not Supported	Routing-based

ICF Node Call Browser SAP Gateway Client

**ICF Nodes**

Status	ICF Node	Session Time-out	Soft State	Description
CC	ODATA	00:00:00		Standard Mode

**System Aliases**

SAP System Alias	Description	Default	Metadata	User Role
LOCAL	Local System Alias			

Activating Services in SICF:

1. Go to Transaction code **SICF**.

**Define Services**

Filter for Calling ICF Hierarchy

Hierarchy Type: SERVICE

Virtual Host: DEFAULT\_HOST

Service Path:

Service Name:

Reference Service:

Description:

Language: English

Filter for Detail Information

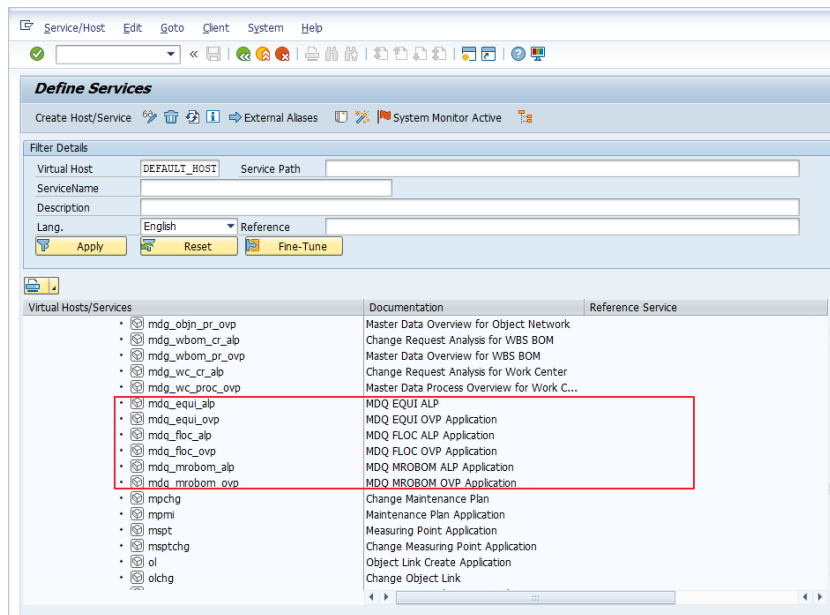
Created By:

Created On:

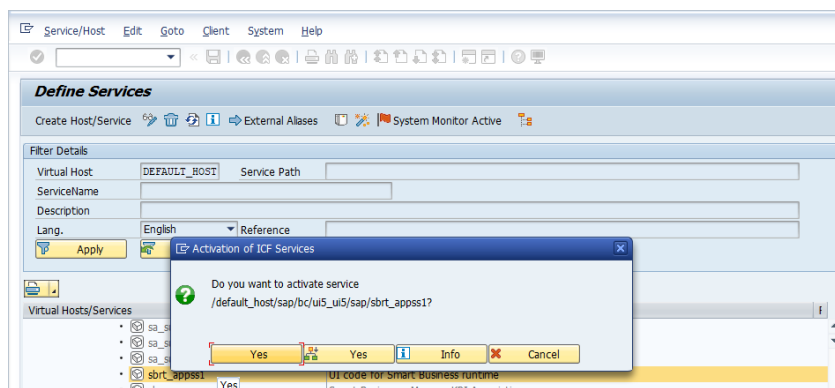
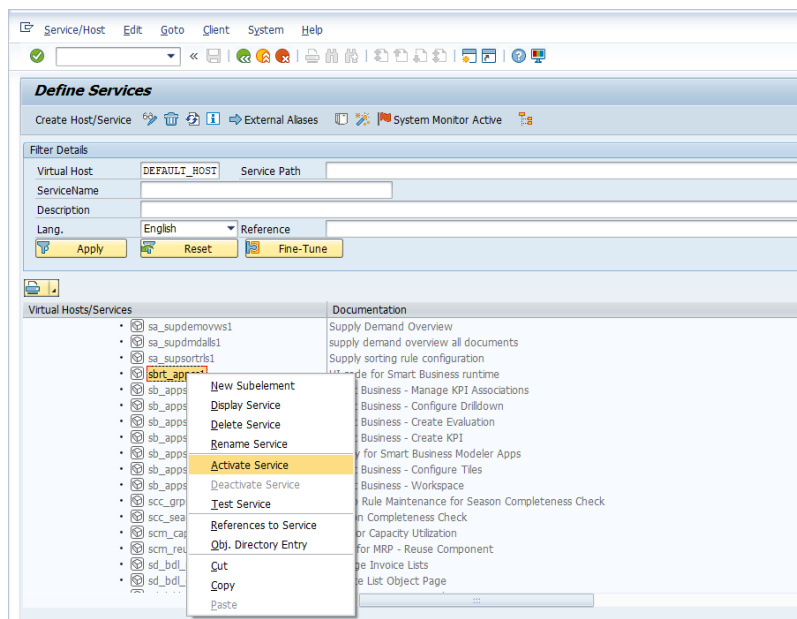
Last Changed By:

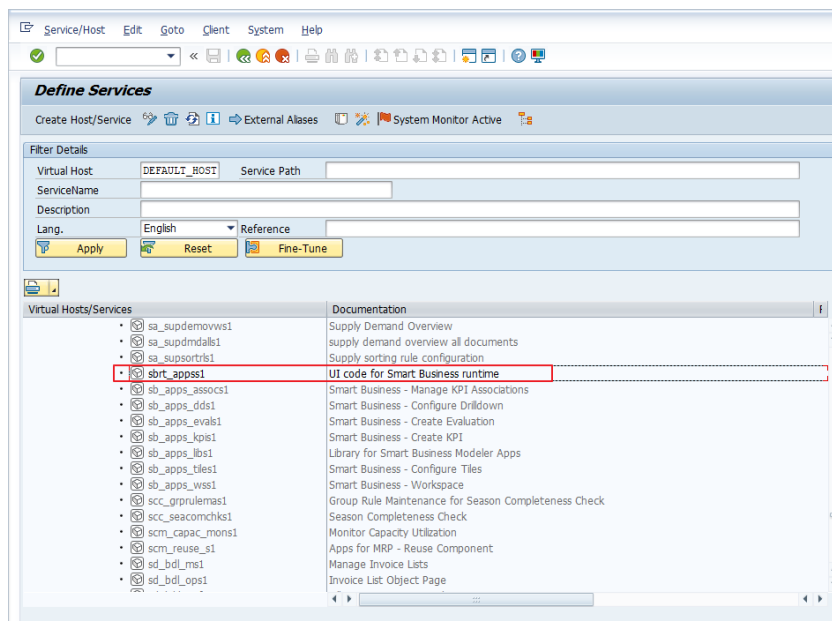
Changed On:

2. Follow the service path `/sap/bc/ui5_ui5/ugieamui/`.
3. Right-click on the following services and activate.

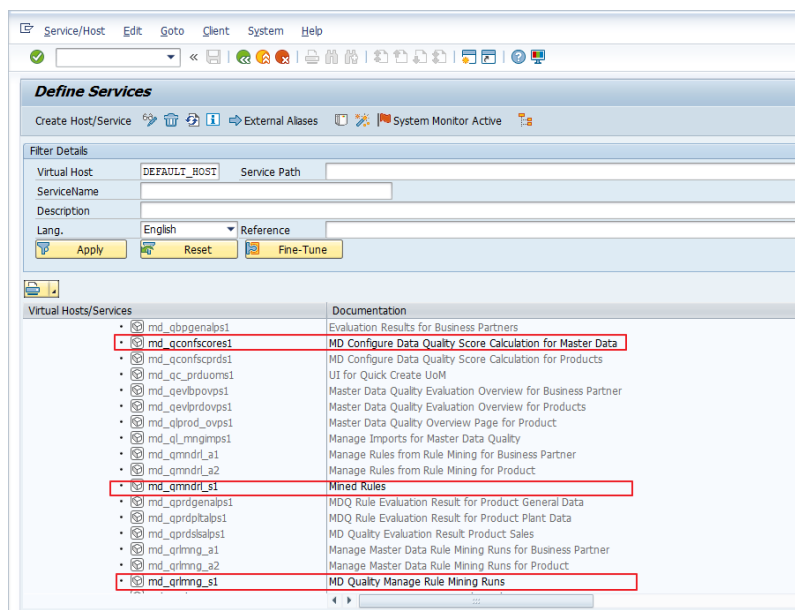


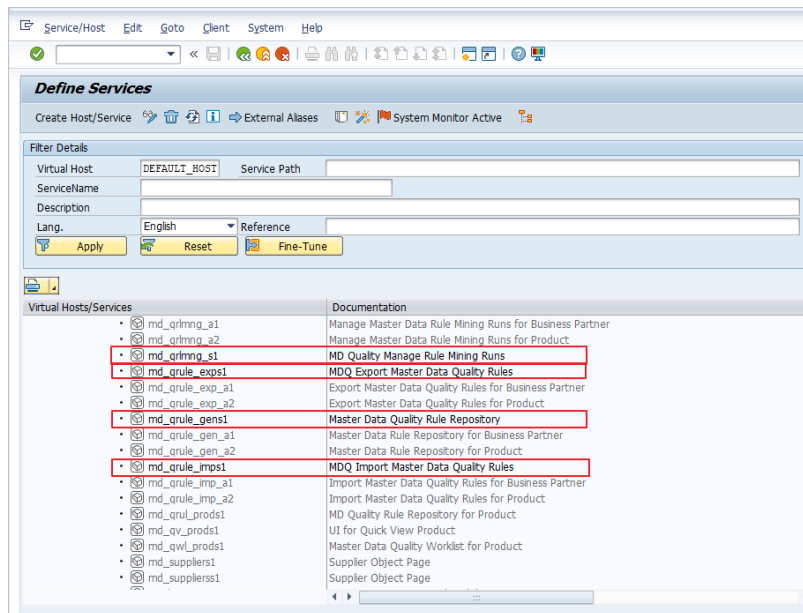
4. Follow the service path /sap/bc/ui5\_ui5/sap/.
5. Right-click on the following services and activate.





## 6. Follow similar steps for the other services

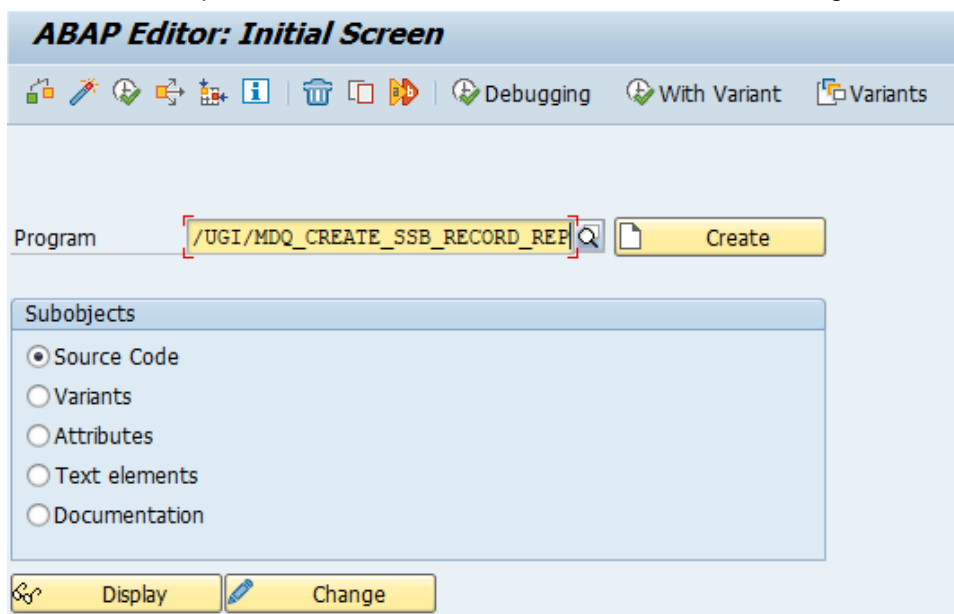




### 3.2.4. SSB Application Activation

To activate the SSB applications, follow the below steps:

1. Execute the report `/UGI/MDQ_CREATE_SSB_RECORD_REP` using SE38.



2. Enter the Task in the User Input of the report. Ensure that the TR is a workbench request and Task is Dev/correction type.





### 3. Required records are created.

Create Records of SSB
<p>Create Records of SSB</p> <pre> *****For table /SSB/DO_COLS_S *****from standard text object***** *****Reading records of DB table : /SSB/DO_COLS_S *****Written record: S,UGI.GLOBAL.CAT.TREND.EQUI,1,BC1D785F0EA6B882041D4B0A96C8B0C43E0F0BA,V.SCORE.BY.TIME.DIMENSION,MDQtyDimension,1,MDQtyDimension,2,,2,1,0,, *****Written record: S,UGI.GLOBAL.CAT.TREND.EQUI,1,47BC263B80C62C48087289918B0E5E5B5D64DDC,V.SCORE.BY.TIME.DIMENSION,MDChgProcessFinishDate,1,MDChgProcessFinishDate,2,,1,1,1,, *****Written record: S,UGI.GLOBAL.CAT.TREND.EQUI,1,42D0304353D3FF0EC07A59E5D8127A06CDFB92B,V.SCORE.BY.TIME.DIMENSION,MDQtyDimensionScore,2,MDQtyDimensionScore,2,,2,1,2,, *****Written record: S,UGI.GLOBAL.CAT.TREND.EQUI,1,30719300F4F2EFESA3A2E9A1FB6D620FD6FECB8,V.SCORE.BY.TIME.AND.RULE,MDQualityBusinessRule,1,MDQualityBusinessRule,2,,2,1,0,, *****Written record: S,UGI.GLOBAL.CAT.TREND.EQUI,1,40C54B982E5E73B9A4808EAF0622A263CEA9E9,V.SCORE.BY.TIME.AND.RULE,MDChgProcessFinishDate,1,MDChgProcessFinishDate,2,,1,1,1,, *****Written record: S,UGI.GLOBAL.CAT.TREND.EQUI,1,A399A88CA5776E9557C5020A265626979D47202,V.SCORE.BY.TIME.AND.RULE,MDQtyRuleScore,2,MDQtyRuleScore,2,,2,1,2,, *****Written record: S,UGI.GLOBAL.CAT.SCORE.EQUI,1,71A057582DAC4405DD9778FDAD76E12CF3C9E13,V.SCORE.BY.DIMENSION,MDQtyDimension,1,MDQtyDimension,2,,1,1,0,, *****Written record: S,UGI.GLOBAL.CAT.SCORE.EQUI,1,0636131D97684871C5C90AAB8FC8DCB5226A037,V.SCORE.BY.DIMENSION,MDQtyDimensionScore,2,MDQtyDimensionScore,2,,2,1,1,, *****Written record: S,UGI.GLOBAL.CAT.SCORE.EQUI,1,85617F4008B74930504C5D456E707E3E2D8D2A69,V.SCORE.BY.BASE.TABLE,MDQtyBusinessRuleBaseTable,1,MDQtyBusinessRuleBaseTable,2,,1,1,0,, *****Written record: S,UGI.GLOBAL.CAT.SCORE.EQUI,1,A4FB476F4B57EA2BFE72EDD49ABFE02973AE8,V.SCORE.BY.BASE.TABLE,MDQtyRuleScore,2,MDQtyRuleScore,2,,2,1,1,0,, *****Written record: S,UGI.GLOBAL.CAT.SCORE.EQUI,1,098B4DE266D09ABD4052DAD335FFCACE7735B34A,V.SCORE.BY.RULE,MDQualityBusinessRule,1,MDQualityBusinessRule,2,,1,1,0,, *****Written record: S,UGI.GLOBAL.CAT.SCORE.EQUI,1,FF919CDDFOACE92528CB941CC59D2A3248F83F,V.SCORE.BY.RULE,MDQtyRuleScore,2,MDQtyRuleScore,2,,2,1,1,, *****Written record: S,UGI.GLOBAL.CAT.TREND.FLOC,1,BC1D785F0EA6B882041D4B0A96C8B0C43E0F0BA,V.SCORE.BY.TIME.DIMENSION,MDQtyDimension,1,MDQtyDimension,2,,2,1,0,, *****Written record: S,UGI.GLOBAL.CAT.TREND.FLOC,1,47BC263B80C62C48087289918B0E5E5B5D64DDC,V.SCORE.BY.TIME.DIMENSION,MDChgProcessFinishDate,1,MDChgProcessFinishDate,2,,1,1,1,, *****Written record: S,UGI.GLOBAL.CAT.TREND.FLOC,1,42D0304353D3FF0EC07A59E5D8127A06CDFB92B,V.SCORE.BY.TIME.DIMENSION,MDQtyDimensionScore,2,MDQtyDimensionScore,2,,2,1,2,, *****Written record: S,UGI.GLOBAL.CAT.TREND.FLOC,1,30719300F4F2EFESA3A2E9A1FB6D620FD6FECB8,V.SCORE.BY.TIME.AND.RULE,MDQualityBusinessRule,1,MDQualityBusinessRule,2,,2,1,0,, *****Written record: S,UGI.GLOBAL.CAT.TREND.FLOC,1,40C54B982E5E73B9A4808EAF0622A263CEA9E9,V.SCORE.BY.TIME.AND.RULE,MDChgProcessFinishDate,1,MDChgProcessFinishDate,2,,1,1,1,, *****Written record: S,UGI.GLOBAL.CAT.TREND.FLOC,1,A399A88CA5776E9557C5020A265626979D47202,V.SCORE.BY.TIME.AND.RULE,MDQtyRuleScore,2,MDQtyRuleScore,2,,2,1,2,, *****Written record: S,UGI.DATA.QUALITY.SCORE.EQUI,1,07464C12D89CF23EFA4F7E4069C4084611A5980,V.SCORE.BY.CATEGORY,MDQtyDimensionCategory,1,MDQtyDimensionCategory,2,,1,1,0,, *****Written record: S,UGI.DATA.QUALITY.SCORE.EQUI,1,D03D87F0B8E54DAF74D8BAEF258C95471491B2,V.SCORE.BY.CATEGORY,MDQtyDimmCategoryScore,2,MDQtyDimmCategoryScore,2,,2,1,1,, *****Written record: S,UGI.DATA.QUALITY.SCORE.EQUI,1,71A057582DAC4405DD9778FDAD76E12CF3C9E13,V.SCORE.BY.DIMENSION,MDQtyDimension,1,MDQtyDimension,2,,1,1,0,, *****Written record: S,UGI.DATA.QUALITY.SCORE.EQUI,1,0636131D97684871C5C90AAB8FC8DCB5226A037,V.SCORE.BY.DIMENSION,MDQtyDimensionScore,2,MDQtyDimensionScore,2,,2,1,1,, *****Written record: S,UGI.DATA.QUALITY.SCORE.EQUI,1,85617F4008B74930504C5D456E707E3E2D8D2A69,V.SCORE.BY.BASE.TABLE,MDQtyBusinessRuleBaseTable,1,MDQtyBusinessRuleBaseTable,2,,1,1,0,, </pre>
Create Records of SSB
<p>Create Records of SSB</p> <pre> *****Written record: UGI.GLOBAL.CAT.SCORE.FLOC,1,EV,4279E3C1F3600319F512009D9D4BEFAEAD6257,MDQualityEvaluation,display, *****Number of Records written: 9 ***** *****END OF table /SSB/NAV_INTNT_S ***** *****For table /SSB/RPT_CONF_S *****from standard text object***** *****Reading records of DB table : /SSB/RPT_CONF_S *****Written record: UGI.GLOBAL.CAT.TREND.EQUI,1,0,UGI.GLOBAL.CAT.TREND.EQUI,0,,,,,0,,IGONZALEZ,20190927135801.2262710,,IGONZALEZ,20190927125801.2262690,,0000, *****Written record: UGI.GLOBAL.CAT.SCORE.EQUI,1,0,UGI.GLOBAL.CAT.SCORE.EQUI,0,,,,,0,,IGONZALEZ,20190927130632.4604550,,IGONZALEZ,20190927130632.4604530,,0000, *****Written record: UGI.GLOBAL.CAT.TREND.FLOC,1,0,UGI.GLOBAL.CAT.TREND.FLOC,0,,,,,0,,IGONZALEZ,20190927165650.6891900,,IGONZALEZ,20190927165650.6891880,,0000, *****Written record: UGI.GLOBAL.CAT.TREND.FLOC,1,0,UGI.GLOBAL.CAT.TREND.FLOC,0,,,,,0,,IGONZALEZ,20190927131933.3600110,,IGONZALEZ,20190927171013.3548130,,0000, *****Written record: UGI.GLOBAL.CAT.TREND.FLOC,1,0,UGI.GLOBAL.CAT.TREND.FLOC,0,,,,,0,,IGONZALEZ,20190927170941.7418140,,IGONZALEZ,20190927171013.3548130,,0000, *****Written record: UGI.GLOBAL.CAT.TREND.FLOC,1,0,UGI.GLOBAL.CAT.TREND.FLOC,0,,,,,0,,IGONZALEZ,20190927204546.4611370,,IGONZALEZ,20190927204546.4611360,,0000, *****Written record: UGI.GLOBAL.CAT.TREND.FLOC,1,0,UGI.GLOBAL.CAT.TREND.FLOC,0,,,,,0,,IGONZALEZ,20190927205254.9006640,,IGONZALEZ,20190927205254.9006620,,0000, *****Written record: UGI.GLOBAL.CAT.TREND.FLOC,1,0,UGI.GLOBAL.CAT.TREND.FLOC,0,,,,,0,,IGONZALEZ,20190927205935.1897350,,IGONZALEZ,20190927205935.1897330,,0000, *****Written record: UGI.GLOBAL.CAT.TREND.FLOC,1,0,UGI.GLOBAL.CAT.TREND.FLOC,0,,,,,0,,IGONZALEZ,20190927170237.0886450,,IGONZALEZ,20190927214150.8141410,,0000, *****Number of Records written: 9 ***** *****END OF table /SSB/RPT_CONF_S ***** *****For table /SSB/RPT_CONF_S *****from standard text object***** *****Reading records of DB table : /SSB/RPT_CONF_S *****Written record: UGI.GLOBAL.CAT.TREND.EQUI,1,E,Data Quality Score for Equipments,Global Category Trend,Data Quality Trend for Global Category, *****Written record: UGI.GLOBAL.CAT.TREND.FLOC,1,E,Data Quality Score for Equipments,Global Category Score,Data Quality Score for Global Category, *****Written record: UGI.GLOBAL.CAT.TREND.FLOC,1,E,Data Quality Score for Funct. Locations,Global Category Trend,Data Quality Trend for Global Category, *****Written record: UGI.GLOBAL.CAT.TREND.FLOC,1,E,Data Quality Score for Funct. Locations,Global Category Score,Data Quality Score for Global Category, *****Written record: UGI.GLOBAL.CAT.TREND.FLOC,1,E,Data Quality Score for Funct. Locations,Data Quality Score,Data Quality Score for Functional Locations for all Categories, *****Written record: UGI.GLOBAL.CAT.TREND.FLOC,1,E,Data Quality Score for Funct. Locations,Data Quality Score,Data Quality Score for Functional Locations for all Categories, *****Written record: UGI.GLOBAL.CAT.TREND.FLOC,1,E,Data Quality Score for MRO BOMs,Global Category Trend,Data Quality Trend for Global Category, *****Written record: UGI.GLOBAL.CAT.TREND.FLOC,1,E,Data Quality Score for MRO BOMs,Global Category Score,Data Quality Score for Global Category, *****Written record: UGI.GLOBAL.CAT.TREND.FLOC,1,E,Data Quality Score for MRO BOMs,Data Quality Score,Data Quality Score for MRO BOMs for all Categories, *****Written record: UGI.GLOBAL.CAT.TREND.FLOC,1,E,Data Quality Score for Funct. Locations,Global Category Score,Data Quality Score for Global Category, *****Number of Records written: 9 ***** *****END OF table /SSB/RPT_CONF_S ***** WRITE Changes to TR successful Report Completed </pre>

### 3.2.5. Data Quality Rules Usage in MDG Checks (Optional)

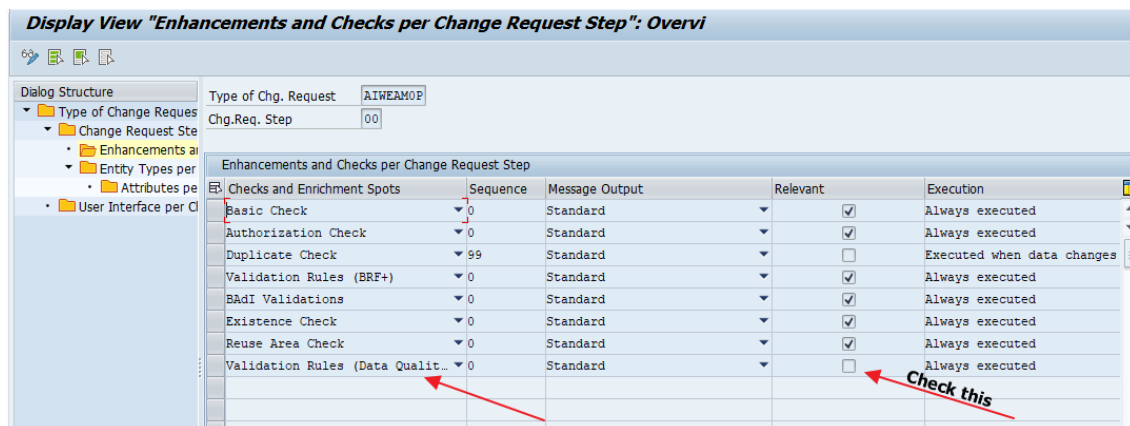
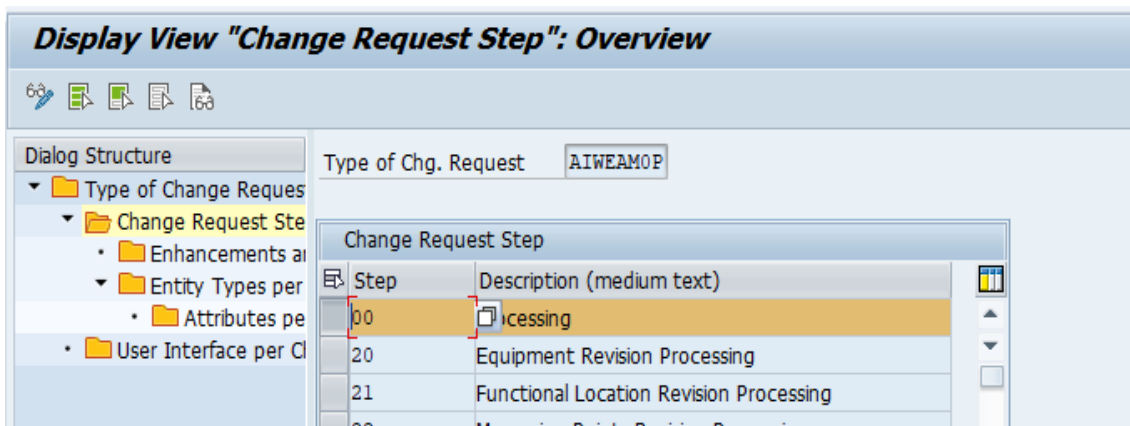
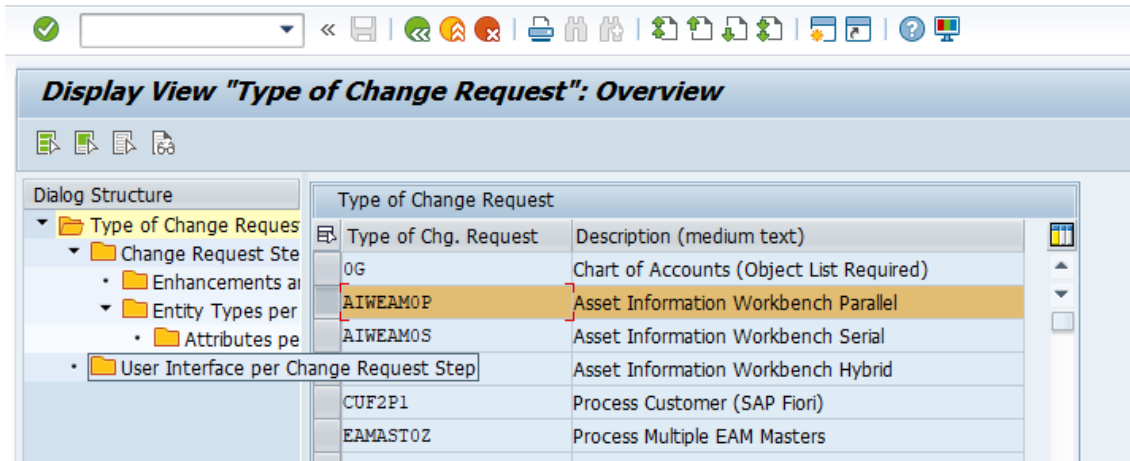
MDQ rules that were created in the MDQ rule creation Fiori application, can be called for the governance checks in MDG through the EAM/AIW change requests. For this, the created rules must be enabled with “Check in Change Requests” in the MDQ Rule creation Fiori app.

Once the Rules are enabled with the change request check, the validations of the rules in MDG can be called at the steps that are defined at MDGIMG transaction configuration.

#### Note

Just marking a rule in the MDQ Rule app as “enabled” for “Check in Change Requests” does not mean that rule will be executed in MDG change request.

For Example, refer the following images for a sample configuration of calling MDQ Rules, in AIWEAMOP CR type and step 00 (processing step).



### 3.3. BC-Set Activation for MDQ

1. Enter the transaction code SPCR20.
2. Enter the name of the BC Set /UGI/ADQ-EVA-PRC-1909.
3. Choose Bus.Conf. Set > Activate or the Activate pushbutton (if you face any issues the first time, then please try to activate again OR activate the 3 contained BC sets one by one)

## Appendix 1: Application Details of MDC

The following section list app-specific data required to configure each application.

- [Import Data for Consolidation - MBOM](#)



- [Manage Imports for Consolidation – MBOM](#)
- [Create Consolidation Process – MBOM](#)
- [Manage Consolidation Process – MBOM](#)
- [Start Mass Processing – MBOM](#)
- [Manage Mass Processing – MBOM](#)
- [Import Data for Consolidation - Equipment](#)
- [Manage Imports for Consolidation – Equipment](#)
- [Create Consolidation Process – Equipment](#)
- [Manage Consolidation Process – Equipment](#)
- [Start Mass Processing – Equipment](#)
- [Manage Mass Processing - Equipment](#)
- [Import Data for Consolidation – Functional Location](#)
- [Manage Imports for Consolidation – Functional Location](#)
- [Create Consolidation Process – Functional Location](#)
- [Manage Consolidation Process – FUNCTIONAL LOCATION](#)
- [Start Mass Processing – FUNCTIONAL LOCATION](#)
- [Manage Mass Processing - FUNCTIONAL LOCATION](#)
- [MDC Fiori App Launchpad](#)
- [Additional Steps](#)
- [Implementing Master Data Consolidation and Mass Processing apps for EAM Objects](#)

## Import Data for Consolidation - MBOM

This is a transactional application and you can upload file for consolidation using this. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation(MDC).

### Key Features

The significant features for the application can be listed as following:

- Lean form for a user new to MDC (Import)
- Option to upload data for Consolidation.
- Option to download File Template.
- The F4 help in the form accepts manual entry and displays corresponding field description.
- Option to stop and check for validation while import.

### Technical Features

The technical features for the application can be listed as following:

- Check for validation while importing file is supported.
- Application enables you to upload documents.



#### Note

- For security reasons, SAP recommends you to install the appropriate virus scanner in the respective Back-end system and define sufficiently restrictive scan profiles to prevent the upload of malicious content.  
For more information about virus scanning and scan profiles for SAP Fiori apps, refer [Virus Scanning](#).

## Product Features

A general business user having no master data knowledge or SAP MDC application knowledge can Import data for consolidation.

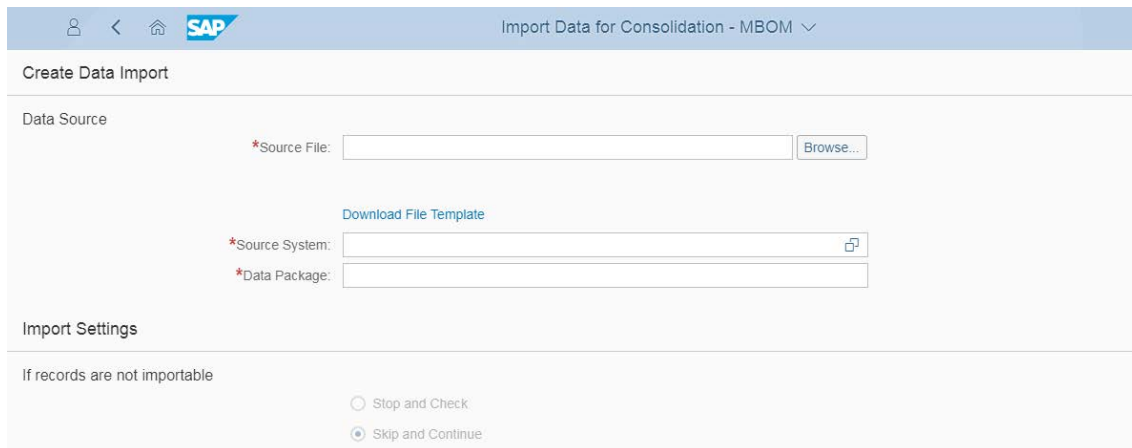


Figure 1: MDC MBOM Fiori App – Import Data for Consolidation

## Configuration Details

The following sections list app-specific data required to configure the application.

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the Front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/IMPORTDATA

### SAP Fiori Launchpad

You require the following data to enable users to access the app in the SAP Fiori MDC Launchpad.

## Technical Configuration

Component	Technical Name
Technical Catalog	/UGIEAMUI/SAP_MDC_BC_MBOM_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_BOM
Semantic Object	MasterData
Action	import
SAPUI5 Application	/UGIEAMUI/IMPORTDATA

Component	Technical Name	Description
Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDC_BC_MBOM_MONPROCS	CMD - Consolidation and Mass Processing for MBOM Data

Business Group (Launchpad)	/UGIEAMUI/SAP_MDC_BCG_MBOM_MONPROCS	Consolidation and Mass Processing for MBOM Data
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDC_BCR_BOM	Mass Processing and Consolidation for BOM (MDC) – Apps

## OData Services

You must activate the following OData services on the Front-end server.



Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_EAM_IMPORT_SRV	001

## Implementation Tasks

The following tasks are performed to implement the required components of the application. The following tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG MDC OData services would be available under ICF node:  
/DEFAULT\_HOST/SAP/OPU/ODATA/UGI//UGI/MDC\_EAM\_IMPORT\_SRV

Component	Technical Name
OData Service (Version Number)	/UGI/MDC_EAM_IMPORT_SRV (001)

### Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node: /sap/bc/ui5\_ui5/ugieamui/importdata

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/IMPORTDATA

## Manage Imports for Consolidation - MBOM

This is a transactional application and you can manage imports for consolidation using this. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation (MDC).

## Key Features

The significant features for the application can be listed as following:

- Manage imports for a user new to MDC for MBOM object.
- Check status of import and number of records for each import.
- Option to add or delete imports containing data.

- Option to search or filter imports as required.

## Technical Features

The technical features for the application can be listed as following:

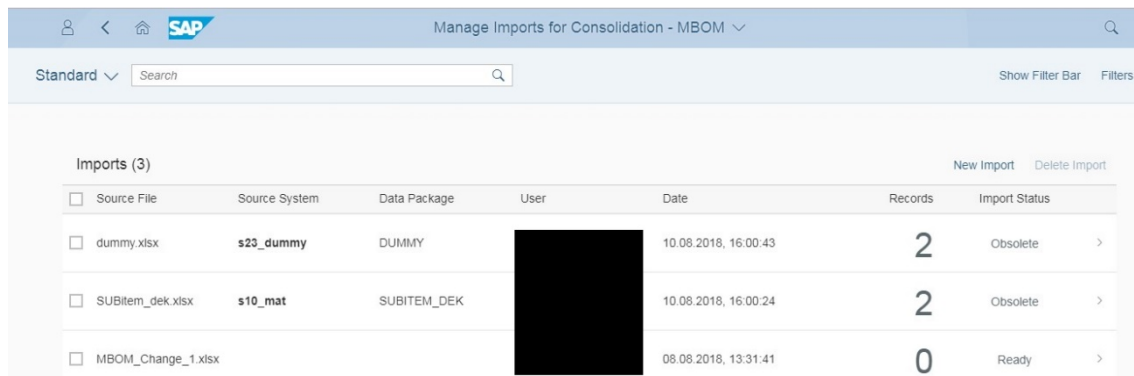
- Manage imports for consolidation and mass processing is supported.
- The application enables you to import or delete records.

### Note

- For security reasons, SAP recommends you to install the appropriate virus scanner in the respective Back-end system and define sufficiently restrictive scan profiles to prevent the upload of malicious content.  
For more information about virus scanning and scan profiles for SAP Fiori apps, refer [Virus Scanning](#).

## Product Features

A general business user having no master data knowledge or SAP MDC application knowledge can manage MBOM records.



Imports (3)							New Import	Delete Import
<input type="checkbox"/>	Source File	Source System	Data Package	User	Date	Records	Import Status	
<input type="checkbox"/>	dummy.xlsx	s23_dummy	DUMMY	[Redacted]	10.08.2018, 16:00:43	2	Obsolete	>
<input type="checkbox"/>	SUBitem_dek.xlsx	s10_mat	SUBITEM_DEK	[Redacted]	10.08.2018, 16:00:24	2	Obsolete	>
<input type="checkbox"/>	MBOM_Change_1.xlsx			[Redacted]	08.08.2018, 13:31:41	0	Ready	>

Figure 2: MDC MBOM Fiori App – Manage Imports for Consolidation

## Configuration Details

The following sections list app-specific data required to configure the application.

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the frontend server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/IMPORTDATA

### SAP Fiori Launchpad

You require the following data to enable the users to access the app in the SAP Fiori FMS Launchpad.

## Technical Configuration

Component	Technical Name
Technical Catalog	/UGIEAMUI/SAP_MDC_BC_MBOM_MONPROCS

Component	Technical Name
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_BOM
Semantic Object	MasterData
Action	import
SAPUI5 Application	/UGIEAMUI/IMPORTDATA

Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDC_BC_MBOM_MONPROCS	CMD - Consolidation and Mass Processing for MBOM Data
Business Group (Launchpad)	/UGIEAMUI/SAP_MDC_BCG_MBOM_MONPROCS	Consolidation and Mass Processing for MBOM Data
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDC_BCR_BOM	Mass Processing and Consolidation for BOM (MDC) - Apps

## OData Services

You must activate the following OData services on the Front-end server.

### Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_EAM_IMPORT_SRV	001

## Implementation Tasks

The following tasks are performed to implement the required components of the application. The following tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG MDC OData services would be available under ICF node:  
/DEFAULT\_HOST/SAP/OPU/ODATA//UGI/MDC\_EAM\_IMPORT\_SRV

Component	Technical Name
OData Service (Version Number)	/UGI/MDC_EAM_IMPORT_SRV (001)

### Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node: /sap/bc/ui5\_ui5/ugieamui/importdata

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/IMPORTDATA

## Create Consolidation Process - MBOM

This application is used for creating consolidation process for new MBOM records. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation (MDC).

## Key Features

The significant features for the application can be listed as following:

- Lean create consolidation process form for a user new to MDC (Article).
- Option to delete or keep source data.
- The F4 help in the form accepts manual entry and displays corresponding field description.

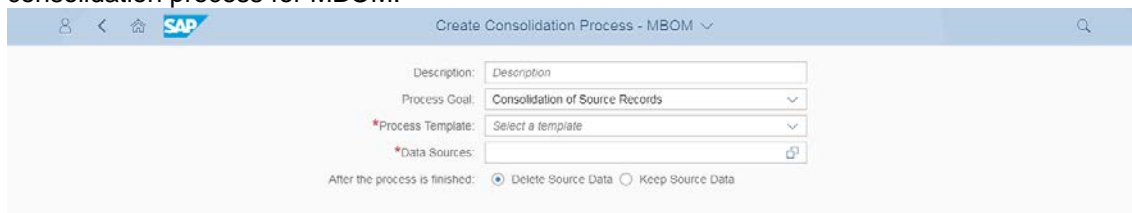
## Technical Features

The technical features for the application can be listed as following:

- Consolidation create process with template and data sources are supported.

## Product Features

A general business user with no master data knowledge or SAP MDC application knowledge can create consolidation process for MBOM.



The screenshot shows the SAP Fiori app interface for 'Create Consolidation Process - MBOM'. The form includes the following fields:

- Description: A text input field.
- Process Goal: A dropdown menu with 'Consolidation of Source Records' selected.
- \*Process Template: A dropdown menu with 'Select a template' selected.
- \*Data Sources: A field with a magnifying glass icon for search.
- After the process is finished: Two radio buttons, 'Delete Source Data' (selected) and 'Keep Source Data'.

Figure 3: MDC MBOM Fiori App – Create Consolidation Process

## Configuration Details

The following sections list app-specific data required to configure the application:

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the Front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

### SAP Fiori Launchpad

You require the following data to enable users to access the app in the SAP Fiori MDC Launchpad.

## Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDC_BC_MBOM_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_BOM

Semantic Object	MasterData
Action	consolidate
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDC_BC_MBOM_MONPROCS	CMD - Consolidation and Mass Processing for MBOM Data
Business Group (Launchpad)	/UGIEAMUI/SAP_MDC_BCG_MBOM_MONPROCS	Consolidation and Mass Processing for MBOM Data
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDC_BCR_BOM	Mass Processing and Consolidation for BOM (MDC) – Apps

## OData Services

You must activate the following OData services on the Front-end server.

### Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_PROCESS_SRV__237	001

## Implementation Tasks

The following tasks are performed to implement the required components of the app. The following tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG MDC UI5 Application is available under ICF node:  
/default\_host/sap/opu/odata/ugi/mdc\_process\_srv\_\_237.

Component	Technical Name
OData Service (Version Number)	/UGI/MDC_PROCESS_SRV__237 (001)

### Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node:  
/default\_host/sap/bc/ui5\_ui5/ugieamui/mdc\_process\_eam

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

## Manage Consolidation Process - MBOM

This is a transactional application used to manage processes for consolidation. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation (MDC).

### Key Features

The significant features for the application can be listed as following:

- Process table for a user new to MDC (MBOM).
- Option to create or delete process.
- On navigation, users can check for validations, activations or replications.
- Rollback or deletion of any process is supported.

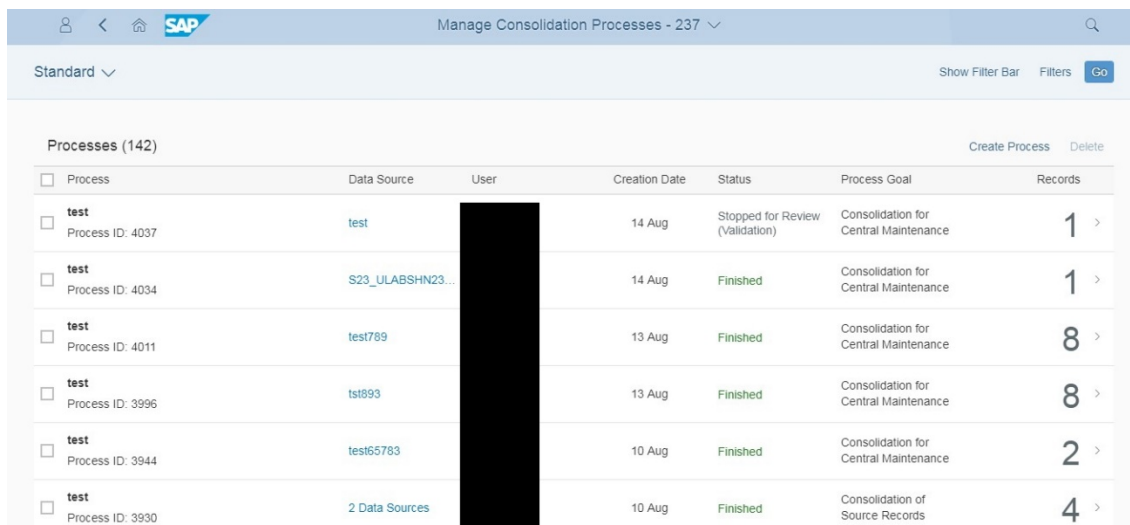
### Technical Features

The technical features for the application can be listed as following:

- Filter or search of process is supported.
- Creation or deletion of process is supported.

### Product Features

A general business user with no master data knowledge or SAP MDC application knowledge can manage process and activate it.



Process	Data Source	User	Creation Date	Status	Process Goal	Records
<input type="checkbox"/> test Process ID: 4037	test	[Redacted]	14 Aug	Stopped for Review (Validation)	Consolidation for Central Maintenance	1 >
<input type="checkbox"/> test Process ID: 4034	S23_ULABSHN23...	[Redacted]	14 Aug	Finished	Consolidation for Central Maintenance	1 >
<input type="checkbox"/> test Process ID: 4011	test789	[Redacted]	13 Aug	Finished	Consolidation for Central Maintenance	8 >
<input type="checkbox"/> test Process ID: 3996	tst893	[Redacted]	13 Aug	Finished	Consolidation for Central Maintenance	8 >
<input type="checkbox"/> test Process ID: 3944	test65783	[Redacted]	10 Aug	Finished	Consolidation for Central Maintenance	2 >
<input type="checkbox"/> test Process ID: 3930	2 Data Sources	[Redacted]	10 Aug	Finished	Consolidation of Source Records	4 >

Figure 4: MDC MBOM Fiori App – Consolidation Process



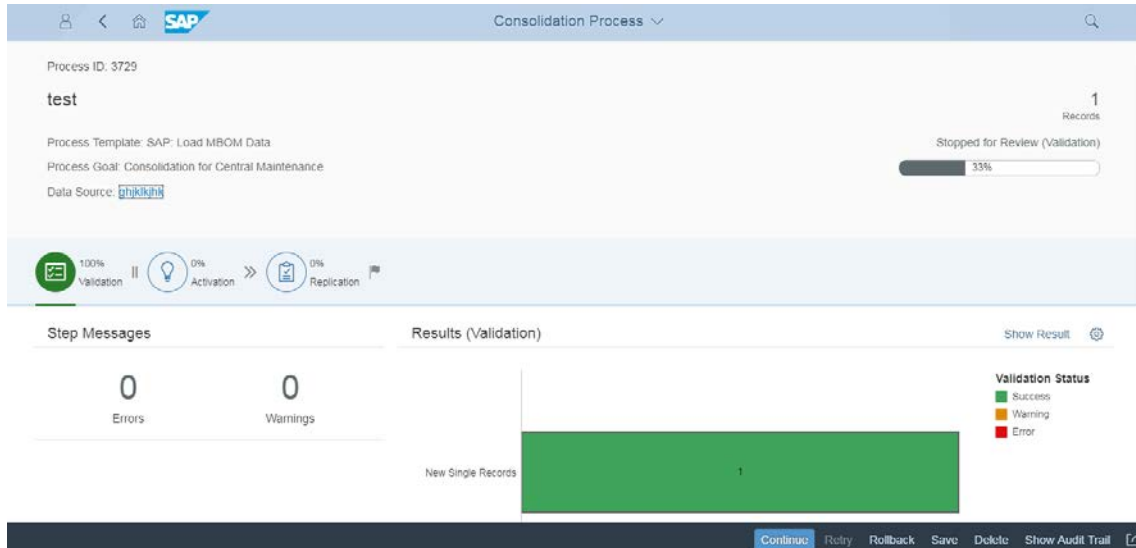


Figure 5: MDC MBOM Fiori App – Consolidation Process

## Configuration Details

The following sections list app-specific data required to configure the app:

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the front-end server:

Component	Technical Name
<b>SAPUI5 Application</b>	/UGIEAMUI/MDC_PROCESS_EAM

### SAP Fiori Launchpad

You require the following data to enable users to access to the app in the SAP Fiori FMS Launchpad.

## Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDC_BC_MBOM_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_BOM
Semantic Object	MasterData
Action	consolidate
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDC_BC_MBOM_MONPROCS	CMD - Consolidation and Mass Processing for MBOM Data
Business Group (Launchpad)	/UGIEAMUI/SAP_MDC_BCG_MBOM_MONPROCS	Consolidation and Mass Processing for MBOM Data

PFCG role for Business Catalog	/UGIEAMUI/SAP_MDC_BCR_BOM	Mass Processing and Consolidation for BOM (MDC) - Apps
--------------------------------	---------------------------	--

## OData Services

You must activate the following OData services on the Front-end server.

### Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_PROCESS_SRV__237	001

## Implementation Tasks

The following tasks are performed to implement the required components of the app. The following tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG MDC UI5 Application is available under ICF node:  
default\_host/sap/opu/odata/ugi/mdc\_process\_srv\_\_237

Component	Technical Name
OData Service (Version Number)	/UGI/MDC_PROCESS__237(001)

### Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node:  
/default\_host/sap/bc/ui5\_ui5/ugieamui/mdc\_process\_eam

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/ MDC_PROCESS_EAM

## Start Mass Processing - MBOM

This is a transactional application used to start mass processing for consolidation. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation (MDC).

## Key Features

The significant features for the application can be listed as following:

- Option to import data to start mass processing.
- Displays configuration and other details to process.
- Option to save or delete process.

## Technical Features

The technical features for the application can be listed as following:

- The app enables you to adjust configuration for mass processing.
- Application enables you to upload documents.

### **i** Note

- For security reasons, SAP recommends you to install the appropriate virus scanner in the respective Back-end system and define sufficiently restrictive scan profiles to prevent the upload of malicious content.  
For more information about virus scanning and scan profiles for SAP Fiori apps, refer [Virus Scanning](#).

## Product Features

A general business user with no master data knowledge or SAP MDC application knowledge can use this application to start mass processing.

The screenshot shows the 'Start Mass Processing - MBOM' app interface. It features a header bar with the SAP logo and a search icon. Below the header, there are three input fields: 'Description' with the value 'Template Config for MBOM Mass update', '\*Process Template' with a dropdown menu showing 'Template Config for MBOM Mass update', and 'Import File' with a 'Browse...' button.

Figure 6: MDC MBOM Fiori App – Start Mass Processing

The screenshot shows the 'Mass Processing' app interface. It displays the process ID '4068' and the template name 'Template Config for MBOM Mass update'. Below this, it shows the process template and goal. A progress bar indicates '0%' completion. The interface includes a navigation bar with icons for Scope, Selection, Edit, and Activation. Below the navigation bar, there is a 'Step Configuration (Scope)' section with a dropdown menu for 'Configuration' set to 'Utopia MDC EAM MBOM Scop Configuration'. At the bottom, there is a table with two columns: 'Field Description' and 'Table and Field Name'. The table contains one row with 'Laboratory/design office' and 'STKO-LABOR'. A 'Remove' button is next to the row. At the bottom right, there are buttons for 'Continue', 'Rollback', 'Save', 'Delete', and 'Show Audit Trail'.

Figure 7: MDC MBOM Fiori App – Start Mass Processing

## Configuration Details

The following sections list app-specific data required to configure the app:

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the Front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/ MDC_PROCESS_EAM

### SAP Fiori Launchpad

You require the following data to give users access to the app in the SAP Fiori MDC Launchpad.

## Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDC_BC_MBOM_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_BOM
Semantic Object	MasterData
Action	change
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDC_BC_MBOM_MONPROCS	CMD - Consolidation and Mass Processing for MBOM Data
Business Group (Launchpad)	/UGIEAMUI/SAP_MDC_BCG_MBOM_MONPROCS	Consolidation and Mass Processing for MBOM Data
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDC_BCR_BOM	Mass Processing and Consolidation for BOM (MDC) – Apps

## OData Services

You must activate the following OData services on the Front-end server.

 Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/ MDC_PROCESS_SRV__237	001

## Implementation Tasks

The following sections list tasks to be performed to implement the required components of the app. The tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG MDC OData services would be available under ICF node:  
default\_host/sap/opu/odata/ugi/mdc\_process\_srv\_\_237

Component	Technical Name
OData Service (Version Number)	/UGI/ MDC_PROCESS_SRV__237 (001)

### Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node:  
/sap/bc/ui5\_ui5/ugieamui/mdc\_process\_eam

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

## Manage Mass Processes - MBOM

This is a transactional application used to manage mass processing for consolidation. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation (MDC).

### Key Features

The significant features for the application can be listed as following:

- Option to create or delete process
- Displays list of process with status and number of records
- Displays success, warning or error in graphical notation

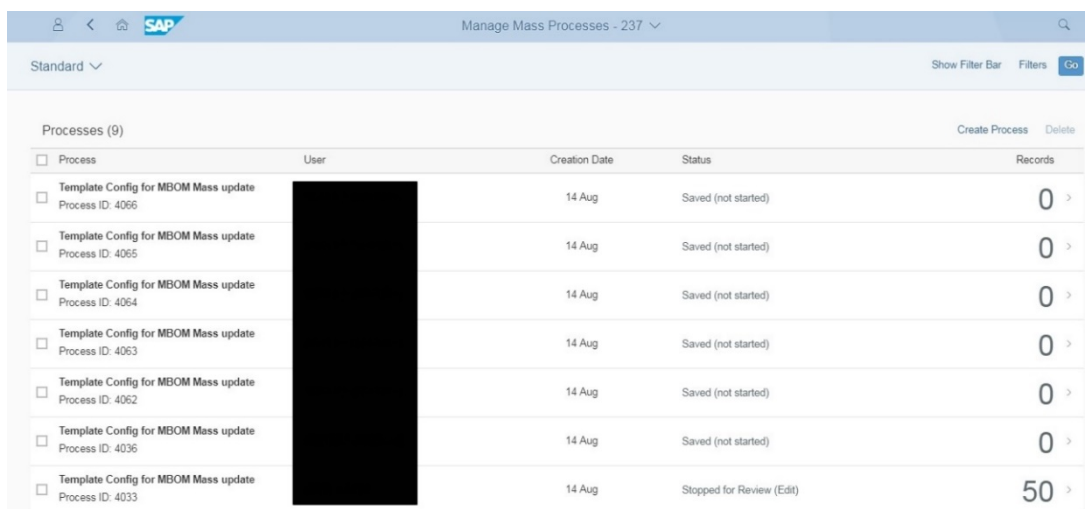
### Technical Features

The technical features for the application can be listed as following:

- Enables you to filter records as per need.
- Enables you to rollback or delete process if required.

### Product Features

A general business user having no master data knowledge or SAP MDC application knowledge can manage processes for MBOM.



Process	User	Creation Date	Status	Records
<input type="checkbox"/> Template Config for MBOM Mass update Process ID: 4066		14 Aug	Saved (not started)	0
<input type="checkbox"/> Template Config for MBOM Mass update Process ID: 4065		14 Aug	Saved (not started)	0
<input type="checkbox"/> Template Config for MBOM Mass update Process ID: 4064		14 Aug	Saved (not started)	0
<input type="checkbox"/> Template Config for MBOM Mass update Process ID: 4063		14 Aug	Saved (not started)	0
<input type="checkbox"/> Template Config for MBOM Mass update Process ID: 4062		14 Aug	Saved (not started)	0
<input type="checkbox"/> Template Config for MBOM Mass update Process ID: 4036		14 Aug	Saved (not started)	0
<input type="checkbox"/> Template Config for MBOM Mass update Process ID: 4033		14 Aug	Stopped for Review (Edit)	50

Figure 8: MDC MBOM Fiori App – Manage Mass Processes

### Configuration Details

The following sections list app-specific data required to configure the app:

#### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the Front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

## SAP Fiori Launchpad

You require the following data to enable users to access the app in the SAP Fiori FMS Launchpad.

## Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDC_BC_MBOM_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_BOM
Semantic Object	MasterData
Action	change
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDC_BC_MBOM_MONPROCS	CMD - Consolidation and Mass Processing for MBOM Data
Business Group (Launchpad)	/UGIEAMUI/SAP_MDC_BCG_MBOM_MONPROCS	Consolidation and Mass Processing for MBOM Data
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDC_BCR_BOM	Mass Processing and Consolidation for BOM (MDC) - Apps

## OData Services

You must activate the following OData services on the Front-end server.

 Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_PROCESS__237	001

## Implementation Tasks

The following sections list tasks to be performed to implement the required components of the app. The tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG FMS OData services is available under ICF node:/SAP/OPU/ODATA/UGI/MDC\_PROCESS\_SRV\_\_237

Component	Technical Name
OData Service (Version Number)	/UGI/ MDC_PROCESS_SRV__237 (001)

## Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node: /sap/bc/ui5\_ui5/ugieamui/processdata

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/ MDC_PROCESS_EAM

## Export Master Data – Equipment

This application can be used to export the master data from the existing database and download in the excel format based on the selection criteria provided. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation (MDC).

### Key Features

The significant features for the application can be listed as following:

- Define Scope of selection to export the master data in the XML format
- Provide the “Include” and “Exclude” criteria.

### Technical Features

The technical features for the application can be listed as following:

- Application enables you to download the files used for further processing.

#### Note

- For security reasons, SAP recommends you to install the appropriate virus scanner in the respective Back-end system and define sufficiently restrictive scan profiles to prevent the upload of malicious content.  
For more information about virus scanning and scan profiles for SAP Fiori apps, refer [Virus Scanning](#).

### Product Features

A general business user having no master data knowledge or SAP MDC application knowledge can download the files and use the same for further processing.

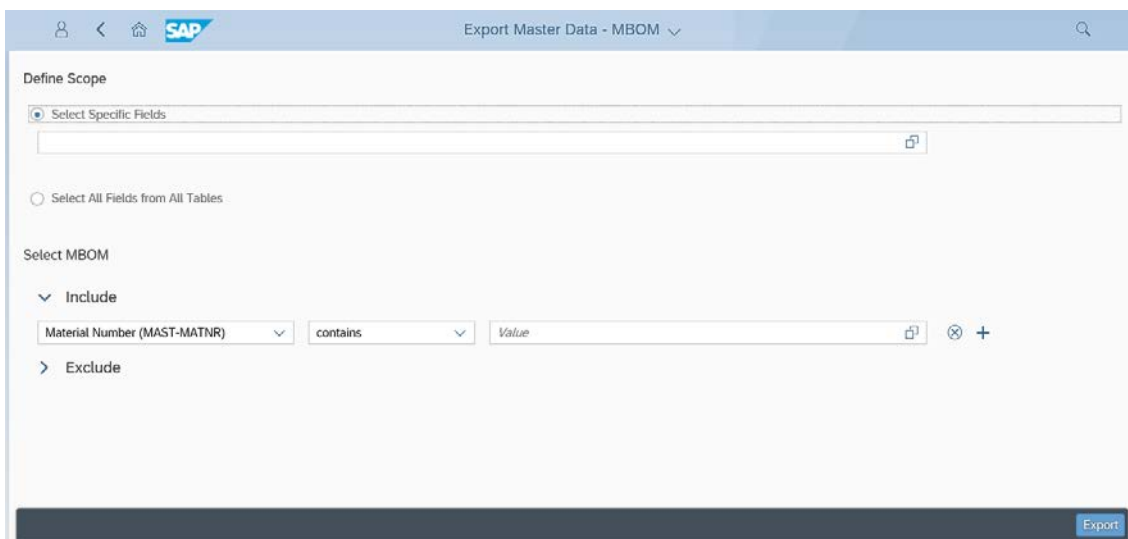


Figure 9: Fiori application for Export Master Data – Equipment

## SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the Front-end server:

Component	Technical Name
<b>SAPUI5 Application</b>	/UGIEAMUI/MDC_EXPORT_EAM

## SAP Fiori Launchpad

You require the following data to enable users to access the app in the SAP Fiori MDC Launchpad.

## Technical Configuration

<b>Technical Catalog</b>	/UGIEAMUI/SAP_MDC_BC_MBOM_MONPROCS
<b>TECHNICAL_PFCG_ROLE</b>	/UGIEAMUI/SAP_MDC_BCR_BOM
<b>Semantic Object</b>	MasterData
<b>Action</b>	Export
<b>SAPUI5 Application</b>	/UGIEAMUI/MDC_PROCESS_EAM

<b>Business Catalog (Launchpad)</b>	/UGIEAMUI/SAP_MDC_BC_MBOM_MONPROCS	CMD - Consolidation and Mass Processing for MBOM Data
<b>Business Group (Launchpad)</b>	/UGIEAMUI/SAP_MDC_BCG_MBOM_MONPROCS	Consolidation and Mass Processing for MBOM Data
<b>PFCG role for Business Catalog</b>	/UGIEAMUI/SAP_MDC_BCR_BOM	Mass Processing and Consolidation for BOM (MDC) – Apps

## OData Services

You must activate the following OData services on the Front-end server.

 Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_EXPORT_SRV_EAM	001

## Implementation Tasks

The following sections list tasks to be performed to implement the required components of the app. The tables contain the app-specific data required for these tasks.



## Front-end Server: Activate OData Services

The MDG FMS OData services is available under ICF node: /SAP/OPU/ODATA/  
/UGI/MDC\_EXPORT\_SRV\_EAM

Component	Technical Name
<b>OData Service (Version Number)</b>	/UGI/MDC_EXPORT_SRV_EAM (001)

## Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node: /sap/bc/ui5\_ui5/ugieamui/  
mdc\_export\_eam

Component	Technical Name
<b>SAP UI5 Application</b>	/UGIEAMUI/MDC_EXPORT_EAM

## Track Mass Changes – MBOM

This Fiori application can be used to view finalized change processes consisting of changed records using mass processing and also to track the changes done as part of each process.

### Key Features

The significant features for the application can be listed as following:

- View the finalized change processes used for mass processing of data
- Track the changes done on each record which are part of change process.

### Technical Features

The technical features for the application can be listed as following:

- To track the finalized change processing used for mass processing of data.
- View changes done on each record.

#### Note

- For security reasons, SAP recommends you to install the appropriate virus scanner in the respective Back-end system and define sufficiently restrictive scan profiles to prevent the upload of malicious content.  
For more information about virus scanning and scan profiles for SAP Fiori apps, refer [Virus Scanning](#).

### Product Features

A general business user having no master data knowledge or SAP MDC application knowledge can Import data for consolidation.

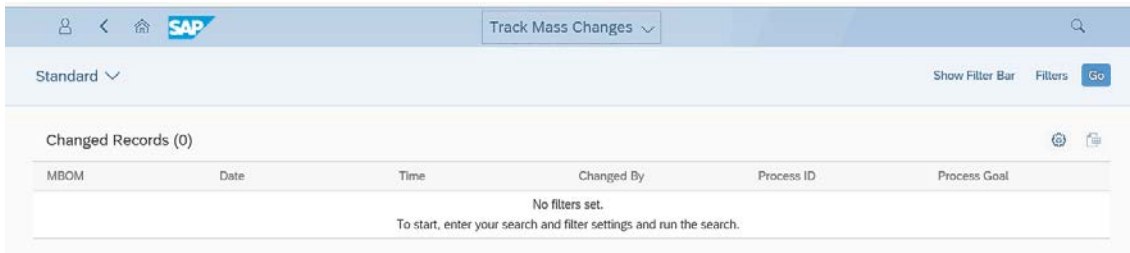


Figure 10: Fiori application for Track Mass Changes – MBOM

## Configuration Details

The following sections list app-specific data required to configure the application.

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the Front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/MDC_TRK_CHG_EAM

### SAP Fiori Launchpad

You require the following data to enable users to access the app in the SAP Fiori MDC Launchpad.

## Technical Configuration

Component	Technical Name
Technical Catalog	/UGIEAMUI/SAP_MDC_BC_EQ_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_EQ_BOM
Semantic Object	MasterData
Action	Export
SAPUI5 Application	/UGIEAMUI/MDC_TRK_CHG_EAM

Business Catalog (Launchpad)	Business Group (Launchpad)	PFCG role for Business Catalog
/UGIEAMUI/SAP_MDC_BC_EQ_MONPROCS	/UGIEAMUI/SAP_MDC_BCG_EQ_MONPROCS	/UGIEAMUI/SAP_MDC_BCR_EQ_BOM
CMD - Consolidation and Mass Processing for EQ Data	Consolidation and Mass Processing for EQ Data	Mass Processing and Consolidation for EQ BOM (MDC) – Apps

## OData Services

You must activate the following OData services on the Front-end server.

### Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_TRACK_CHG_SRV__237	001

## Implementation Tasks

The following tasks are performed to implement the required components of the application. The following tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG MDC OData services would be available under ICF node:  
/DEFAULT\_HOST/SAP/OPU/ODATA//UGIEAMUI/MDC\_TRK\_CHG\_EAM

Component	Technical Name
OData Service (Version Number)	/UGI/MDC_TRACK_CHG_SRV__237 (001)

### Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node: /sap/bc/ui5\_ui5/ugieamui/importdata

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/MDC_TRK_CHG_EAM

## Manage Source Data – MBOM

This Fiori application is used to view the source system/data packages which can be further imported to use in “Import Data for Consolidation” application.

## Key Features

The significant features for the application can be listed as following:

- Viewing the source records and the data packages which are to be used in the Import.
- Delete the imported data packages which are obsolete and not intended for future use.

## Technical Features

The technical features for the application can be listed as following:

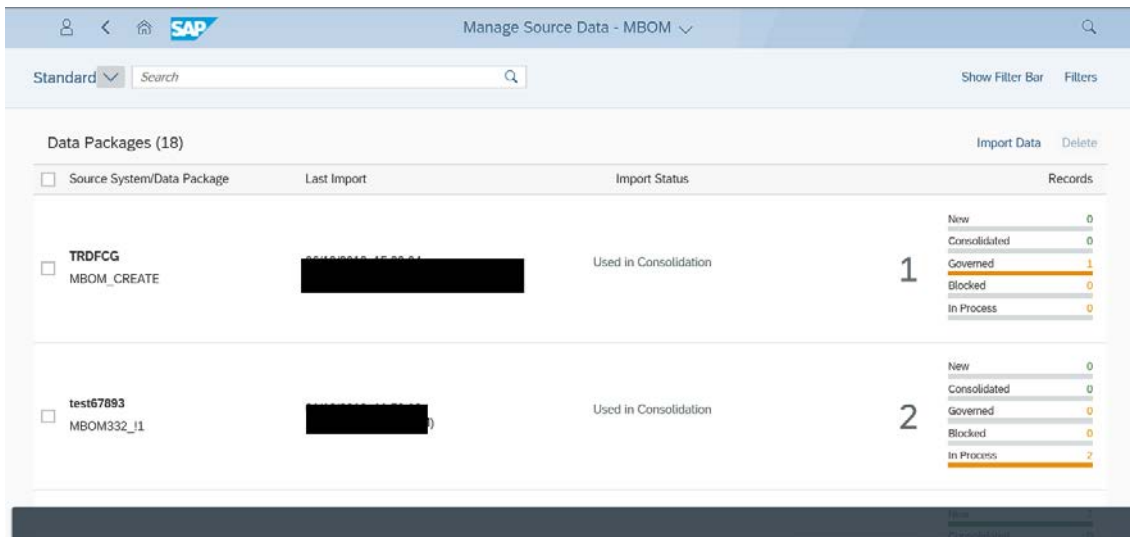
- To view the source records and the data packages which can be used in the “Import data for Consolidation” application.
- Delete the imported data packages which are obsolete and not intended for future use.

### Note

- For security reasons, SAP recommends you to install the appropriate virus scanner in the respective Back-end system and define sufficiently restrictive scan profiles to prevent the upload of malicious content.  
For more information about virus scanning and scan profiles for SAP Fiori apps, refer [Virus Scanning](#).

## Product Features

A general business user having no master data knowledge or SAP MDC application knowledge can Import data for consolidation.



Source System/Data Package	Last Import	Import Status	Records
TRDFCG MBOM_CREATE	[REDACTED]	Used in Consolidation	1
test67893 MBOM332_11	[REDACTED]	Used in Consolidation	2

Figure 11: Manage Source Data – MBOM Fiori application

## Configuration Details

The following sections list app-specific data required to configure the application.

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the Front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/MDC_MNG_SRC_EAM

### SAP Fiori Launchpad

You require the following data to enable users to access the app in the SAP Fiori MDC Launchpad.

## Technical Configuration

Component	Technical Name
Technical Catalog	/UGIEAMUI/SAP_MDC_BC_EQ_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_EQ_BOM
Semantic Object	MasterData
Action	manageSourceData

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/MDC_MNG_SRC_EAM

Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDC_BC_EQ_MONPROCS	CMD - Consolidation and Mass Processing for EQ Data
Business Group (Launchpad)	/UGIEAMUI/SAP_MDC_BCG_EQ_MONPROCS	Consolidation and Mass Processing for EQ Data
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDC_BCR_EQ_BOM	Mass Processing and Consolidation for EQ BOM (MDC) – Apps

## OData Services

You must activate the following OData services on the Front-end server.



Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
MDC_MANAGE_SOURCE_DATA_SRV	001

## Implementation Tasks

The following tasks are performed to implement the required components of the application. The following tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG MDC OData services would be available under ICF node:  
/DEFAULT\_HOST/SAP/OPU/ODATA/SAP/MDC\_MANAGE\_SOURCE\_DATA\_SRV

Component	Technical Name
OData Service (Version Number)	MDC_MANAGE_SOURCE_DATA_SRV (001)

### Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node:  
/sap/bc/ui5\_ui5/ugieamui/mdc\_mng\_src\_eam.

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/MDC_MNG_SRC_EAM

## Import Data for Consolidation - Equipment

This is a transactional application and you can upload file for consolidation using this. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation(MDC).

## Key Features

The significant features for the application can be listed as following:

- Lean form for a user new to MDC (Import)
- Option to upload data for Consolidation.
- Option to download File Template.
- The F4 help in the form accepts manual entry and displays corresponding field description.
- Option to stop and check for validation while import.

## Technical Features

The technical features for the application can be listed as following:

- Check for validation while importing file is supported.
- Application enables you to upload documents.



### Note

- For security reasons, SAP recommends you to install the appropriate virus scanner in the respective Back-end system and define sufficiently restrictive scan profiles to prevent the upload of malicious content.  
For more information about virus scanning and scan profiles for SAP Fiori apps, refer [Virus Scanning](#).

## Product Features

A general business user having no master data knowledge or SAP MDC application knowledge can Import data for consolidation.

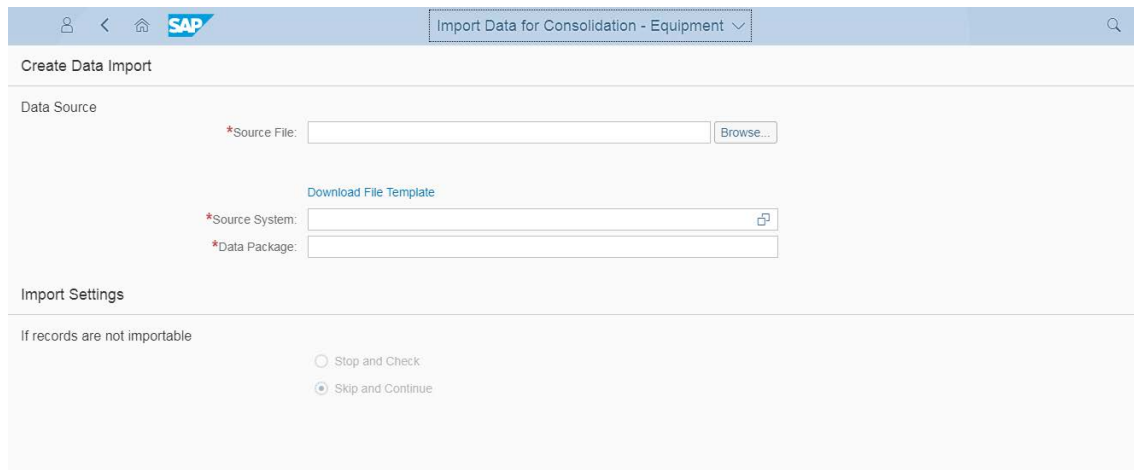


Figure 9: MDC EQBOM Fiori App – Import Data for Consolidation

## Configuration Details

The following sections list app-specific data required to configure the application.

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the Front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/IMPORTDATA

## SAP Fiori Launchpad

You require the following data to enable users to access the app in the SAP Fiori MDC Launchpad.

## Technical Configuration

Component	Technical Name
Technical Catalog	/UGIEAMUI/SAP_MDC_BC_EQ_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_EQ_BOM
Semantic Object	MasterData
Action	import
SAPUI5 Application	/UGIEAMUI/IMPORTDATA

Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDC_BC_EQ_MONPROCS	CMD - Consolidation and Mass Processing for EQ Data
Business Group (Launchpad)	/UGIEAMUI/SAP_MDC_BCG_EQ_MONPROCS	Consolidation and Mass Processing for EQ Data
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDC_BCR_EQ_BOM	Mass Processing and Consolidation for EQ BOM (MDC) – Apps

## OData Services

You must activate the following OData services on the Front-end server.

### Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_EAM_IMPORT_SRV	001

## Implementation Tasks

The following tasks are performed to implement the required components of the application. The following tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG MDC OData services would be available under ICF node:  
/DEFAULT\_HOST/SAP/OPU/ODATA//UGI/MDC\_EAM\_IMPORT\_SRV



Component	Technical Name
OData Service (Version Number)	/UGI/MDC_EAM_IMPORT_SRV (001)

## Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node: /sap/bc/ui5\_ui5/ugieamui/importdata

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/IMPORTDATA

## Manage Imports for Consolidation - Equipment

This is a transactional application and you can manage imports for consolidation using this. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation (MDC).

### Key Features

The significant features for the application can be listed as following:

- Manage imports for a user new to MDC for Equipment BOM object.
- Check status of import and number of records for each import.
- Option to add or delete imports containing data.
- Option to search or filter imports as required.

### Technical Features

The technical features for the application can be listed as following:

- Manage imports for consolidation and mass processing is supported.
- Enables you to import or delete records.

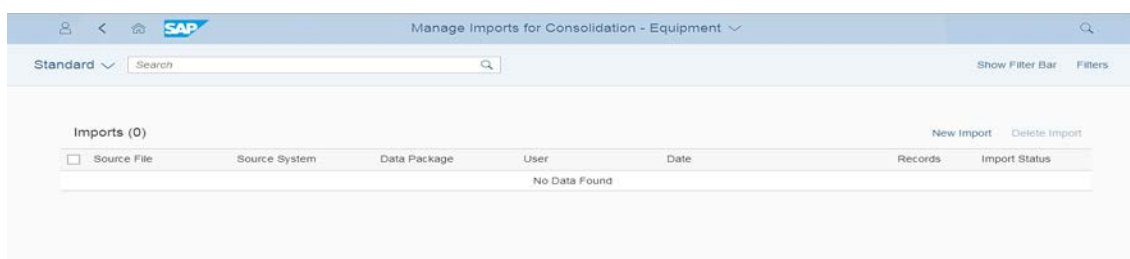


#### Note

- For security reasons, SAP recommends you to install the appropriate virus scanner in the respective Back-end system and define sufficiently restrictive scan profiles to prevent the upload of malicious content.  
For more information about virus scanning and scan profiles for SAP Fiori apps, refer [Virus Scanning](#).

### Product Features

A general business user having no master data knowledge or SAP MDC application knowledge can manage MBOM records.



Source File	Source System	Data Package	User	Date	Records	Import Status
No Data Found						

Figure 10: MDC EQBOM Fiori App – Manage Imports for Consolidation

## Configuration Details

The following sections list app-specific data required to configure the application.

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the frontend server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/IMPORTDATA

### SAP Fiori Launchpad

You require the following data to enable the users to access the app in the SAP Fiori FMS Launchpad.

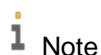
## Technical Configuration

Component	Technical Name
Technical Catalog	/UGIEAMUI/SAP_MDC_BC_EQ_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_EQ_BOM
Semantic Object	MasterData
Action	import
SAPUI5 Application	/UGIEAMUI/IMPORTDATA

Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDC_BC_EQ_MONPROCS	CMD - Consolidation and Mass Processing for EQ Data
Business Group (Launchpad)	/UGIEAMUI/SAP_MDC_BCG_EQ_MONPROCS	Consolidation and Mass Processing for EQ Data
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDC_BCR_EQ_BOM	Mass Processing and Consolidation for EQ BOM (MDC) - Apps

## OData Services

You must activate the following OData services on the Front-end server.



Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_EAM_IMPORT_SRV	001

## Implementation Tasks

The following tasks are performed to implement the required components of the application. The following tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG MDC OData services would be available under ICF node:  
/DEFAULT\_HOST/SAP/OPU/ODATA/UGI/MDC\_EAM\_IMPORT\_SRV

Component	Technical Name
OData Service (Version Number)	/UGI/MDC_EAM_IMPORT_SRV (001)

### Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node: /sap/bc/ui5\_ui5/ugieamui/importdata

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/IMPORTDATA

## Create Consolidation Process - Equipment

This application is used for creating consolidation process for new EQBOM records. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation (MDC).

### Key Features

The significant features for the application can be listed as following:

- Lean create consolidation process form for a user new to MDC (Article).
- Option to delete or keep source data.
- The F4 help in the form accepts manual entry and displays corresponding field description.

### Technical Features

The technical features for the application can be listed as following:

- Consolidation create process with template and data sources are supported.

### Product Features

A general business user with no master data knowledge or SAP MDC application knowledge can create consolidation process for EQBOM.



Figure 11: MDC EQBOM Fiori App – Create Consolidation Process

## Configuration Details

The following sections list app-specific data required to configure the app:

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the Front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/ MDC_PROCESS_EAM

### SAP Fiori Launchpad

You require the following data to enable users to access the app in the SAP Fiori MDC Launchpad.

## Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDC_BC_EQ_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_EQ_BOM
Semantic Object	MasterData
Action	consolidate
SAPUI5 Application	/UGIEAMUI/ MDC_PROCESS_EAM

Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDC_BC_EQ_MONPROCS	CMD - Consolidation and Mass Processing for EQ Data
Business Group (Launchpad)	/UGIEAMUI/SAP_MDC_BCG_EQ_MONPROCS	Consolidation and Mass Processing for EQ Data
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDC_BCR_EQ_BOM	Mass Processing and Consolidation for EQ BOM (MDC) - Apps

## OData Services

You must activate the following OData services on the Front-end server.

 Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_PROCESS_SRV__183	001

## Implementation Tasks:

The following tasks are performed to implement the required components of the app. The following tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG MDC UI5 Application is available under ICF node:  
/DEFAULT\_HOST/SAP/OPU/ODATA/UGI/MDC\_PROCESS\_SRV\_183

Component	Technical Name
OData Service (Version Number)	/UGI/MDC_PROCESS_SRV_183 (001)

### Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node:  
/default\_host/sap/bc/ui5\_ui5/ugieamui/mdc\_process\_eam.

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

## Manage Consolidation Process - Equipment

This is a transactional application used to manage processes for consolidation. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation (MDC).

### Key Features

The significant features for the application can be listed as following:

- Process table for a user new to MDC (EQBOM).
- Option to create or delete process.
- On navigation, users can check for validations, activations or replications.
- Rollback or deletion of any process is supported.

### Technical Features

The technical features for the application can be listed as following:

- Filter or search of process is supported
- Creation or deletion of process is supported

### Product Features

A general business user with no master data knowledge or SAP MDC application knowledge can manage process and activate it.

Process	Data Source	User	Creation Date	Status	Process Goal	Records
<input type="checkbox"/> test Process ID: 4050	MDC_EQ -CR1	[REDACTED]	14 Aug	Finished	Consolidation for Central Maintenance	5
<input type="checkbox"/> test Process ID: 4047	MDC_EQ -DA_EQ1	[REDACTED]	14 Aug	Finished	Consolidation for Central Maintenance	5
<input type="checkbox"/> test Process ID: 4039	2 Data Sources	[REDACTED]	14 Aug	Finished	Consolidation of Source Records	12
<input type="checkbox"/> EQUI MATCHING Process ID: 4038	2 Data Sources	[REDACTED]	14 Aug	Finished	Consolidation of Source Records	12
<input type="checkbox"/> EQ M CREATE Process ID: 4018	EQUI_MATCHING2	[REDACTED]	13 Aug	Finished	Consolidation for Central Maintenance	4
<input type="checkbox"/> test Process ID: 3949	MDC_EQ -CREAT...	[REDACTED]	10 Aug	Finished	Consolidation for Central Maintenance	1

Figure 12: MDC EQBOM Fiori App – Consolidation Process

Step Messages	Results (Matching)
<p>Process ID: 3848</p> <p>000000003848</p> <p>Process Template: SAP: Consolidate Product Data</p> <p>Process Goal: Consolidation of Source Records</p> <p>Data Source: 2 Data Sources</p> <p>8 Records</p> <p>Stopped for Review (Matching)</p> <p>25%</p> <p>100% Matching    0% Best Record Calcul...    0% Validation    0% Activation</p> <p>0 Errors    2 Warnings</p> <p>Match Group Information</p>	<p>Approved Match Groups</p> <p>1</p> <p>Group Type</p> <ul style="list-style-type: none"> <li>With Active Records</li> <li>Source Records Only</li> </ul>

Figure 13: MDC EQBOM Fiori App – Consolidation Process

## Configuration Details

The following sections list app-specific data required to configure the app:

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the Front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

### SAP Fiori Launchpad

You require the following data to enable users to access to the app in the SAP Fiori FMS Launchpad.

## Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDC_BC_EQ_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_EQ_BOM
Semantic Object	MasterData
Action	consolidate
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDC_BC_EQ_MONPROCS	CMD - Consolidation and Mass Processing for EQ Data
Business Group (Launchpad)	/UGIEAMUI/SAP_MDC_BCG_EQ_MONPROCS	Consolidation and Mass Processing for EQ Data
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDC_BCR_EQ_BOM	Mass Processing and Consolidation for EQ BOM (MDC) – Apps

## OData Services

You must activate the following OData services on the Front-end server.

### Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_PROCESS_SRV_183	001

## Implementation Tasks

The following tasks are performed to implement the required components of the app. The following tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG MDC UI5 Application is available under ICF node:/DEFAULT\_HOST/SAP/OPU/ODATA/UGI/MDC\_PROCESS\_SRV\_183

Component	Technical Name
OData Service (Version Number)	/UGI/MDC_PROCESS_SRV_183 (001)

### Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node:  
/default\_host/sap/bc/ui5\_ui5/ugieamui/mdc\_process\_eam.

Component	Technical Name
-----------	----------------



SAP UI5 Application	/UGIEAMUI/MDC_PROCESS_EAM
---------------------	---------------------------

## Start Mass Processing - Equipment

This is a transactional application used to start mass processing for consolidation. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation (MDC).

### Key Features

The significant features for the application can be listed as following:

- Option to import data to start mass processing
- Displays configuration and other details to process
- Option to save or delete process

### Technical Features

The technical features for the application can be listed as following:

- The app enables you to adjust configuration for mass processing.
- Application enables you to upload documents.



#### Note

- For security reasons, SAP recommends you to install the appropriate virus scanner in the respective Back-end system and define sufficiently restrictive scan profiles to prevent the upload of malicious content.  
For more information about virus scanning and scan profiles for SAP Fiori apps, refer [Virus Scanning](#).

### Product Features

A general business user with no master data knowledge or SAP MDC application knowledge can use this application to start mass processing.

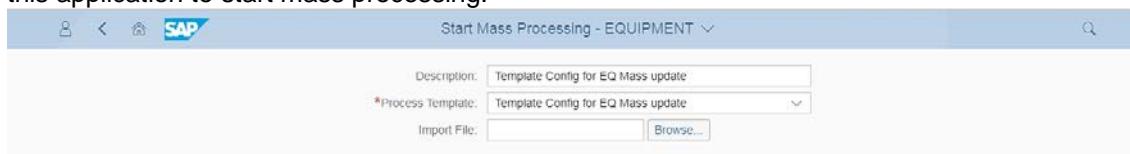


Figure 14: MDC EQBOM Fiori App – Start Mass Processing

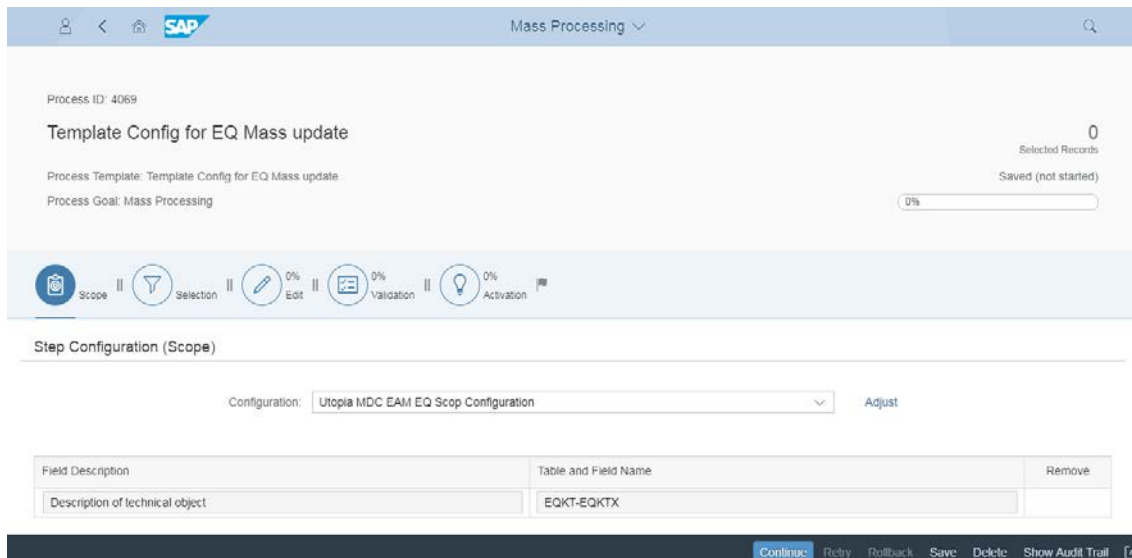


Figure 15: MDC EQBOM Fiori App – Start Mass Processing

## Configuration Details

The following sections list app-specific data required to configure the app:

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the Front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

### SAP Fiori Launchpad

You require the following data to give users access to the app in the SAP Fiori MDC Launchpad.

## Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDC_BC_EQ_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_EQ_BOM
Semantic Object	MasterData
Action	change
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

<b>Business Catalog (Launchpad)</b>	/UGIEAMUI/SAP_MDC_BC_EQ_MONPROCS	CMD - Consolidation and Mass Processing for EQ Data
<b>Business Group (Launchpad)</b>	/UGIEAMUI/SAP_MDC_BCG_EQ_MONPROCS	Consolidation and Mass Processing for EQ Data

<b>PFCG role for Business Catalog</b>	/UGIEAMUI/SAP_MDC_BCR_EQ_BOM	Mass Processing and Consolidation for EQ BOM (MDC) - Apps
---------------------------------------	------------------------------	---

## OData Services

You must activate the following OData services on the Front-end server.

### Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_PROCESS_SRV_183	001

## Implementation Tasks

The following sections list tasks to be performed to implement the required components of the app. The tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG MDC OData services would be available under ICF node:/SAP/OPU/ODATA//UGI/MDC\_PROCESS\_SRV\_183

Component	Technical Name
OData Service (Version Number)	/UGI/MDC_PROCESS_SRV_183 (001)

### Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node:  
/sap/bc/ui5\_ui5/ugieamui/mdc\_process\_eam.

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

## Manage Mass Processes - Equipment

This is a transactional application used to manage mass processing for consolidation. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation (MDC).

## Key Features

The significant features for the application can be listed as following:

- Option to create or delete process
- Displays list of process with status and number of records
- Displays success, warning or error in graphical notation

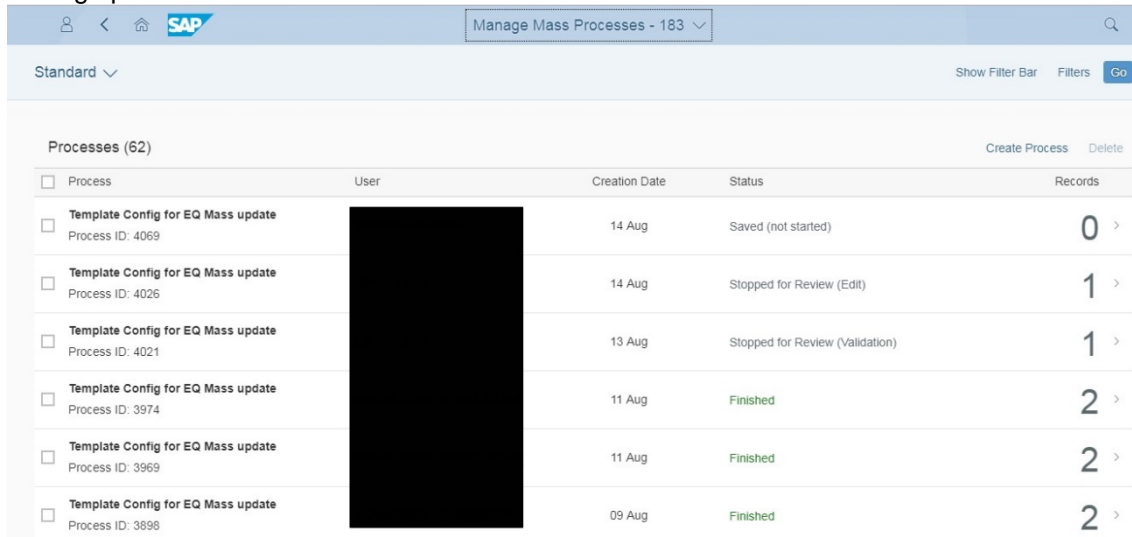
## Technical Features

The technical features for the application can be listed as following:

- Enables you to filter records as per need
- Enables you to rollback or delete process if required

## Product Features

A general business user having no master data knowledge or SAP MDC application knowledge can manage processes for EQBOM.



Process	User	Creation Date	Status	Records
<input type="checkbox"/> Template Config for EQ Mass update Process ID: 4069	[REDACTED]	14 Aug	Saved (not started)	0 >
<input type="checkbox"/> Template Config for EQ Mass update Process ID: 4026	[REDACTED]	14 Aug	Stopped for Review (Edit)	1 >
<input type="checkbox"/> Template Config for EQ Mass update Process ID: 4021	[REDACTED]	13 Aug	Stopped for Review (Validation)	1 >
<input type="checkbox"/> Template Config for EQ Mass update Process ID: 3974	[REDACTED]	11 Aug	Finished	2 >
<input type="checkbox"/> Template Config for EQ Mass update Process ID: 3969	[REDACTED]	11 Aug	Finished	2 >
<input type="checkbox"/> Template Config for EQ Mass update Process ID: 3898	[REDACTED]	09 Aug	Finished	2 >

Figure 16: MDC EQBOM Fiori App – Manage Mass Processes

## Configuration Details

The following sections list app-specific data required to configure the app:

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the Front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

### SAP Fiori Launchpad

You require the following data to enable users to access the app in the SAP Fiori FMS Launchpad.

## Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDC_BC_EQ_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_EQ_BOM
Semantic Object	MasterData

Action	change
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

<b>Business Catalog (Launchpad)</b>	/UGIEAMUI/SAP_MDC_BC_EQ_MONPROCS	CMD - Consolidation and Mass Processing for EQ Data
<b>Business Group (Launchpad)</b>	/UGIEAMUI/SAP_MDC_BCG_EQ_MONPROCS	Consolidation and Mass Processing for EQ Data
<b>PFCG role for Business Catalog</b>	/UGIEAMUI/SAP_MDC_BCR_EQ_BOM	Mass Processing and Consolidation for EQ BOM (MDC) - Apps

## OData Services

You must activate the following OData services on the Front-end server.

 Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_PROCESS_SRV_183	001

## Implementation Tasks

The following sections list tasks to be performed to implement the required components of the app. The tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG FMS OData services is available under ICF node:/SAP/OPU/ODATA/UGI/MDC\_PROCESS\_SRV\_183

Component	Technical Name
<b>OData Service (Version Number)</b>	/UGI/MDC_PROCESS_SRV_183 (001)

### Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node:  
/sap/bc/ui5\_ui5/ugieamui/mdc\_process\_eam

Component	Technical Name
<b>SAP UI5 Application</b>	/UGIEAMUI/MDC_PROCESS_EAM

## Import Data for Consolidation - Functional Location

This is a transactional application and you can upload file for consolidation using this. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation(MDC).

## Key Features

The significant features for the application can be listed as following:

- Lean form for a user new to MDC (Import)
- Option to upload data for Consolidation.
- Option to download File Template.
- The F4 help in the form accepts manual entry and displays corresponding field description.
- Option to stop and check for validation while import.

## Technical Features

The technical features for the application can be listed as following:

- Check for validation while importing file is supported.
- Application enables you to upload documents.

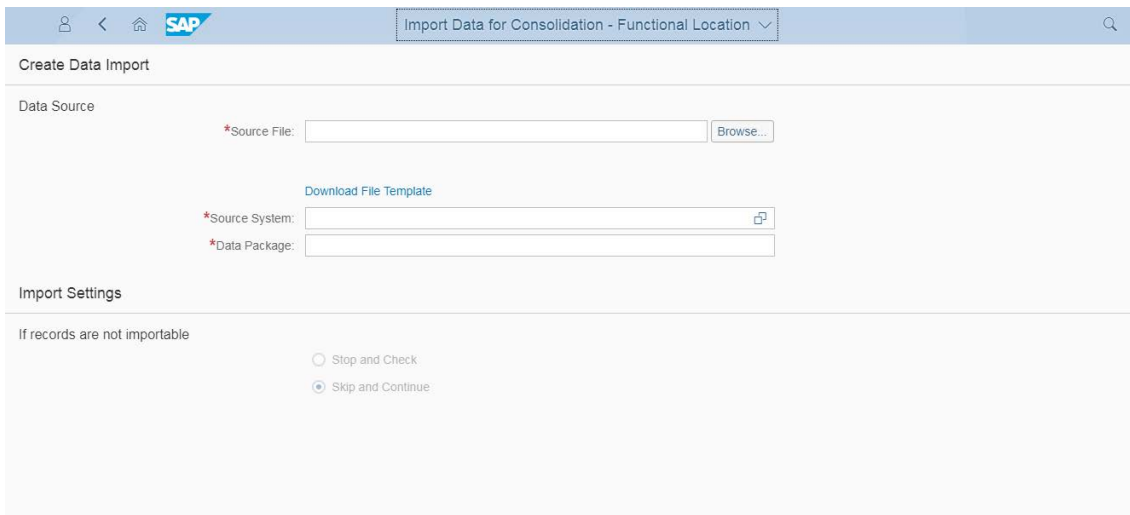


### Note

- For security reasons, SAP recommends you to install the appropriate virus scanner in the respective Back-end system and define sufficiently restrictive scan profiles to prevent the upload of malicious content.  
For more information about virus scanning and scan profiles for SAP Fiori apps, refer [Virus Scanning](#).

## Product Features

A general business user having no master data knowledge or SAP MDC application knowledge can Import data for consolidation.



The screenshot shows the SAP Fiori app interface for 'Import Data for Consolidation'. The header bar includes the SAP logo and a dropdown menu for 'Import Data for Consolidation - Functional Location'. The main content area is titled 'Create Data Import' and is divided into two sections: 'Data Source' and 'Import Settings'. In the 'Data Source' section, there is a field for '\*Source File:' with a 'Browse...' button, a 'Download File Template' link, and fields for '\*Source System:' and '\*Data Package:'. The 'Import Settings' section contains the text 'If records are not importable' and two radio buttons: 'Stop and Check' and 'Skip and Continue', with 'Skip and Continue' being selected.

Figure 17: MDC FLOCBOM Fiori App – Import Data for Consolidation

## Configuration Details

The following sections list app-specific data required to configure the application.

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the Front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/IMPORTDATA

## SAP Fiori Launchpad

You require the following data to enable users to access the app in the SAP Fiori MDC Launchpad.

## Technical Configuration

Component	Technical Name
Technical Catalog	/UGIEAMUI/SAP_MDC_BC_FLOC_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_FLOC_BOM
Semantic Object	MasterData
Action	import
SAPUI5 Application	/UGIEAMUI/IMPORTDATA

Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDC_BC_FLOC_MONPROCS	CMD - Consolidation and Mass Processing for FLOC Data
Business Group (Launchpad)	/UGIEAMUI/SAP_MDC_BCG_FLOC_MONPROCS	Consolidation and Mass Processing for FLOC Data
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDC_BCR_FLOC_BOM	Mass Processing and Consolidation for FLOC BOM (MDC) - Apps

## OData Services

You must activate the following OData services on the Front-end server.

### Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_EAM_IMPORT_SRV	001

## Implementation Tasks

The following tasks are performed to implement the required components of the application. The following tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG MDC OData services would be available under ICF node:  
/DEFAULT\_HOST/SAP/OPU/ODATA/UGI/MDC\_EAM\_IMPORT\_SRV



Component	Technical Name
OData Service (Version Number)	/UGI/MDC_EAM_IMPORT_SRV (001)

## Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node: /sap/bc/ui5\_ui5/ugieamui/importdata

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/IMPORTDATA

## Manage Imports for Consolidation - Functional Location

This is a transactional application and you can manage imports for consolidation using this. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation (MDC).

### Key Features

The significant features for the application can be listed as following:

- Manage imports for a user new to MDC for FLOCBOM object.
- Check status of import and number of records for each import.
- Option to add or delete imports containing data.
- Option to search or filter imports as required.

### Technical Features

The technical features for the application can be listed as following:

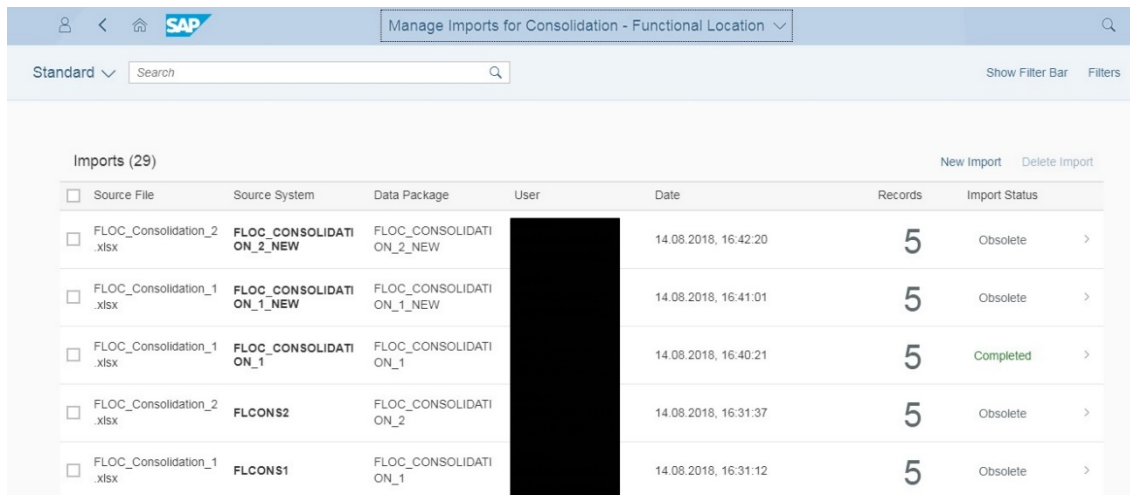
- Manage imports for consolidation and mass processing is supported.
- Enables you to import or delete records.

#### Note

- For security reasons, SAP recommends you to install the appropriate virus scanner in the respective Back-end system and define sufficiently restrictive scan profiles to prevent the upload of malicious content.  
For more information about virus scanning and scan profiles for SAP Fiori apps, refer [Virus Scanning](#).

### Product Features

A general business user having no master data knowledge or SAP MDC application knowledge can manage FLOCBOM records.



Source File	Source System	Data Package	User	Date	Records	Import Status
<input type="checkbox"/> FLOC_Consolidation_2.xlsx	FLOC_CONSOLIDATI ON_2_NEW	FLOC_CONSOLIDATI ON_2_NEW		14.08.2018, 16:42:20	5	Obsolete
<input type="checkbox"/> FLOC_Consolidation_1.xlsx	FLOC_CONSOLIDATI ON_1_NEW	FLOC_CONSOLIDATI ON_1_NEW		14.08.2018, 16:41:01	5	Obsolete
<input type="checkbox"/> FLOC_Consolidation_1.xlsx	FLOC_CONSOLIDATI ON_1	FLOC_CONSOLIDATI ON_1		14.08.2018, 16:40:21	5	Completed
<input type="checkbox"/> FLOC_Consolidation_2.xlsx	FLCONS2	FLOC_CONSOLIDATI ON_2		14.08.2018, 16:31:37	5	Obsolete
<input type="checkbox"/> FLOC_Consolidation_1.xlsx	FLCONS1	FLOC_CONSOLIDATI ON_1		14.08.2018, 16:31:12	5	Obsolete

Figure 18: MDC FLOCBOM Fiori App – Manage Imports for Consolidation

## Configuration Details

The following sections list app-specific data required to configure the application.

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the frontend server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/IMPORTDATA

### SAP Fiori Launchpad

You require the following data to enable the users to access the app in the SAP Fiori MDC Launchpad.

## Technical Configuration

Component	Technical Name
Technical Catalog	/UGIEAMUI/SAP_MDC_BC_FLOC_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_FLOC_BOM
Semantic Object	MasterData
Action	import
SAPUI5 Application	/UGIEAMUI/IMPORTDATA

Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDC_BC_FLOC_MONPROCS	CMD - Consolidation and Mass Processing for FLOC Data
Business Group (Launchpad)	/UGIEAMUI/SAP_MDC_BCG_FLOC_MONPROCS	Consolidation and Mass Processing for FLOC Data

PFCG role for Business Catalog	/UGIEAMUI/SAP_MDC_BCR_FLOC_BOM	Mass Processing and Consolidation for FLOC BOM (MDC) - Apps
--------------------------------	--------------------------------	---

## OData Services

You must activate the following OData services on the Front-end server.

### Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_EAM_IMPORT_SRV	001

## Implementation Tasks

The following tasks are performed to implement the required components of the application. The following tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG MDC OData services would be available under ICF node:  
/DEFAULT\_HOST/SAP/OPU/ODATA//UGI/MDC\_EAM\_IMPORT\_SRV

Component	Technical Name
OData Service (Version Number)	/UGI/MDC_EAM_IMPORT_SRV (001)

### Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node: /sap/bc/ui5\_ui5/ugieamui/importdata

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/IMPORTDATA

## Create Consolidation Process - Functional Location

This application is used for creating consolidation process for new MBOM records. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation (MDC).

## Key Features

The significant features for the application can be listed as following:

- Lean create consolidation process form for a user new to MDC (Article).
- Option to delete or keep source data.
- The F4 help in the form accepts manual entry and displays corresponding field description.

## Technical Feature

The technical feature for the application can be listed as following:

- Consolidation create process with template and data sources are supported.

## Product Features

A general business user with no master data knowledge or SAP MDC application knowledge can create consolidation process for MBOM.

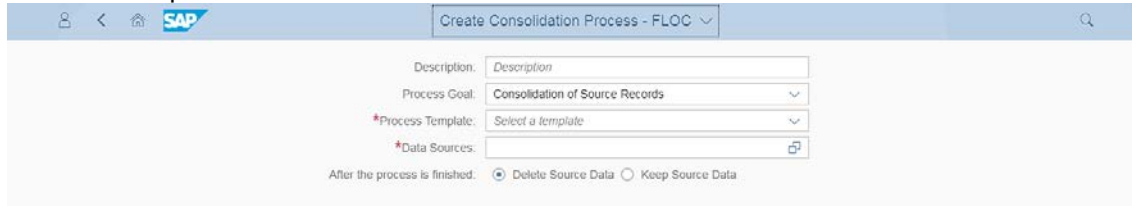


Figure 19: MDC FLBOM Fiori App – Create Consolidation Process

## Configuration Details

The following sections list app-specific data required to configure the app:

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the Front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

### SAP Fiori Launchpad

You require the following data to enable users to access the app in the SAP Fiori MDC Launchpad.

## Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDC_BC_FLOC_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_FLOC_BOM
Semantic Object	MasterData
Action	consolidate
SAPUI5 Application	/UGIEAMUI/PROCESSDATA

Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDC_BC_FLOC_MONPROCS	CMD - Consolidation and Mass Processing for FLOC Data
Business Group (Launchpad)	/UGIEAMUI/SAP_MDC_BCG_FLOC_MONPROCS	Consolidation and Mass Processing for FLOC Data
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDC_BCR_FLOC_BOM	Mass Processing and Consolidation for FLOC BOM (MDC) - Apps

## OData Services

You must activate the following OData services on the Front-end server.

### Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_PROCESS_SRV_185	001

## Implementation Tasks

The following tasks are performed to implement the required components of the app. The following tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG MDC UI5 Application is available under ICF node:

/DEFAULT\_HOST/SAP/OPU/ODATA//UGI/MDC\_EAM\_PROCESS\_SRV\_185

Component	Technical Name
OData Service (Version Number)	/UGI/MDC_PROCESS_SRV_185 (001)

### Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node:

/default\_host/sap/bc/ui5\_ui5/ugieamui/mdc\_process\_eam.

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

## Manage Consolidation Process - Functional Location

This is a transactional application used to manage processes for consolidation. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation (MDC).

## Key Features

The significant features for the application can be listed as following:

- Process table for a user new to MDC (MBOM).
- Option to create or delete process.
- On navigation, users can check for validations, activations or replications.
- Rollback or deletion of any process is supported.

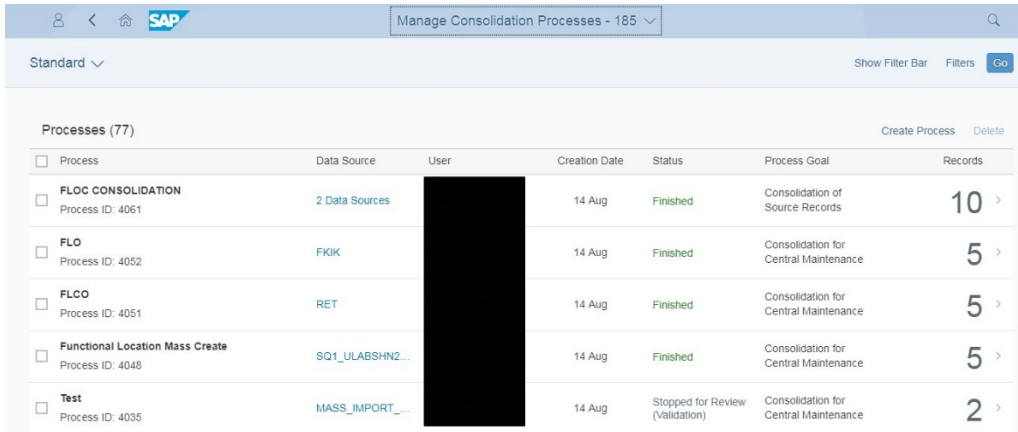
## Technical Features

The technical features for the application can be listed as following:

- Filter or search of process is supported
- Creation or deletion of process is supported

## Product Features:

A general business user with no master data knowledge or SAP MDC application knowledge can manage process and activate it.



Process	Data Source	User	Creation Date	Status	Process Goal	Records
<input type="checkbox"/> FLOC CONSOLIDATION Process ID: 4061	2 Data Sources	[REDACTED]	14 Aug	Finished	Consolidation of Source Records	10
<input type="checkbox"/> FLO Process ID: 4052	FKIK	[REDACTED]	14 Aug	Finished	Consolidation for Central Maintenance	5
<input type="checkbox"/> FLCO Process ID: 4051	RET	[REDACTED]	14 Aug	Finished	Consolidation for Central Maintenance	5
<input type="checkbox"/> Functional Location Mass Create Process ID: 4048	SQ1_ULABSHN2...	[REDACTED]	14 Aug	Finished	Consolidation for Central Maintenance	5
<input type="checkbox"/> Test Process ID: 4035	MASS_IMPORT...	[REDACTED]	14 Aug	Stopped for Review (Validation)	Consolidation for Central Maintenance	2

Figure 19: MDC FLOCBOM Fiori App – Consolidation Process

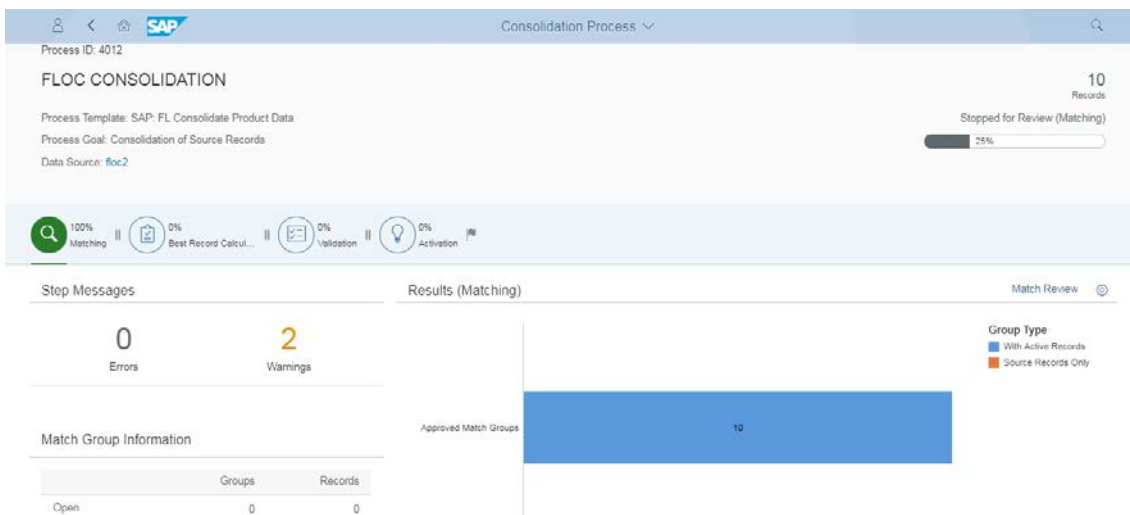


Figure 20: MDC FLOCBOM Fiori App – Consolidation Process

## Configuration Details

The following sections list app-specific data required to configure the app:

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the Front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

### SAP Fiori Launchpad

You require the following data to enable users to access to the app in the SAP Fiori MDC Launchpad.

## Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDC_BC_FLOC_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_FLOC_BOM
Semantic Object	MasterData
Action	consolidate
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDC_BC_FLOC_MONPROCS	CMD - Consolidation and Mass Processing for FLOC Data
Business Group (Launchpad)	/UGIEAMUI/SAP_MDC_BCG_FLOC_MONPROCS	Consolidation and Mass Processing for FLOC Data
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDC_BCR_FLOC_BOM	Mass Processing and Consolidation for FLOC BOM (MDC) - Apps

## OData Services

You must activate the following OData services on the Front-end server.

### Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_PROCESS_SRV_185	001

## Implementation Tasks

The following tasks are performed to implement the required components of the app. The following tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG MDC UI5 Application is available under ICF  
 NODE:/DEFAULT\_HOST/SAP/OPU/ODATA/UGI/MDC\_EAM\_PROCESS\_SRV\_185

Component	Technical Name
OData Service (Version Number)	/UGI/MDC_PROCESS_SRV_185 (001)

### Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node:  
 /default\_host/sap/bc/ui5\_ui5/ugieamui/processdata

Component	Technical Name
-----------	----------------



SAP UI5 Application	/UGIEAMUI/MDC_PROCESS_EAM
---------------------	---------------------------

## Start Mass Processing - Functional Location

This is a transactional application used to start mass processing for consolidation. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation (MDC).

### Key Features

The significant features for the application can be listed as following:

- Option to import data to start mass processing.
- Displays configuration and other details to process.
- Option to save or delete process.

### Technical Features

The technical features for the application can be listed as following:

- Enables you to adjust configuration for mass processing.
- Application enables you to upload documents.

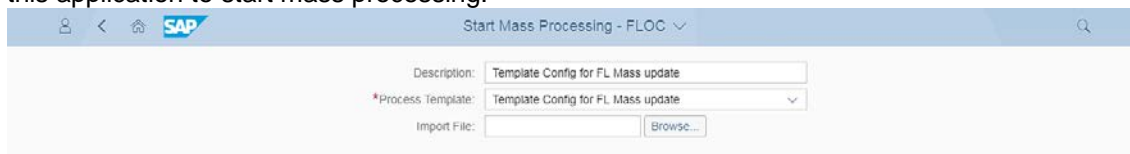


#### Note

- For security reasons, SAP recommends you to install the appropriate virus scanner in the respective Back-end system and define sufficiently restrictive scan profiles to prevent the upload of malicious content.  
For more information about virus scanning and scan profiles for SAP Fiori apps, refer [Virus Scanning](#).

### Product Features

A general business user with no master data knowledge or SAP MDC application knowledge can use this application to start mass processing.



The screenshot shows the SAP Fiori app interface for 'Start Mass Processing - FLOC'. The header bar is blue with the SAP logo and a search icon. Below the header, there is a form with the following fields:

- Description: Template Config for FL Mass update
- \*Process Template: Template Config for FL Mass update (dropdown menu)
- Import File: [text input] [Browse... button]

Figure 21: MDC FLOCBOM Fiori App – Start Mass Processing

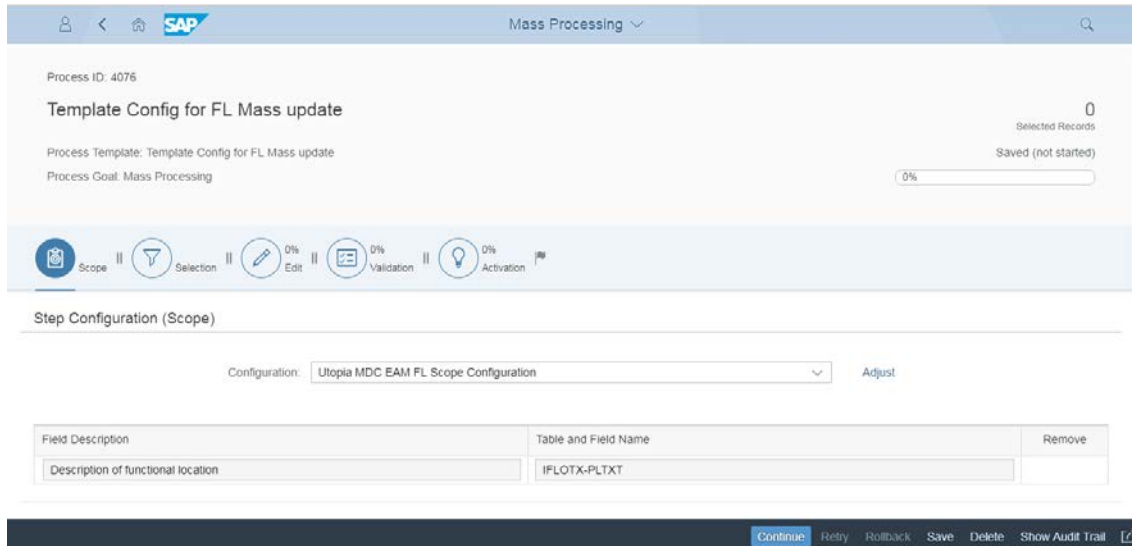


Figure 22: MDC FLOCBOM Fiori App – Start Mass Processing

## Configuration Details

The following sections list app-specific data required to configure the app:

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the Front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

### SAP Fiori Launchpad

You require the following data to give users access to the app in the SAP Fiori MDC Launchpad.

## Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDC_BC_FLOC_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_FLOC_BOM
Semantic Object	MasterData
Action	change
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDC_BC_FLOC_MONPROCS	CMD - Consolidation and Mass Processing for FLOC Data
Business Group (Launchpad)	/UGIEAMUI/SAP_MDC_BCG_FLOC_MONPROCS	Consolidation and Mass Processing for FLOC Data
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDC_BCR_FLOC_BOM	Mass Processing and Consolidation for FLOC BOM (MDC) – Apps

## OData Services

You must activate the following OData services on the Front-end server.

### Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_EAM_PROCESS_SRV_185	001

## Implementation Tasks

The following sections list tasks to be performed to implement the required components of the app. The tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG MDC OData services would be available under ICF node:/SAP/OPU/ODATA/UGI/MDC\_PROCESS\_SRV\_185

Component	Technical Name
OData Service (Version Number)	/UGI/MDC_PROCESS_SRV_185 (001)

### Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node:  
/sap/bc/ui5\_ui5/ugieamui/mdc\_process\_eam

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

## Manage Mass Processes – Functional Location

This is a transactional application used to manage mass processing for consolidation. This application is easily accessible to a user who has partial knowledge of Master Data Consolidation (MDC).

### Key Features

The significant features for the application can be listed as following:

- Option to create or delete process
- Displays list of process with status and number of records.
- Displays success, warning or error in graphical notation.

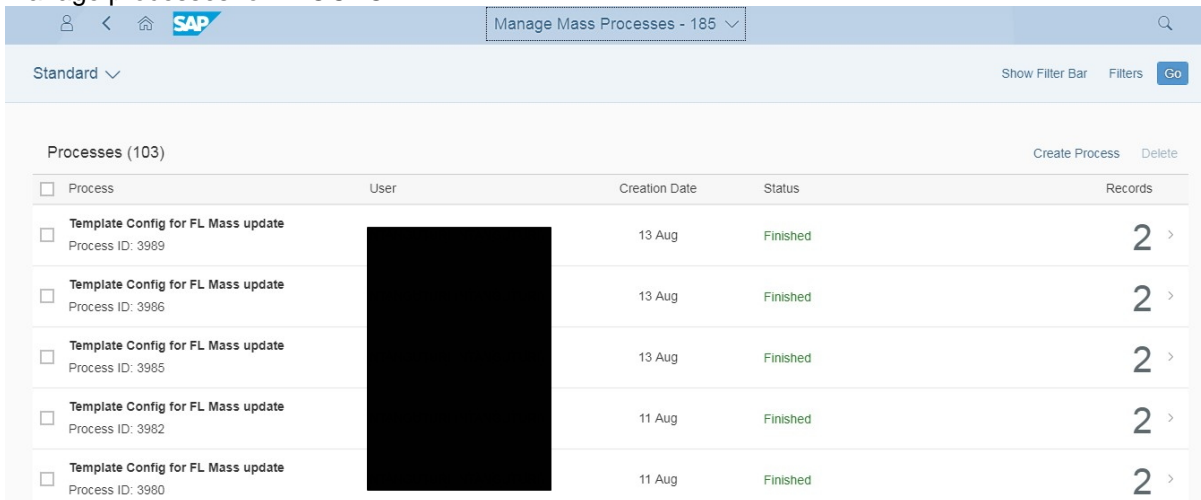
### Technical Features

The technical features for the application can be listed as following:

- Enables you to filter records as per need
- Enables you to rollback or delete process if required

## Product Features

A general business user having no master data knowledge or SAP MDC application knowledge can manage processes for FLOCBOM.



Process	User	Creation Date	Status	Records
<input type="checkbox"/> Template Config for FL Mass update Process ID: 3989		13 Aug	Finished	2 >
<input type="checkbox"/> Template Config for FL Mass update Process ID: 3986		13 Aug	Finished	2 >
<input type="checkbox"/> Template Config for FL Mass update Process ID: 3985		13 Aug	Finished	2 >
<input type="checkbox"/> Template Config for FL Mass update Process ID: 3982		11 Aug	Finished	2 >
<input type="checkbox"/> Template Config for FL Mass update Process ID: 3980		11 Aug	Finished	2 >

Figure 23: MDC FLOCBOM Fiori App – Manage Mass Processes

## Configuration Details

The following sections list app-specific data required to configure the app:

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the Front-end server:

Component	Technical Name
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

### SAP Fiori Launchpad

You require the following data to enable users to access the app in the SAP Fiori FMS Launchpad.

## Technical Configuration

Technical Catalog	/UGIEAMUI/SAP_MDC_BC_FLOC_MONPROCS
TECHNICAL_PFCG_ROLE	/UGIEAMUI/SAP_MDC_BCR_FLOC_BOM
Semantic Object	MasterData
Action	change
SAPUI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

Business Catalog (Launchpad)	/UGIEAMUI/SAP_MDC_BC_FLOC_MONPROCS	CMD - Consolidation and Mass Processing for FLOC Data

Business Group (Launchpad)	/UGIEAMUI/SAP_MDC_BCG_FLOC_MONPROCS	Consolidation and Mass Processing for FLOC Data
PFCG role for Business Catalog	/UGIEAMUI/SAP_MDC_BCR_FLOC_BOM	Mass Processing and Consolidation for FLOC BOM (MDC) - Apps

## OData Services

You must activate the following OData services on the Front-end server.

### Note

Users require PFCG authorization for the Front-end and Back-end systems.

OData Service	Version
/UGI/MDC_PROCESS_SRV_185	001

## Implementation Tasks

The following sections list tasks to be performed to implement the required components of the app. The tables contain the app-specific data required for these tasks.

### Front-end Server: Activate OData Services

The MDG FMS OData services is available under ICF node:/SAP/OPU/ODATA/UGI/MDC\_PROCESS\_SRV\_185

Component	Technical Name
OData Service (Version Number)	/UGI/MDC_PROCESS_SRV_185 (001)

### Front-end Server: Activate SAP UI5 Application

The MDG MDC UI5 Application is available under ICF node:  
/sap/bc/ui5\_ui5/ugieamui/mdc\_process\_eam

Component	Technical Name
SAP UI5 Application	/UGIEAMUI/MDC_PROCESS_EAM

## MDC Fiori App Launchpad

MDC Fiori App Launchpad consists of 3 main objects. They are the Consolidation and Mass Processing for MBOM Data, Consolidation and Mass Processing for EQ Data, Consolidation and Mass Processing for FLOC Data. The objects are further subdivided into multiple objects.

The following screen displays the MDC Fiori App Launchpad:

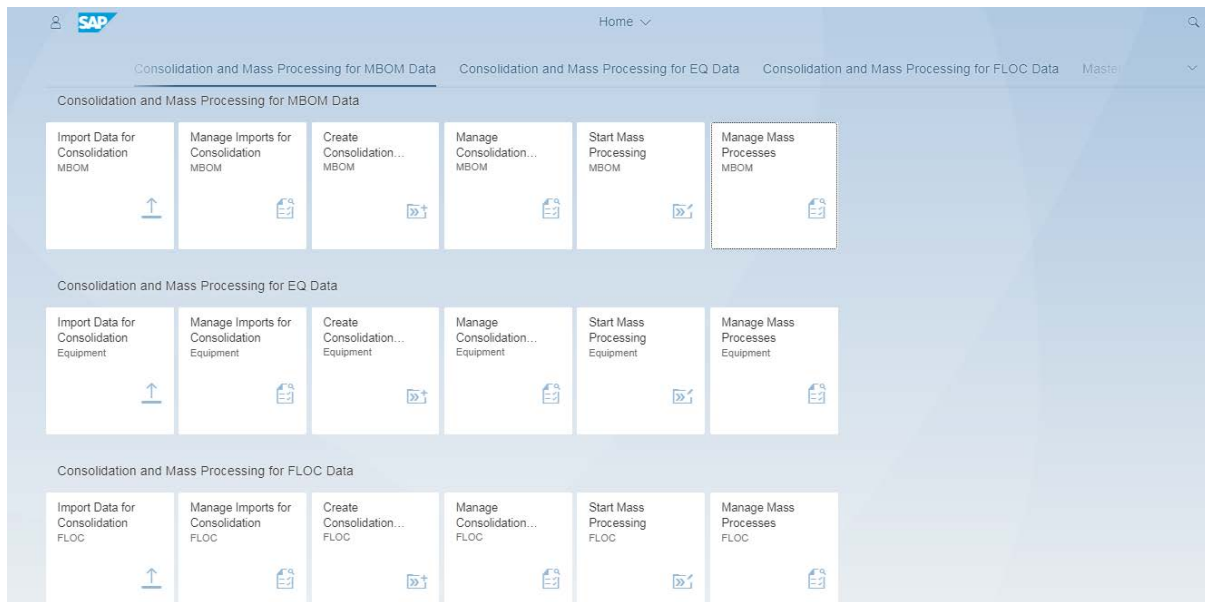


Figure 24: MDC Fiori App – Launchpad

## Additional Steps

You can also execute the following steps:

1. Enable App for Access in SAP Fiori Launchpad
2. Defining the access of single users to this app in the SAP Fiori Launchpad
3. Delivering the technical content such as catalogs and example roles.

## Front-end Server and Back-end Server

Assigning OData Service Authorizations to Users. You must assign OData service authorizations for the app to your users.

## Implementing Master Data Consolidation and Mass Processing Apps for EAM Objects

The SAP Fiori MDC Consolidation and Mass Processing apps for EAM Objects are to help a user with less expertise in master data handling but can create a new organization for areas such as customer and supplier. Such users with limited information can easily send a request to the master data expert.

The following SAP Fiori applications are delivered out-of-the-box for the Master Data Consolidation and Mass Processing for EAM scenario:

- [Import Data for Consolidation - MBOM](#)
- [Manage Imports for Consolidation – MBOM](#)
- [Create Consolidation Process – MBOM](#)
- [Manage Consolidation Process – MBOM](#)
- [Start Mass Processing – MBOM](#)
- [Manage Mass Processing – MBOM](#)
- [Import Data for Consolidation - Equipment](#)
- [Manage Imports for Consolidation – Equipment](#)
- [Create Consolidation Process – Equipment](#)
- [Manage Consolidation Process – Equipment](#)

- [Start Mass Processing – Equipment](#)
- [Manage Mass Processing - Equipment](#)
- [Import Data for Consolidation – Functional Location](#)
- [Manage Imports for Consolidation – Functional Location](#)
- [Create Consolidation Process – Functional Location](#)
- [Manage Consolidation Process – Functional Location](#)
- [Start Mass Processing – Functional Location](#)
- [Manage Mass Processing - Functional Location](#)

## Appendix 2: Glossary and Abbreviations for MDC

This section describes the important terms and abbreviations used in this document.

Term / Abbreviation	Description
DB	Database
MDC	Master Data Consolidation and Mass Processing
MDQ	Master Data Quality
GW	Gateway
ICF	Internet Communication Framework
IDoc	Intermediate Document
MRO	Maintenance, Repair, and Overhaul
NW	NetWeaver
OData	Open Data Protocol
t-code	SAP Transaction Code
UI	User Interface
NW	NetWeaver