



*Perfect data is perfectly possible with Utopia.*

## Implementation Guide for Fiori Application for SAP Asset Information Workbench Solutions by Utopia

Release AIW 1909

## Document History

The following table provides an overview of the most important document changes and approvals.

Version	Date	Description	Name
1.0	02-12-2019	Final version	P Rashmi

## Approval History

Version	Date	Description	Name
1.0	02-12-2019	Approved version	Kumar Saurav

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## Introduction

This document covers the requirements and the tasks necessary to implement Fiori App (application) on AIW 1909 Solutions for MDG by Utopia.

## Purpose

This document 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.

## Audience

The target audience for this document is anyone involved in installing, configuring, and implementing SAP Fiori App on AIW Solutions for MDG by Utopia.

The primary audience comprises of the following:

- System administrators responsible for installing and configuring SAP Fiori App on Utopia AIW Solutions for MDG by Utopia.
- Users of AIW Solutions for MDG by Utopia.

## Prerequisite

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

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

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): S4CORE 103 SP02 MDG 803 SP02.

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.

### 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.

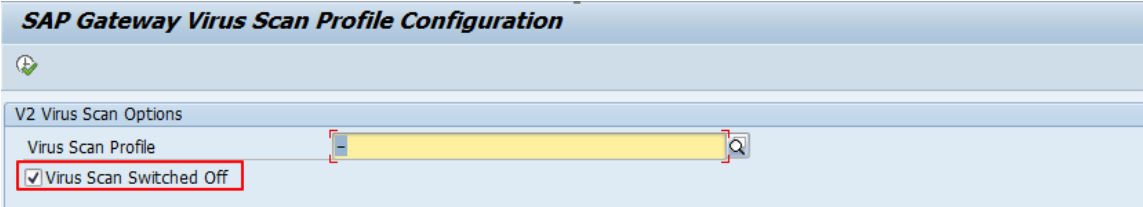
The required software components for the app are contained in the listed product instances:

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 AIW	<ul style="list-style-type: none"> <li>• UI for MDG MDGUX 803 SP 02</li> </ul>	UGIAIWUI – Utopia Software Component
<b>Back-end components</b>	SAP Master Data Governance 803 (Initial Shipment Stack)	<ul style="list-style-type: none"> <li>• MDG UI Ext. on S4CORE 103</li> <li>• Master Data Governance</li> <li>• SAP_GWFND 753 SP 02</li> </ul>	UGIOD07

You can upload the documents through MDG AIW 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 [Virus Scanning](#).

### Note

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

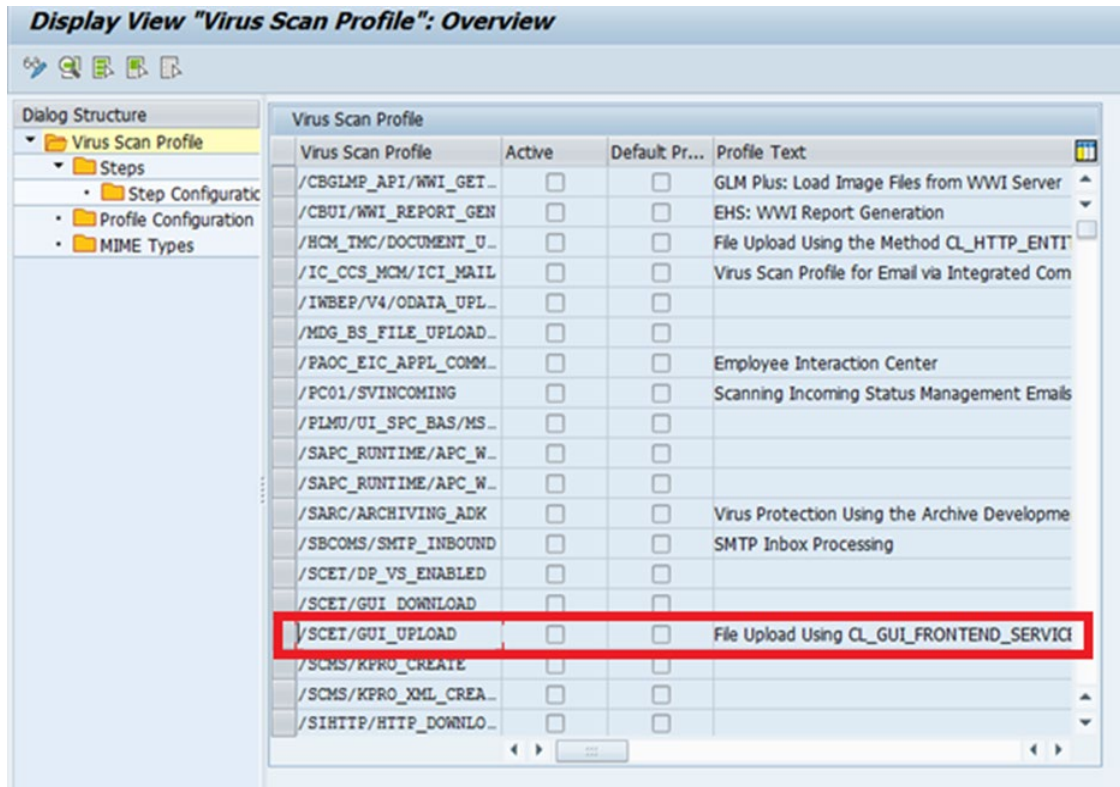


The screenshot shows the 'SAP Gateway Virus Scan Profile Configuration' window. Under the 'V2 Virus Scan Options' section, the 'Virus Scan Profile' is set to a yellow bar. Below it, the checkbox 'Virus Scan Switched Off' is checked and highlighted with a red box.

### Note

1. The service for starting the FIORI launchpad /n/UI2/flp shall be activated.
  - a. /UI2/INTEROP
  - b. /UI2/TRANSPORT
  - c. /UI2/PAGE\_BUILDER\_PERS
  - d. /UI2/PAGE\_BUILDER\_CUST
  - e. /UI2/PAGE\_BUILDER\_CONF
2. 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
3. Virus Scan Virus Scan Profile - /SCET/GUI\_UPLOAD must be disabled in VSCANPROFILE



4. HTTPS Port enabled for 443XX.

## AIW Fiori App Implementation

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

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

## Required Back-End Product

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

Any database (DB)

## Implementation Information

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

## 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</li> <li>AIW Solution 1909 by Utopia</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>AIW SOLUTIONS MDG 1909 by UTOPIA</li> </ul>
Software Component Version	<ul style="list-style-type: none"> <li>UGIAIWUI - Asset Information Workbench UI by Utopia – 1909</li> </ul>
Prerequisite for installation	AIW SOLUTION 1909 by UTOPIA is an add-on to: <ul style="list-style-type: none"> <li>UIBAS001 400 SP02- UI for Basis Applications 1.0, or</li> <li>SAP_GWFND 753 SP02 - SAP Gateway Foundation 7.40, or</li> <li>S4HANA on Premise 1909</li> </ul>

Back-end components (ABAP)	
Product Version	<ul style="list-style-type: none"> <li>SAP MASTER DATA GOVERNANCE 803</li> <li>AIW Solution 1909 by Utopia</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>AIW SOLUTIONS MDG 1909 by UTOPIA</li> </ul>
Software Component Version	<ul style="list-style-type: none"> <li>UGIOD07 – AIW Fiori Integration extension by Utopia – 1909</li> </ul>
Prerequisite for installation	UTOPIA AIW SOLUTIONS MDG 1909 is an add-on to <ul style="list-style-type: none"> <li>UIBAS001 400 SP02- UI for Basis Applications 1.0, or</li> <li>SAP_GWFND 753 SP02 - SAP Gateway Foundation 7.40, or</li> <li>S4HANA on Premise 1909</li> </ul>



## Configuration

The following topics are described in the section:

- [Configuring SAP AIW Fiori Applications for MDG](#)
- [Assigning System Alias for OData Services](#)
- [Activate ICF Nodes for OData Services](#)

## Configuring SAP AIW Fiori Applications for MDG

### Note

Roles, 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 MDG, execute the following steps:

1. Configure the SAP Fiori Launchpad for MDG.
  - a. Activate the SICF nodes respective to the object as described in the above section under each object for both UI5 application and OData services.
  - b. Activate the standard UI2 service to view the applications in the launchpad as below:

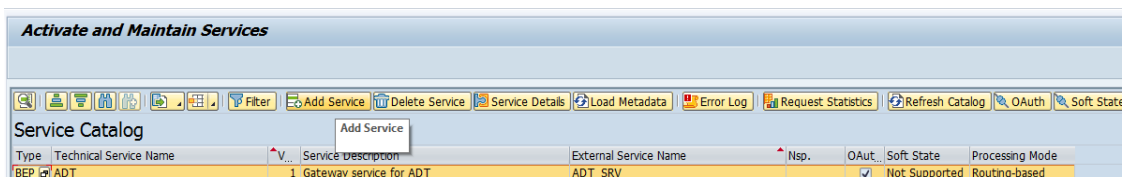
The following services need to be added with system alias using t-code /IWFND/MAINT\_SERVICES.

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

## Set System Alias

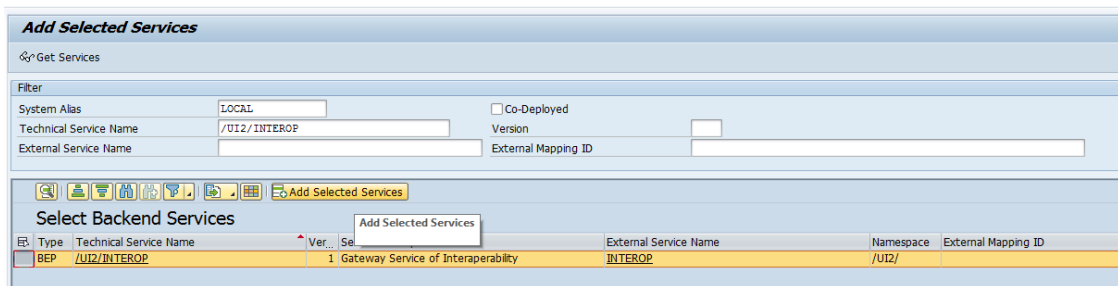
Use the following steps to set the system alias:

1. Add new service.



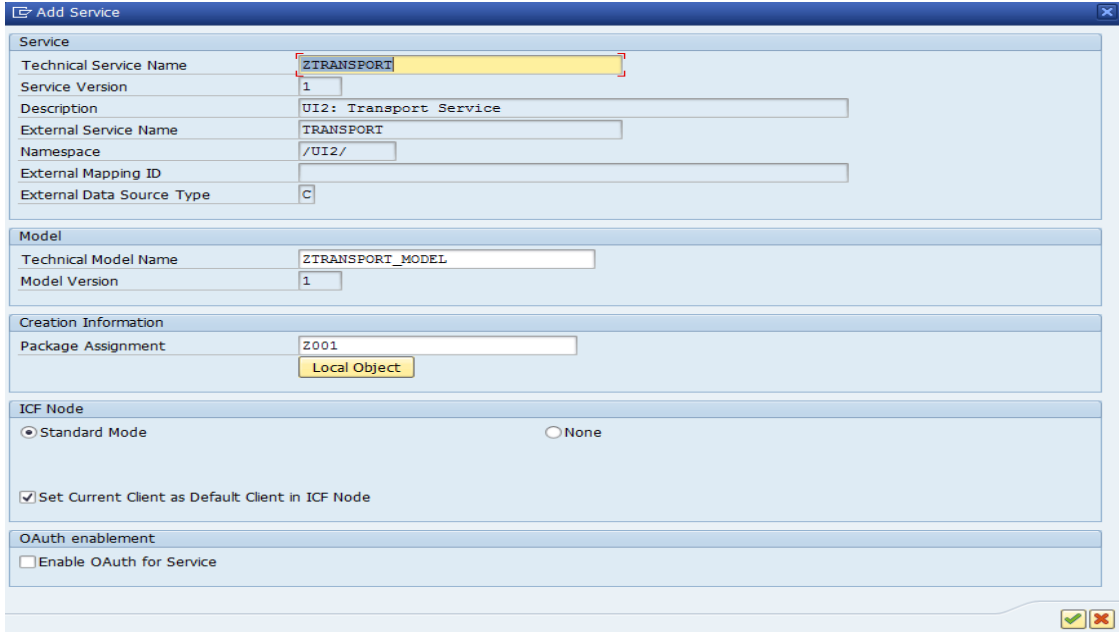
Type	Technical Service Name	Service Description	External Service Name	Nsp.	OAut.	Soft State	Processing Mode
BEP	ADT	1 Gateway service for ADT	ADT_SRV			Not Supported	Routing-based

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



Type	Technical Service Name	Ver...	Se...	External Service Name	Namespace	External Mapping ID
BEP	/UI2/INTEROP			INTEROP	/UI2/	

## 4. Add the service.



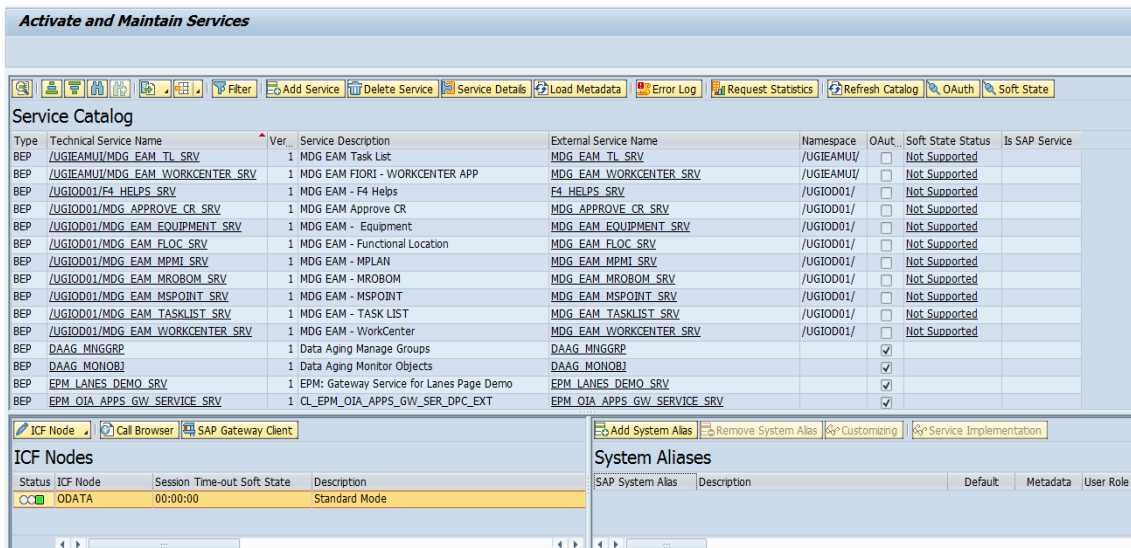
After successful activation the list of “Selected Backend Services” is empty.

5. Repeat steps a. to c. in [Configuring SAP AIW Fiori applications for MDG](#) for all the listed services.
6. Finally, navigate to SICF and check that the services are active under the branch sap/opu/odata/ui2.

## 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



Type	Technical Service Name	Ver.	Service Description	External Service Name	Namespace	OAu.	Soft State Status	Is SAP Service
BEP	/UGIEAMUI/MDG_EAM_TL_SRV	1	MDG EAM Task List	MDG_EAM_TL_SRV	/UGIEAMUI/	<input type="checkbox"/>	Not Supported	
BEP	/UGIEAMUI/MDG_EAM_WORKCENTER_SRV	1	MDG EAM FIORI - WORKCENTER APP	MDG_EAM_WORKCENTER_SRV	/UGIEAMUI/	<input type="checkbox"/>	Not Supported	
BEP	/UGIOD01/F4_HELPERS_SRV	1	MDG EAM - F4 Helps	F4_HELPERS_SRV	/UGIOD01/	<input type="checkbox"/>	Not Supported	
BEP	/UGIOD01/MDG_APPROVE_CR_SRV	1	MDG EAM Approve CR	MDG_APPROVE_CR_SRV	/UGIOD01/	<input type="checkbox"/>	Not Supported	
BEP	/UGIOD01/MDG_EAM_EQUIPMENT_SRV	1	MDG EAM - Equipment	MDG_EAM_EQUIPMENT_SRV	/UGIOD01/	<input type="checkbox"/>	Not Supported	
BEP	/UGIOD01/MDG_EAM_FLOC_SRV	1	MDG EAM - Functional Location	MDG_EAM_FLOC_SRV	/UGIOD01/	<input type="checkbox"/>	Not Supported	
BEP	/UGIOD01/MDG_EAM_MPML_SRV	1	MDG EAM - MPLAN	MDG_EAM_MPML_SRV	/UGIOD01/	<input type="checkbox"/>	Not Supported	
BEP	/UGIOD01/MDG_EAM_MROBOM_SRV	1	MDG EAM - MROBOM	MDG_EAM_MROBOM_SRV	/UGIOD01/	<input type="checkbox"/>	Not Supported	
BEP	/UGIOD01/MDG_EAM_MSPPOINT_SRV	1	MDG EAM - MSPPOINT	MDG_EAM_MSPPOINT_SRV	/UGIOD01/	<input type="checkbox"/>	Not Supported	
BEP	/UGIOD01/MDG_EAM_TASKLIST_SRV	1	MDG EAM - TASK LIST	MDG_EAM_TASKLIST_SRV	/UGIOD01/	<input type="checkbox"/>	Not Supported	
BEP	/UGIOD01/MDG_EAM_WORKCENTER_SRV	1	MDG EAM - WorkCenter	MDG_EAM_WORKCENTER_SRV	/UGIOD01/	<input type="checkbox"/>	Not Supported	
BEP	DAAG_MNGGRP	1	Data Aging Manage Groups	DAAG_MNGGRP		<input checked="" type="checkbox"/>		
BEP	DAAG_MONOBJ	1	Data Aging Monitor Objects	DAAG_MONOBJ		<input checked="" type="checkbox"/>		
BEP	EPM_LANES_DEMO_SRV	1	EPM: Gateway Service for Lanes Page Demo	EPM_LANES_DEMO_SRV		<input checked="" type="checkbox"/>		
BEP	EPM_OIA_APPS_GW_SERVICE_SRV	1	CL_EPM_OIA_APPS_GW_SER_DPC_EXT	EPM_OIA_APPS_GW_SERVICE_SRV		<input checked="" type="checkbox"/>		

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

SAP System Alias	Description	Default	Metadata	User Role
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- Select the respective service (for all the listed services in Section: [Activate ICF Nodes for OData services](#) Table 1: [AIW FIORI NW OData services](#).

**Activate and Maintain Services**

Filter Add Service Delete Service Service Details Load Metadata Error Log Request Statistics Refresh Catalog OAuth Soft State

**Service Catalog**

Type	Technical Service Name	Service Description	External Service Name	Nsp.	OAut.	Soft State	Processing Mode
BEP	ADT	1 Gateway service for ADT	ADT_SRV		<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	/UGIOD07/AIW_APPROVE_SRV	1 AIW Approve Service	AIW_APPROVE_SRV	/UGIOD0...	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/UGIOD07/AIW_SRV	1 UGI AIW	AIW_SRV	/UGIOD0...	<input type="checkbox"/>	Not Supported	Routing-based
BEP	ZAPL_LOG_MANAGEMENT_SRV	1 Application Log management	APL_LOG_MANAGEMENT_SRV		<input type="checkbox"/>	Not Supported	Routing-based
BEP	/IWBEP/ZTEA_BATCH_AT_ONCE	1 Test implementation for batch@once option	BATCH_AT_ONCE_TEST	/IWBEP/	<input type="checkbox"/>	Inactive	Routing-based
BEP	CA_DATA_MODEL_SRV	1 Odata service for data model	CA_DATA_MODEL_SRV		<input type="checkbox"/>	Not Supported	Routing-based
BEP	CA_INFORMATION_SRV	1 Information Management	CA_INFORMATION_SRV		<input type="checkbox"/>	Not Supported	Routing-based
BEP	/IWFND/SG_MED_CATALOG	1 Catalog Service	CATALOGSERVICE	/IWFND/	<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	/IWFND/SG_MED_CATALOG	2 Catalog Service Version 2	CATALOGSERVICE	/IWFND/	<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	/UGIEAMX/EAM_HEADER_TXT_SRV	1 UGI EAM 730 Header text	EAM_HEADER_TXT_SRV	/UGIEAM...	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/UGIEXCEL/EAM_HEADER_TXT_SRV	1 UGI AIW Header text	EAM_HEADER_TXT_SRV	/UGIEXC...	<input type="checkbox"/>	Not Supported	Routing-based
BEP	EPM_OIA_L_1_SRV_01	1 OIA Service	EPM_OIA_L_1_SRV_01		<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	EPM_OIA_L_SRV	1 OIA using SAP Lumira	EPM_OIA_L_SRV		<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	EPM_VP_L_BT_30_60_SRV	1 OIA Dashboard Open Days	EPM_VP_L_BT_30_60_SRV		<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	EPM_VP_L_BT_60_90_SRV	1 OIA Dashboard Open Days	EPM_VP_L_BT_60_90_SRV		<input checked="" type="checkbox"/>	Not Supported	Routing-based

- Click on "Add System Alias" button.

**Activate and Maintain Services**

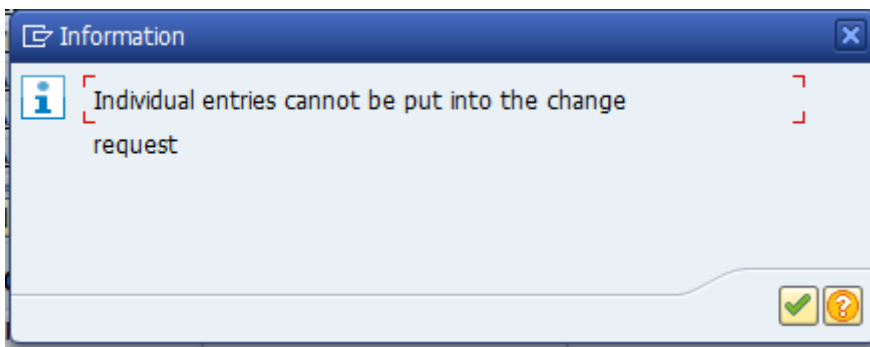
Filter Add Service Delete Service Service Details Load Metadata Error Log Request Statistics Refresh Catalog OAuth Soft State

**Service Catalog**

Type	Technical Service Name	Service Description	External Service Name	Nsp.	OAut.	Soft State	Processing Mode
BEP	ADT	1 Gateway service for ADT	ADT_SRV		<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	/UGIOD07/AIW_APPROVE_SRV	1 AIW Approve Service	AIW_APPROVE_SRV	/UGIOD0...	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/UGIOD07/AIW_SRV	1 UGI AIW	AIW_SRV	/UGIOD0...	<input type="checkbox"/>	Not Supported	Routing-based
BEP	ZAPL_LOG_MANAGEMENT_SRV	1 Application Log management	APL_LOG_MANAGEMENT_SRV		<input type="checkbox"/>	Not Supported	Routing-based
BEP	/IWBEP/ZTEA_BATCH_AT_ONCE	1 Test implementation for batch@once option	BATCH_AT_ONCE_TEST	/IWBEP/	<input type="checkbox"/>	Inactive	Routing-based
BEP	CA_DATA_MODEL_SRV	1 Odata service for data model	CA_DATA_MODEL_SRV		<input type="checkbox"/>	Not Supported	Routing-based
BEP	CA_INFORMATION_SRV	1 Information Management	CA_INFORMATION_SRV		<input type="checkbox"/>	Not Supported	Routing-based
BEP	/IWFND/SG_MED_CATALOG	1 Catalog Service	CATALOGSERVICE	/IWFND/	<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	/IWFND/SG_MED_CATALOG	2 Catalog Service Version 2	CATALOGSERVICE	/IWFND/	<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	/UGIEAMX/EAM_HEADER_TXT_SRV	1 UGI EAM 730 Header text	EAM_HEADER_TXT_SRV	/UGIEAM...	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/UGIEXCEL/EAM_HEADER_TXT_SRV	1 UGI AIW Header text	EAM_HEADER_TXT_SRV	/UGIEXC...	<input type="checkbox"/>	Not Supported	Routing-based
BEP	EPM_OIA_L_1_SRV_01	1 OIA Service	EPM_OIA_L_1_SRV_01		<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	EPM_OIA_L_SRV	1 OIA using SAP Lumira	EPM_OIA_L_SRV		<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	EPM_VP_L_BT_30_60_SRV	1 OIA Dashboard Open Days	EPM_VP_L_BT_30_60_SRV		<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	EPM_VP_L_BT_60_90_SRV	1 OIA Dashboard Open Days	EPM_VP_L_BT_60_90_SRV		<input checked="" type="checkbox"/>	Not Supported	Routing-based

ICF Node Call Browser SAP Gateway Client Add System Alias Remove System Alias Customizing Service Implementation

- Click on  button on information pop-up.



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

Change View "Assign SAP System Aliases to OData Service": Overview

Change View "Assign SAP System Aliases to OData Service": Overview

New Entries

Service Doc. Identifier	User Role	Host Name	SAP System Alias	Default System	Metadata Default	Tech. Svc. Name	Ext. Service Name
/UGIOD07/AIW_APPROVE_SRV_0001			LOCAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	/UGIOD07/AIW_APPROVE_SRV	AIW_APPROVE_SRV

## 6. Save your entries.

### 1 Note

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

## 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

**Activate and Maintain Services**

Service Catalog

Type	Technical Service Name	Service Description	External Service Name	Nsp.	OAut.	Soft State	Processing Mode
BEP	ADT	1 Gateway service for ADT	ADT_SRV		<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	/UGIOD07/AIW_APPROVE_SRV	1 AIW Approve Service	AIW_APPROVE_SRV	/UGIOD07	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/UGIOD07/AIW_SRV	1 UGI AIW	AIW_SRV	/UGIOD07	<input type="checkbox"/>	Not Supported	Routing-based
BEP	ZAPL_LOG_MANAGEMENT_SRV	1 Application Log management	APL_LOG_MANAGEMENT_SRV		<input type="checkbox"/>	Not Supported	Routing-based
BEP	/IWBEP/ZTEA_BATCH_AT_ONCE	1 Test implementation for batch@once option	BATCH_AT_ONCE_TEST	/IWBEP/	<input type="checkbox"/>	Inactive	Routing-based
BEP	CA_DATA_MODEL_SRV	1 Odata service for data model	CA_DATA_MODEL_SRV		<input type="checkbox"/>	Not Supported	Routing-based
BEP	CA_INFORMATION_SRV	1 Information Management	CA_INFORMATION_SRV		<input type="checkbox"/>	Not Supported	Routing-based
BEP	/IWFND/SG_MED_CATALOG	1 Catalog Service	CATALOGSERVICE	/IWFND/	<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	/IWFND/SG_MED_CATALOG	2 Catalog Service Version 2	CATALOGSERVICE	/IWFND/	<input checked="" type="checkbox"/>		Routing-based
BEP	/UGIEAMX/EAM_HEADER_TXT_SRV	1 UGI EAM 730 Header text	EAM_HEADER_TXT_SRV	/UGIEAMX	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/UGIEXCEL/EAM_HEADER_TXT_SRV	1 UGI AIW Header text	EAM_HEADER_TXT_SRV	/UGIEXC	<input type="checkbox"/>	Not Supported	Routing-based
BEP	EPM_OIA_L_1_SRV_01	1 OIA Service	EPM_OIA_L_1_SRV_01		<input checked="" type="checkbox"/>		Routing-based
BEP	EPM_OIA_L_SRV	1 OIA using SAP Lumira	EPM_OIA_L_SRV		<input checked="" type="checkbox"/>		Routing-based
BEP	EPM_VP_L_BT_30_60_SRV	1 OIA Dashboard Open Days	EPM_VP_L_BT_30_60_SRV		<input checked="" type="checkbox"/>		Routing-based
BEP	EPM_VP_L_BT_60_90_SRV	1 OIA Dashboard Open Days	EPM_VP_L_BT_60_90_SRV		<input checked="" type="checkbox"/>		Routing-based

ICF Node | Call Browser | SAP Gateway Client | Add System Alias | Remove System Alias | Customizing | Service Implementation

## 2. Select the service and click on ICF Node.

**Activate and Maintain Services**

Service Catalog

Type	Technical Service Name	Service Description	External Service Name	Nsp.	OAut.	Soft State	Processing Mode
BEP	ADT	1 Gateway service for ADT	ADT_SRV		<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	/UGIOD07/AIW_APPROVE_SRV	1 AIW Approve Service	AIW_APPROVE_SRV	/UGIOD07	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/UGIOD07/AIW_SRV	1 UGI AIW	AIW_SRV	/UGIOD07	<input type="checkbox"/>	Not Supported	Routing-based
BEP	ZAPL_LOG_MANAGEMENT_SRV	1 Application Log management	APL_LOG_MANAGEMENT_SRV		<input type="checkbox"/>	Not Supported	Routing-based
BEP	/IWBEP/ZTEA_BATCH_AT_ONCE	1 Test implementation for batch@once option	BATCH_AT_ONCE_TEST	/IWBEP/	<input type="checkbox"/>	Inactive	Routing-based
BEP	CA_DATA_MODEL_SRV	1 Odata service for data model	CA_DATA_MODEL_SRV		<input type="checkbox"/>	Not Supported	Routing-based
BEP	CA_INFORMATION_SRV	1 Information Management	CA_INFORMATION_SRV		<input type="checkbox"/>	Not Supported	Routing-based
BEP	/IWFND/SG_MED_CATALOG	1 Catalog Service	CATALOGSERVICE	/IWFND/	<input checked="" type="checkbox"/>	Not Supported	Routing-based
BEP	/IWFND/SG_MED_CATALOG	2 Catalog Service Version 2	CATALOGSERVICE	/IWFND/	<input checked="" type="checkbox"/>		Routing-based
BEP	/UGIEAMX/EAM_HEADER_TXT_SRV	1 UGI EAM 730 Header text	EAM_HEADER_TXT_SRV	/UGIEAMX	<input type="checkbox"/>	Not Supported	Routing-based
BEP	/UGIEXCEL/EAM_HEADER_TXT_SRV	1 UGI AIW Header text	EAM_HEADER_TXT_SRV	/UGIEXC	<input type="checkbox"/>	Not Supported	Routing-based
BEP	EPM_OIA_L_1_SRV_01	1 OIA Service	EPM_OIA_L_1_SRV_01		<input checked="" type="checkbox"/>		Routing-based
BEP	EPM_OIA_L_SRV	1 OIA using SAP Lumira	EPM_OIA_L_SRV		<input checked="" type="checkbox"/>		Routing-based
BEP	EPM_VP_L_BT_30_60_SRV	1 OIA Dashboard Open Days	EPM_VP_L_BT_30_60_SRV		<input checked="" type="checkbox"/>		Routing-based
BEP	EPM_VP_L_BT_60_90_SRV	1 OIA Dashboard Open Days	EPM_VP_L_BT_60_90_SRV		<input checked="" type="checkbox"/>		Routing-based

ICF Node | Call Browser | SAP Gateway Client | Add System Alias | Remove System Alias | Customizing | Service Implementation

Activate  
Deactivate  
Delete

Session Time-out Soft State Description

System Aliases

SAP System Alias	Description	Default	Metadata

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 Table 1: AIW FIORI NW OData services.](#)

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

Scenario	Technical Service Name
Create/Change	/UGIOD07/AIW_SRV

<b>Approve</b>	/UGIOD07/AIW_APPROVE_SRV
<b>F4 Service</b>	/UGIOD07/F4_HELP_SRV
<b>Search</b>	/UGIOD01/EQUI_DB_SRCH_SRV/
	/UGIOD01/EQUI_HA_SRCH_SRV/
	/UGIOD01/FUNCLOC_DB_SRCH_SRV/
	/UGIOD01/FUNCLOC_HA_SRCH_SRV/
	/UGIOD01/PMBOMHDR_DB_SRCH_SRV/
	/UGIOD01/PMBOMHDR_HA_SRCH_SRV/
	/UGIOD01/EQBOMHDR_DB_SRCH_SRV/
	/UGIOD01/EQBOMHDR_HA_SRCH_SRV/
	/UGIOD01/WBSBOMHDR_DB_SRCH_SRV/
	/UGIOD01/WBSBOMHDR_HA_SRCH_SRV/
	/UGIOD01/FLBOMHDR_DB_SRCH_SRV/
	/UGIOD01/FLBOMHDR_HA_SRCH_SRV/
	/UGIOD01/MSPOINT_DB_SRCH_SRV/
	/UGIOD01/MSPOINT_HA_SRCH_SRV/
	/UGIOD01/MPLAN_DB_SRCH_SRV/
	/UGIOD01/MPLAN_HA_SRCH_SRV/
	/UGIOD01/OBJLINK_DB_SRCH_SRV/
	/UGIOD01/OBJLINK_HA_SRCH_SRV/
	/UGIOD01/OBJNETWRK_DB_SRCH_SRV/
	/UGIOD01/OBJNETWRK_HA_SRCH_SRV/
	/UGIOD01/TASKLIST_DB_SRCH_SRV/
	/UGIOD01/TASKLIST_HA_SRCH_SRV/
	/UGIOD01/WORKCNTR_DB_SRCH_SRV/
	/UGIOD01/WORKCNTR_HA_SRCH_SRV/

Table 1: AIW FIORI NW OData services

## Activate AIW Fiori OData BC-SET

To activate BC Set, execute the below steps.

1. Go to t-code – SCRP20, enter AIW OData(/UGIOD07/SR\_DET) BC-Set as displayed in the following screen.

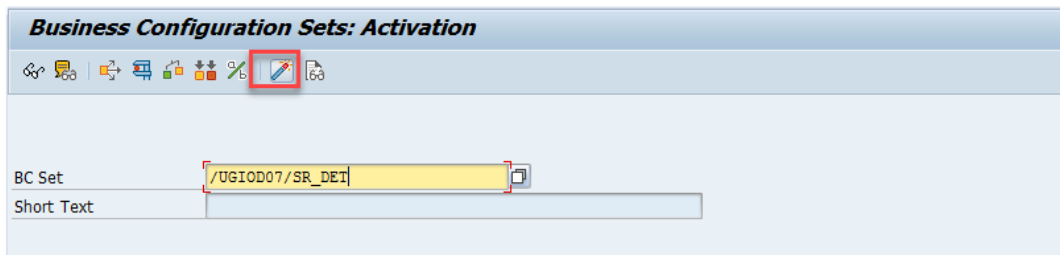


**Business Configuration Sets: Activation**

BC Set:

Short Text:

2. Click on activate button to activate the BC-Set.



## Appendix 1: Application Details

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

- [Request New AIW Change Request](#)
- [Activate AIW Change Request](#)
- [AIW Search Hierarchy and Processing](#)
- [MDG AIW Fiori App Launchpad](#)
- [Additional Steps](#)
- [Implementing Lean Request Apps in Master Data Governance AIW \(MDG AIW\)](#)

## Request New AIW Change Request

This is a transactional application and you can request a new AIW CR for an organization using this. This application is easily accessible to a user who has partial knowledge of Master data governance (MDG).

### Key Features

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

- Lean requestor form for MDG AIW users.
- Option to upload attachments containing request details.
- Creates an AIW CR with the basic data/minimum fields only.
- The F4 help in the form accepts manual entry and displays corresponding field description.
- AIW CR creation is supported.

### Technical Features

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

- Supports AIW CR creation.
- Enables you to upload documents.

#### Note

For the 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 without master data knowledge or SAP MDG application knowledge can request for creating a new MDG AIW CR.

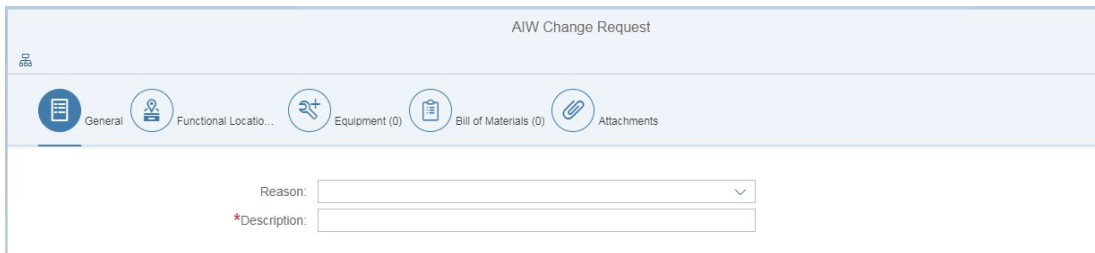


Figure 1: MDG AIW Fiori App – Request New AIW

## 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	/UGIAIWUI/AIW
	/UGIAIWUI/AIW_LIB
	/UGIEAMUI/EAM_LIB

### SAP Fiori Launchpad

The following data is required to provide the users access to the app in the SAP Fiori AIW Launchpad.

## Technical Configuration

Component	Technical Name
Technical Catalog	/UGIAIWUI/MDG_AIW_TC_T
Semantic Object	AssetInfoRequest
Action	request
SAPUI5 Application	/UGIAIWUI/AIW

Business Catalog (Launchpad)	/UGIAIWUI/MDG_AIW_BC_REQUESTOR_T	Master Data AIW Requestor (MDG) – Content
Business Group (Launchpad)	/UGIAIWUI/MDG_AIW_BCG_REQUESTOR_T	Master Data AIW Requestor

<b>PFCG role for Business Catalog</b>	/UGIAIWUI/MDG_AIW_BCR_REQUEST	Master Data AIW Requestor (MDG) - 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
/UGIOD07/AIW_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 AIW OData services would be available under ICF node:

/default\_host/sap/opu/odata/ugiod07/aiw\_srv

Component	Technical Name
<b>OData Service (Version Number)</b>	/ugiod07/aiw_srv

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

The MDG AIW UI5 Application is available under ICF node: /default\_host/sap/bc/ui5\_ui5/ugiaiwiui/

Component	Technical Name
<b>SAPUI5 Application</b>	/UGIAIWUI/AIW
	/UGIAIWUI/AIW_LIB
	/UGIEAMUI/EAM_LIB

## Activate AIW Change Request

Approve/Activate AIW Master Data app is used to approve MDG master data change requests for a new or changed master data. Once a request is submitted by requestor, it must be approved by senior steward to create or change the master data in MDG. This app enables an approver to see the details of requested master data and approve/activate or reject/send for revision accordingly.

You can use this app for the Equipment, Functional Location, Bill of Materials, Measuring Points, Maintenance Plan, Task List, Work Center, Object Links and Object Network objects.



## Key Features

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

- Approves or rejects MDG AIW Master Data.
- Activates or Send for Revision MDG AIW Master Data.
- Displays the changed CR also to approver for the master data approval.
- Displays only fields which have data entered by the requestor
- Downloads the requestor uploaded documents.


## Technical Features

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

- Enables you to approve/activate or reject/send for revision MDG AIW Master Data.
- Enables you to download documents supporting documents.

## Product Features

A general business user without master data or SAP MDG application knowledge can approve the MDG AIW Master Data Request created by the requestor.

My Change Requests			
 [Redacted] Full Name [Redacted]			
Change Requests (90)		<input type="text" value="Search"/>	
Change Request	Status	Changed On	Changed By
18312 adfg	Dependent Data to Be Processed/Approved	Sun Aug 26 2018 05:30:00 GMT+0530 (India Standard Time)	[Redacted]
18203 Mass Change [Redacted] 20180823	Changes to Be Executed	Thu Aug 23 2018 05:30:00 GMT+0530 (India Standard Time)	[Redacted]
17803 Test	Changes to Be Executed	Wed Aug 22 2018 05:30:00 GMT+0530 (India Standard Time)	[Redacted]
17740 test	Dependent Data to Be Processed/Approved	Tue Aug 21 2018 05:30:00 GMT+0530 (India Standard Time)	[Redacted]
17668 mocr	Dependent Data to Be Processed/Approved	Tue Aug 21 2018 05:30:00 GMT+0530 (India Standard Time)	[Redacted]
17667 Test All scenarios	Dependent Data to Be Processed/Approved	Tue Aug 21 2018 05:30:00 GMT+0530 (India Standard Time)	[Redacted]
17623 dsgsdgs	Changes to Be Executed	Mon Aug 20 2018 05:30:00 GMT+0530 (India Standard Time)	[Redacted]

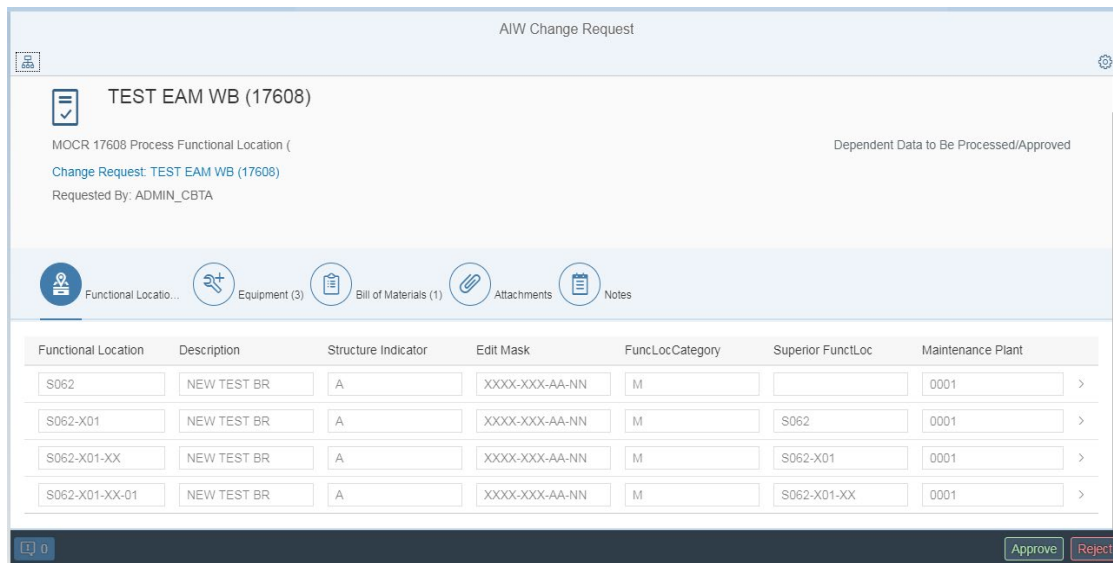


Figure 2: MDG AIW Fiori Approval App

## 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	/UGIAIWUI/AIW
	/UGIAIWUI/AIW_LIB
	/UGIEAMUI/EAM_LIB

### SAP Fiori Launchpad

The following data is required to provide the users access to the app in the SAP Fiori AIW Launchpad.

## Technical Configuration

Component	Technical Name
Technical Catalog	/UGIAIWUI/MDG_AIW_TC_T
Semantic Object	AssetInfoRequest
Action	request
SAPUI5 Application	/UGIAIWUI/AIW

Business Catalog (Launchpad)	Technical Name	Content
	/UGIAIWUI/MDG_AIW_BC_APPROVER_T	Master Data AIW Approve (MDG) - Content

<b>Business Group (Launchpad)</b>	/UGIAIWUI/MDG_AIW_BCG_APPROVER_T	Master Data AIW Approver
<b>PFCG role for Business Catalog</b>	/UGIAIWUI/MDG_AIW_BCR_APPROVE	Master Data AIW Approver (MDG) - 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
/UGIOD07/AIW_APPROVE_SRV	001

## Implementation Tasks

Perform the following tasks 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 AIW OData services would be available under ICF node:

/default\_host/sap/opu/odata/ugiod07/aiw\_approve\_srv

Component	Technical Name
<b>OData Service (Version Number)</b>	/UGIOD07/AIW_APPROVE_SRV

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

The MDG AIW UI5 Application is available under ICF node: /default\_host/sap/bc/ui5\_ui5/ugiaiwiui/

Component	Technical Name
<b>SAP UI5 Application</b>	/UGIAIWUI/AIW
	/UGIAIWUI/AIW_LIB
	/UGIEAMUI/EAM_LIB

## AIW Search Hierarchy and Processing

This is a transactional application and you can search for AIW CR for an organization using this. This application is easily accessible to a user who has partial knowledge of Master data governance (MDG).

## Key Features

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

- Lean requestor form for MDG AIW Search and Hierarchy users.
- The F4 help in the form accepts manual entry and displays corresponding field description.
- Copy Hierarchy and AIW Mass Process is supported.

## Technical Feature

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

- AIW CR creation is supported.

## Product Features

A general business user without master data knowledge or SAP MDG application knowledge can request for creating a new MDG AIW Mass Process/Copy Hierarchy.

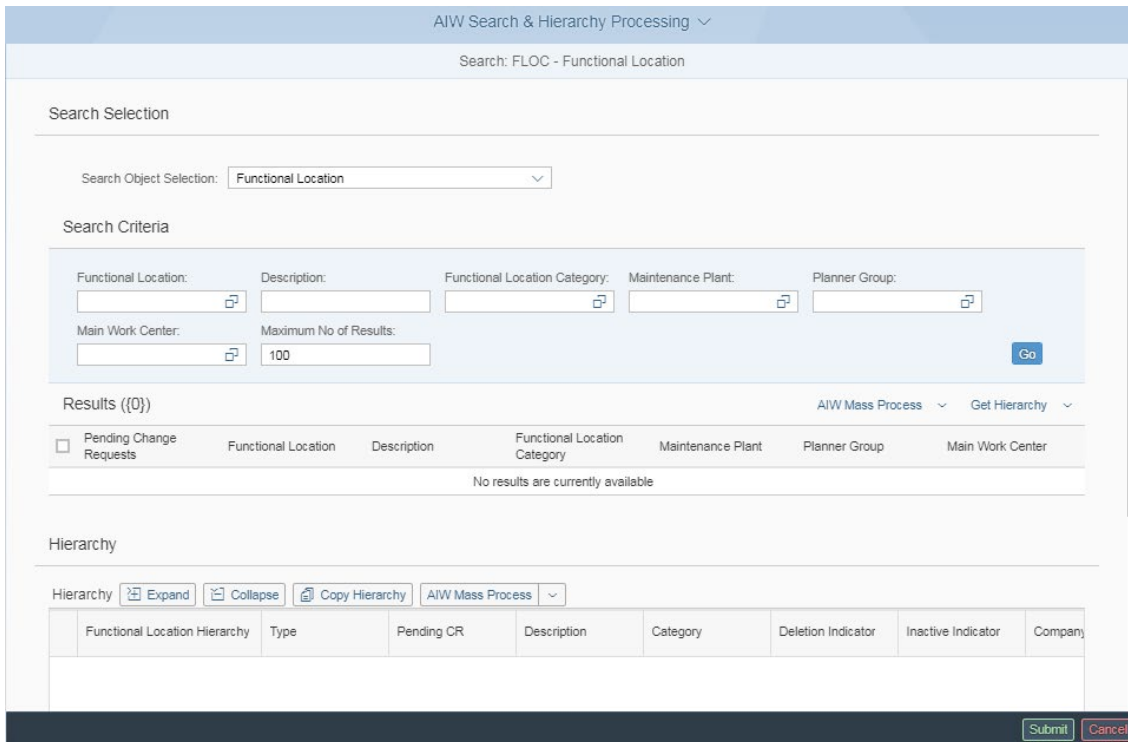


Figure 3: MDG AIW Fiori App – AIW Search Hierarchy

## 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	/UGIAIWUI/AIW_SEARCH
	/UGIAIWUI/AIW_LIB
	/UGIEAMUI/EAM_LIB

## SAP Fiori Launchpad

The following data is required to provide the users access to the app in the SAP Fiori AIW Launchpad.

## Technical Configuration

Component	Technical Name
Technical Catalog	/UGIAIWUI/MDG_AIW_TC_T
Semantic Object	AssetInfoSearch
Action	search
SAPUI5 Application	/UGIAIWUI/AIW_SEARCH

Business Catalog (Launchpad)	/UGIAIWUI/MDG_AIW_BC_SEARCH_T	Master Data AIW Requestor (MDG) – Content
Business Group (Launchpad)	/UGIAIWUI/MDG_AIW_BCG_SEARCH_T	Master Data AIW Requestor
PFCG role for Business Catalog	/UGIAIWUI/MDG_AIW_BCR_SEARCH	Master Data AIW Requestor (MDG) - 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
/UGIOD07/AIW_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 AIW OData services would be available under ICF node:  
/default\_host/sap/opu/odata/ugiod07/aiw\_srv

Component	Technical Name
OData Service (Version Number)	/ugiod07/aiw_srv

## Front-End Server: Activate SAP UI5 Application

The MDG AIW UI5 Application is available under ICF node: /default\_host/sap/bc/ui5\_ui5/ugiaiwui/

Component	Technical Name
SAPUI5 Application	/UGIAIWUI/AIW_SEARCH
	/UGIAIWUI/AIW_LIB
	/UGIEAMUI/EAM_LIB

## MDG AIW Fiori App Launchpad

MDG AIW Fiori App Launchpad consists of three main objects. They are the Master Data AIW Requestor, Master Data AIW Approver and Master Data AIW Search. The objects are further subdivided into multiple objects.

The following screen displays the MDG AIW Fiori App Launchpad:

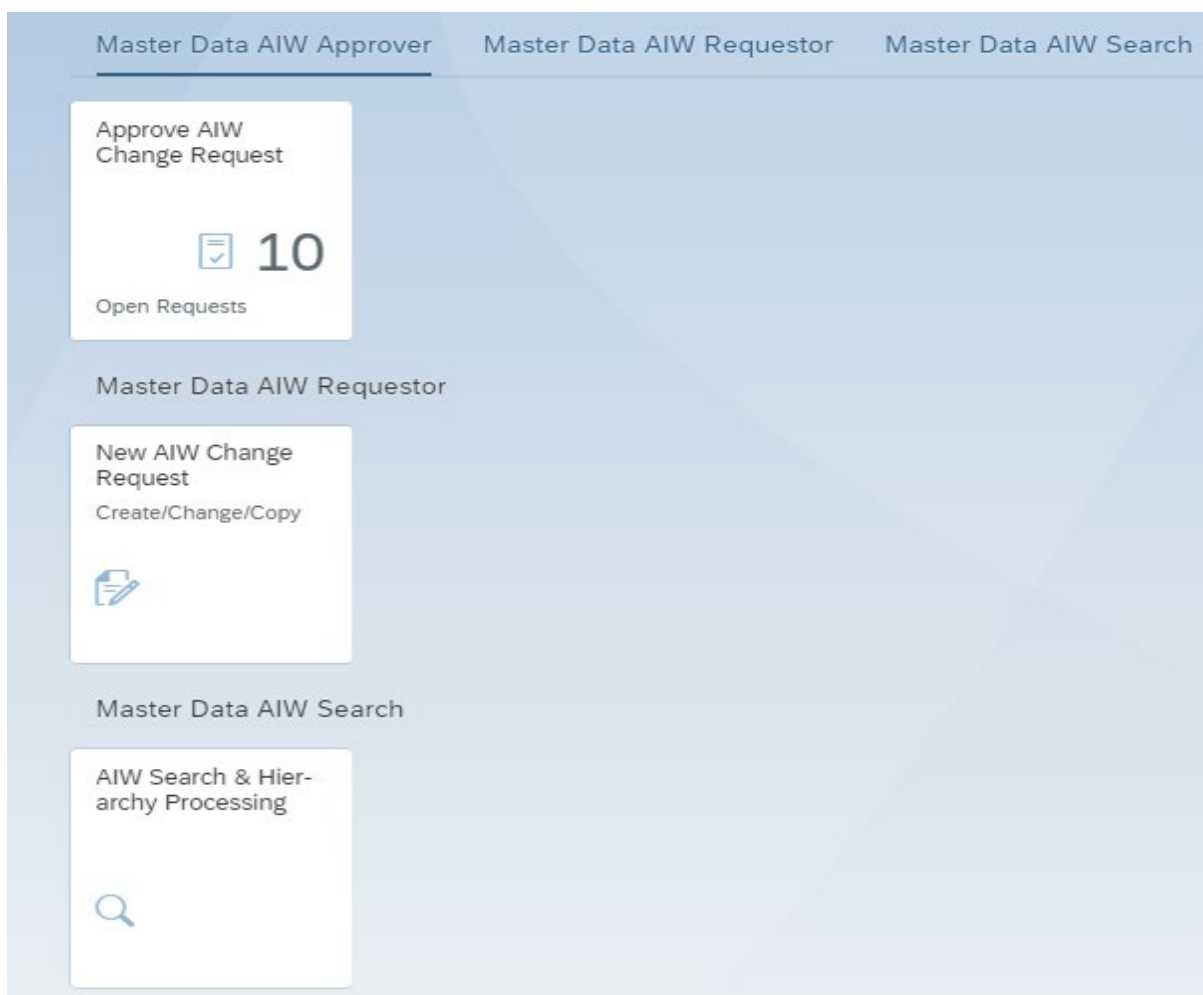


Figure 4: MDG AIW Fiori App Launchpad

## 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

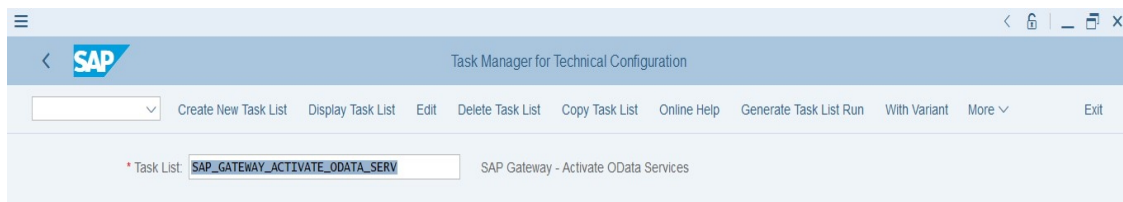
Assigning OData Service Authorizations to Users. You must assign OData service authorizations for the app to your users.

## Mass OData service configuration

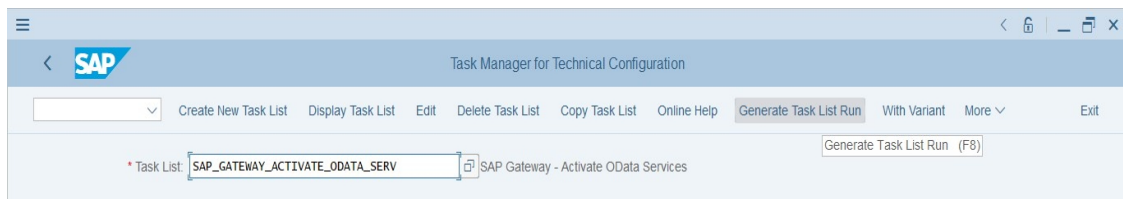
Assigning system alias and activation of OData service SICF node for multiple OData service using sap T.code SC01.

Steps:

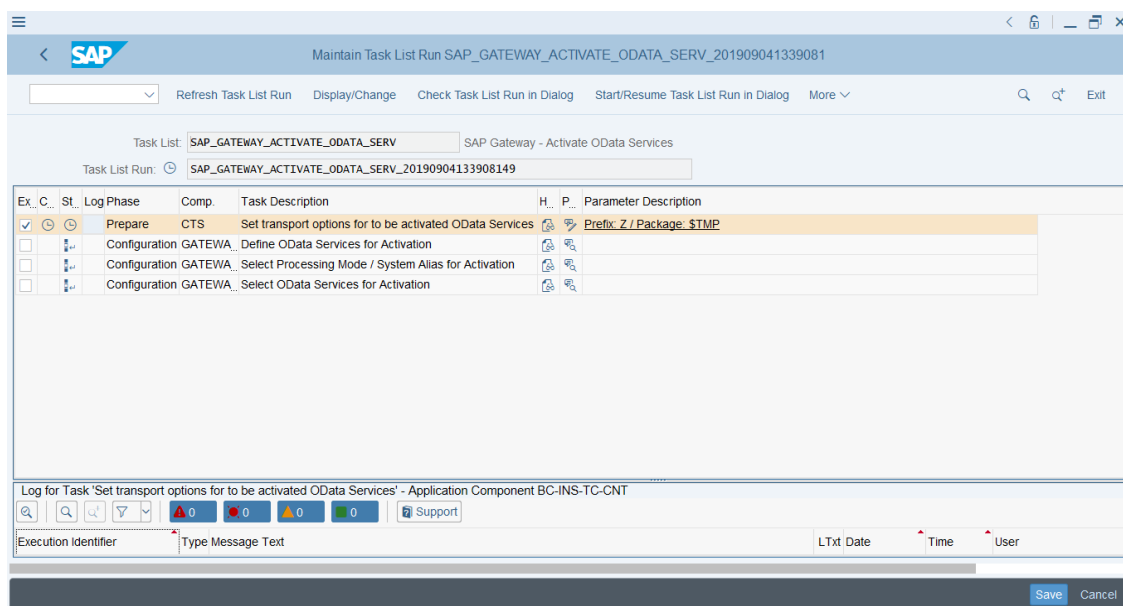
1. Go to Tcode STC01.
2. Enter T.code - SAP\_GATEWAY\_ACTIVATE\_ODATA\_SERV.



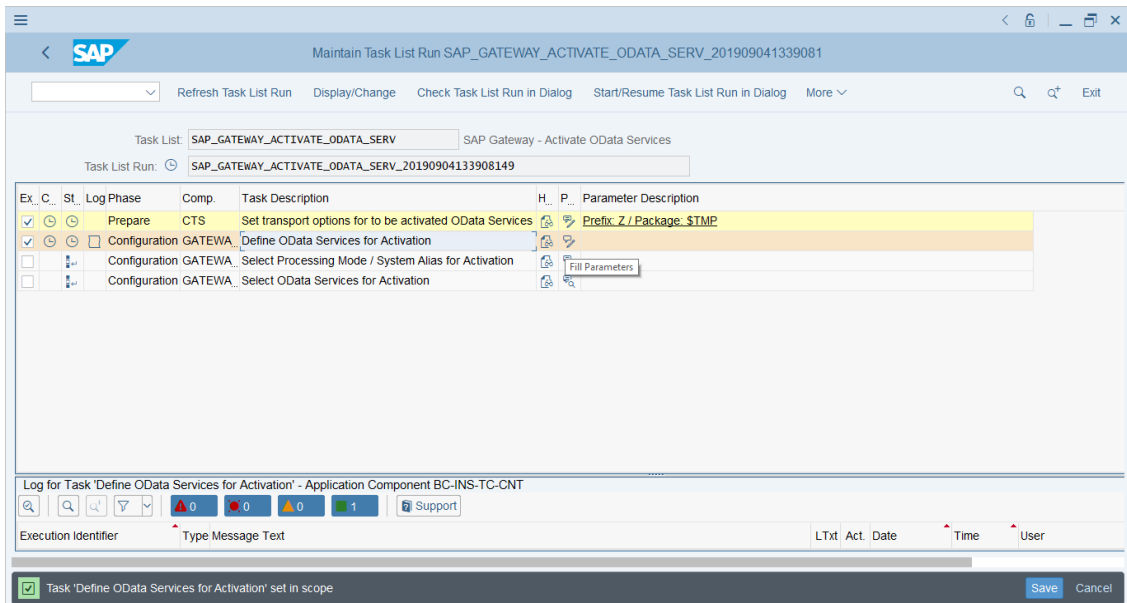
3. Click on 'Generate Task List Run' as below –



4. Now, User has a choice of passing the Package or the names of OData Services to be activated. Follow as below –



- a. Select 'Define OData Services for Activation' and click on 'Fill Parameters' as below



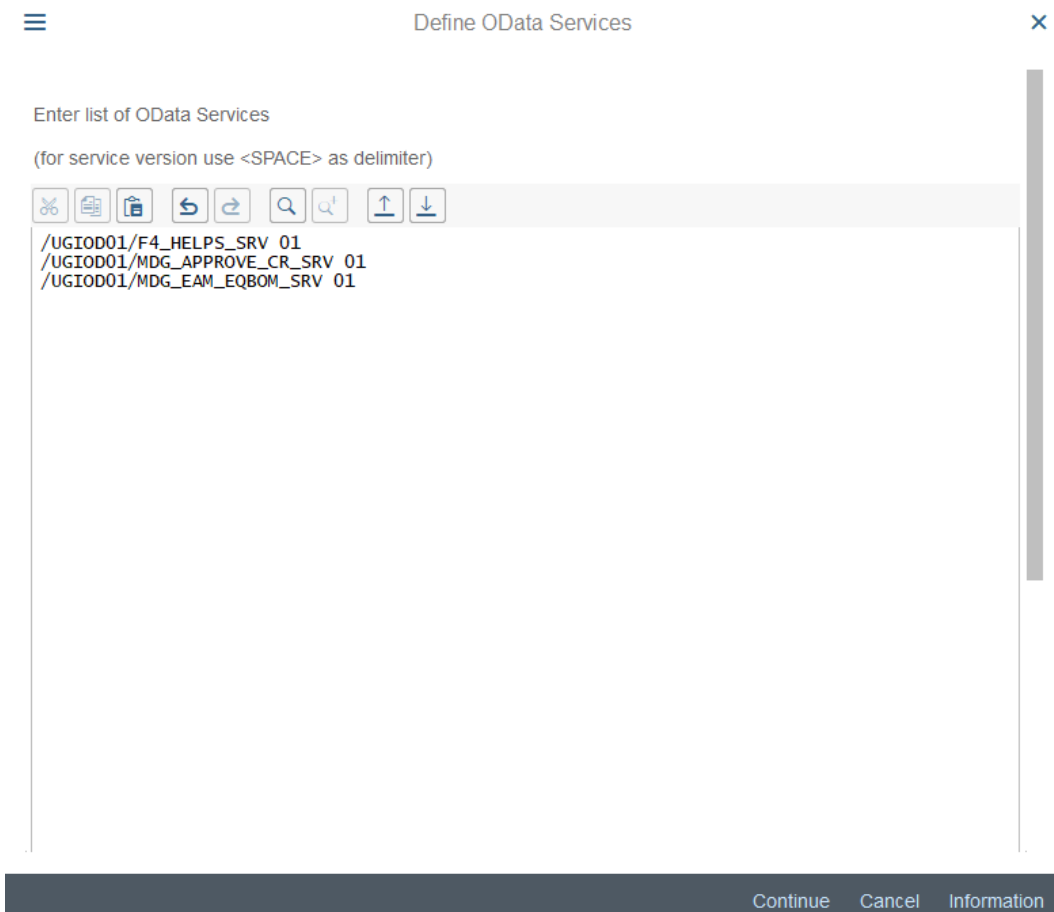
The screenshot shows the SAP Gateway - Activate OData Services task list. The task list is titled 'SAP\_GATEWAY\_ACTIVATE\_ODATA\_SERV\_201909041339081'. The task list run is 'SAP\_GATEWAY\_ACTIVATE\_ODATA\_SERV\_20190904133908149'. The task list contains the following tasks:

Ex...	C...	St...	Log Phase	Comp	Task Description	H...	P...	Parameter Description
✓	⌚	⌚	Prepare	CTS	Set transport options for to be activated OData Services	⌚	⌚	Prefix Z / Package: \$TMP
✓	⌚	⌚	Configuration	GATEWA	Define OData Services for Activation	⌚	⌚	
✓	⌚	⌚	Configuration	GATEWA	Select Processing Mode / System Alias for Activation	⌚	⌚	Fill Parameters
✓	⌚	⌚	Configuration	GATEWA	Select OData Services for Activation	⌚	⌚	

The 'Log for Task' section shows the task 'Define OData Services for Activation' - Application Component BC-INS-TC-CNT. The log contains the following messages:

Execution Identifier	Type	Message Text	LText	Act.	Date	Time	User
	✓	Task 'Define OData Services for Activation' set in scope					

- b. New popup would appear – fill the names of OData services to be activated



The screenshot shows the 'Define OData Services' popup. The title is 'Define OData Services'. The text inside the popup says: 'Enter list of OData Services (for service version use <SPACE> as delimiter)'. Below the text is a text area containing the following OData services:

```

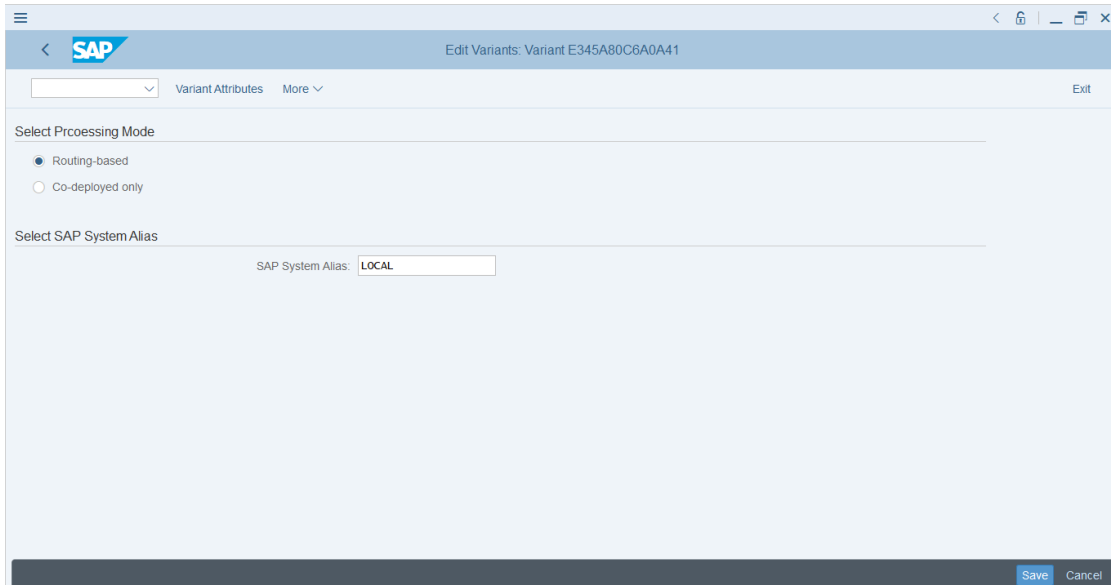
/UGIOD01/F4_HELP5_SRV 01
/UGIOD01/MDG_APPROVE_CR_SRV 01
/UGIOD01/MDG_EAM_EQBOM_SRV 01
  
```

At the bottom of the popup, there are three buttons: 'Continue', 'Cancel', and 'Information'.

Note:- Fill the names followed by <SPACE> version Number, as shown above

- c. Click Continue
5. Select 'Select Processing Mode / System Alias for Activation' for adding System Alias and click on 'Fill Parameters'

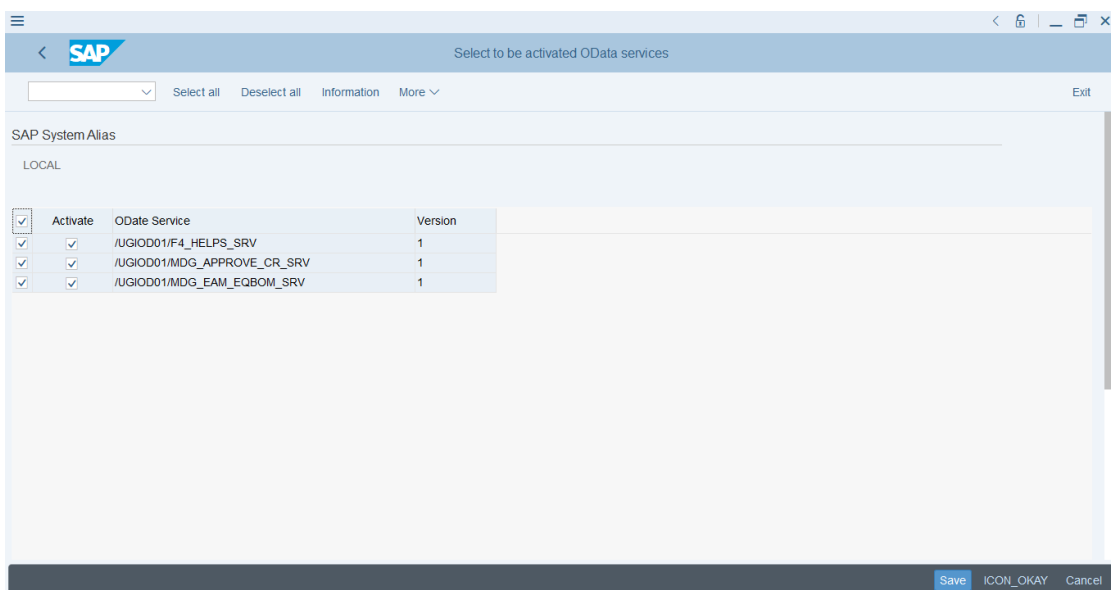




Note: - Enter System Alias as required (ex.- LOCAL, as shown above)

- a. Click SAVE
- b. Click EXIT

6. Select 'Select OData Services for Activation' for confirming the names of services and click on 'Fill Parameters'



Activate	OData Service	Version
<input checked="" type="checkbox"/>	/UGIOD01/F4_HELP_SSRV	1
<input checked="" type="checkbox"/>	/UGIOD01/MDG_APPROVE_CR_SRV	1
<input checked="" type="checkbox"/>	/UGIOD01/MDG_EAM_EQBOM_SRV	1

Note: - Select All as shown above

- a. Click SAVE
- b. Click EXIT

Click on 'Start/Resume Task List Run in Dialog' – this completes the steps and all services selected are activated with System Alias properly.

### List of EAM ODATA Services:

The below are the list of AIW ODATA Services.

/UGIOD07/AIW_APPROVE_SRV 01
/UGIOD07/AIW_SRV 01
/UGIOD07/F4_HELP_SRV 01

## Implementing Lean Request Apps in Master Data Governance AIW (MDG AIW)

The SAP Fiori AIW Lean Request Apps for Master Data Governance AIW (MDG AIW) 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 MDG AIW lean request scenario:

- [Request New AIW Change Request](#)
- [Activate AIW Change Request](#)
- [AIW Search Hierarchy and Processing](#)

### Prerequisites

- MDG\_FOUNDATION\_5 business function is activated.
- /UGI7/ Add-On Components are installed for AIW MDG
- System Alias and Activate OData Services are assigned.

#### Note

The list of System Alias and Activate OData Services is mentioned in [Appendix 2](#) below.

- You must activate the following stated lists of AIW objects to access the Change Request types for the Fiori applications

Applications	Business Functions	Change Request Types	Business Activities
Equipment		EQMAST01	UEQ1
Functional Location		FUNCLO01	UFL1
Material BOM		MATBOM01	UMB1
EQ BOM		EQBOM01	UEB1
FLOC BOM		FLBOM01	UFB1
WBS BOM		WBSBOM01	UWB1
Measuring Point		MEASPT01	UMS1
Maintenance Plan		MPLAN01	UMP1
Task List		TSLIST01 TLFL01 TLEQ01	UTL1, FTL1, ETL1
Work Center		WRKCTR01	UWC1
Object Link		OBJLNK01	UOL1

Applications	Business Functions	Change Request Types	Business Activities
Object Network		OBJNET01	UON1
Change Equipment		EQMAST02	UEQ2
Change Functional Location		FUNCLO02	UFL2
Change Material BOM		MATBOM02	UMB2
Change EQ BOM		EQBOM02	UEB2
Change FLOC BOM		FLBOM02	UFB2
Change WBS BOM		WBSBOM02	UWB2
Change Measuring Point		MEASPT02	UMS2
Change Maintenance Plan		MPLAN02	UMP2
Change Task List		TSLIST02 TLFL02 TLEQ02	UTL2, FTL2, ETL2
Change Work Center		WRKCTR02	UWC2
Change Object Link		OBJLNK02	UOL2
Change Object Network		OBJNET02	UON2
AIW Master Data		AIWEAM0P (Asset Information Workbench Parallel)	
AIW Master Data		AIWEAM0S (Asset Information Workbench Serial)	
AIW Master Data		AIWEAMHY (Asset Information Workbench Hybrid)	

## Appendix 2: Glossary and Abbreviations

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

Term / Abbreviation	Description
CR	Change Request
DB	Database
AIW	Asset Information Workbench
GW	Gateway
ICF	Internet Communication Framework
MRO	Maintenance, Repair, and Overhaul
NW	NetWeaver

Term / Abbreviation	Description
<b>OData</b>	Open Data Protocol
<b>t-code</b>	SAP Transaction Code
<b>UI</b>	User Interface
<b>NW</b>	NetWeaver