

How-To Guide: Extend MDG-uTSKLST in the U1 Data Model

Applies to

SAP EAM Objects by Prometheus Group.

Summary

SAP Master Data Governance provides an out-of-the box solution for the central management of various master data objects such as financial objects, supplier and material. In addition, SAP Master Data Governance also provides the flexibility to customize the solution, in cases where the pre-delivered content does not fully match customer requirements. You can use this guide to extend the MDG-U1 Data Model by a new entity type. The attribute values of the new entity type will be copied to the corresponding ERP tables (reuse option) after activation of the Change Request.

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Created On: September 3, 2018

Version: 1.0

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Introduction

This document describes how to extend the Data Model (U1) for Task List by adding additional attribute 'ZZMATKL', 'ZZMATNR' to the entity 'ZZGNTLCOM'.

Scenario

High Level Requirements

The business requires the new entity type called "Components" as part of the MDG Task List Data Model.

You want to extend the Data Model U1 with Type4 entity type to include components section of the task list.

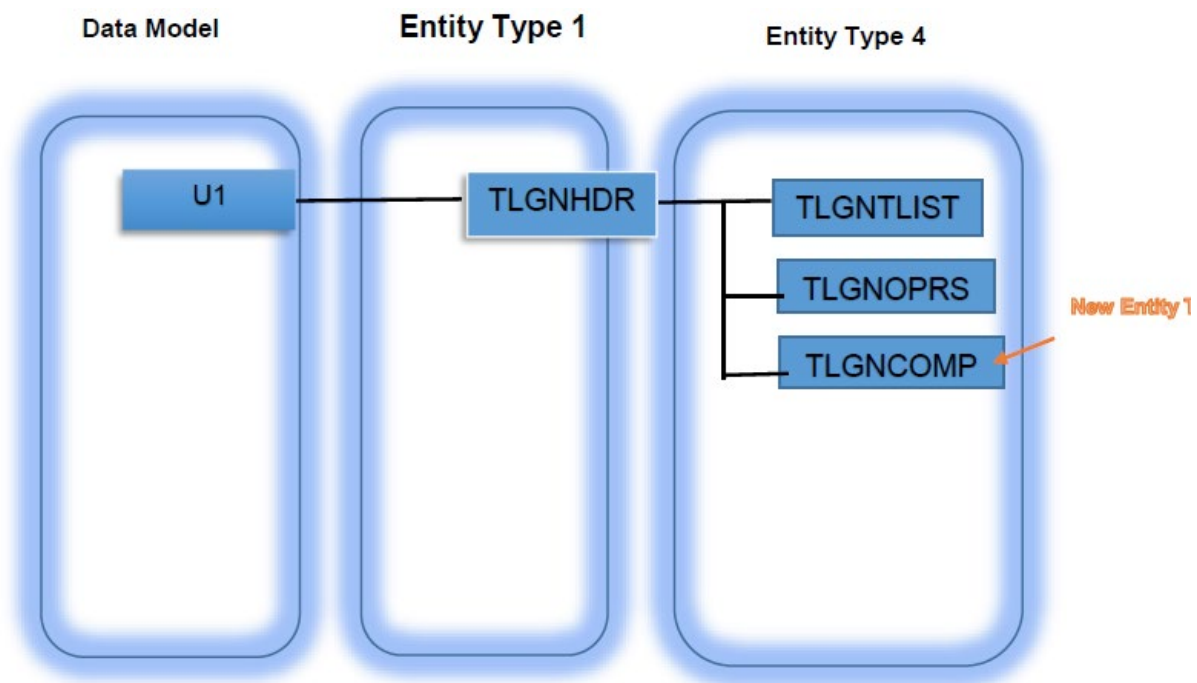


Figure: Data Model – Task List (Scope of 2017 Delivery) with custom Entity 'ZZGNTLCOM'

Governance Process

The default governance process delivered with MDG will be used. No changes to the governance process are necessary as part of this scenario.

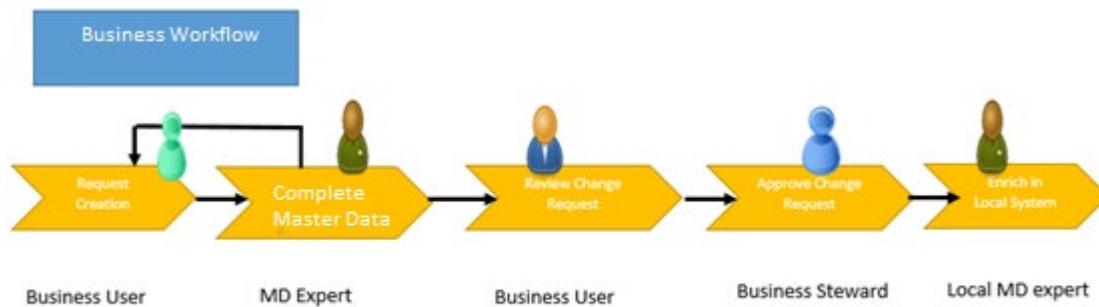


Figure: Task List processing in Master Data Governance

Implementation

Two major building blocks make up the implementation of the entity type extension. In the first phase, you extend the MDG Data Model. In the second phase, you extend the User Interface to include the new entity type.

The flow diagram below shows the detailed implementation steps. It is recommended that you use it as an orientation.

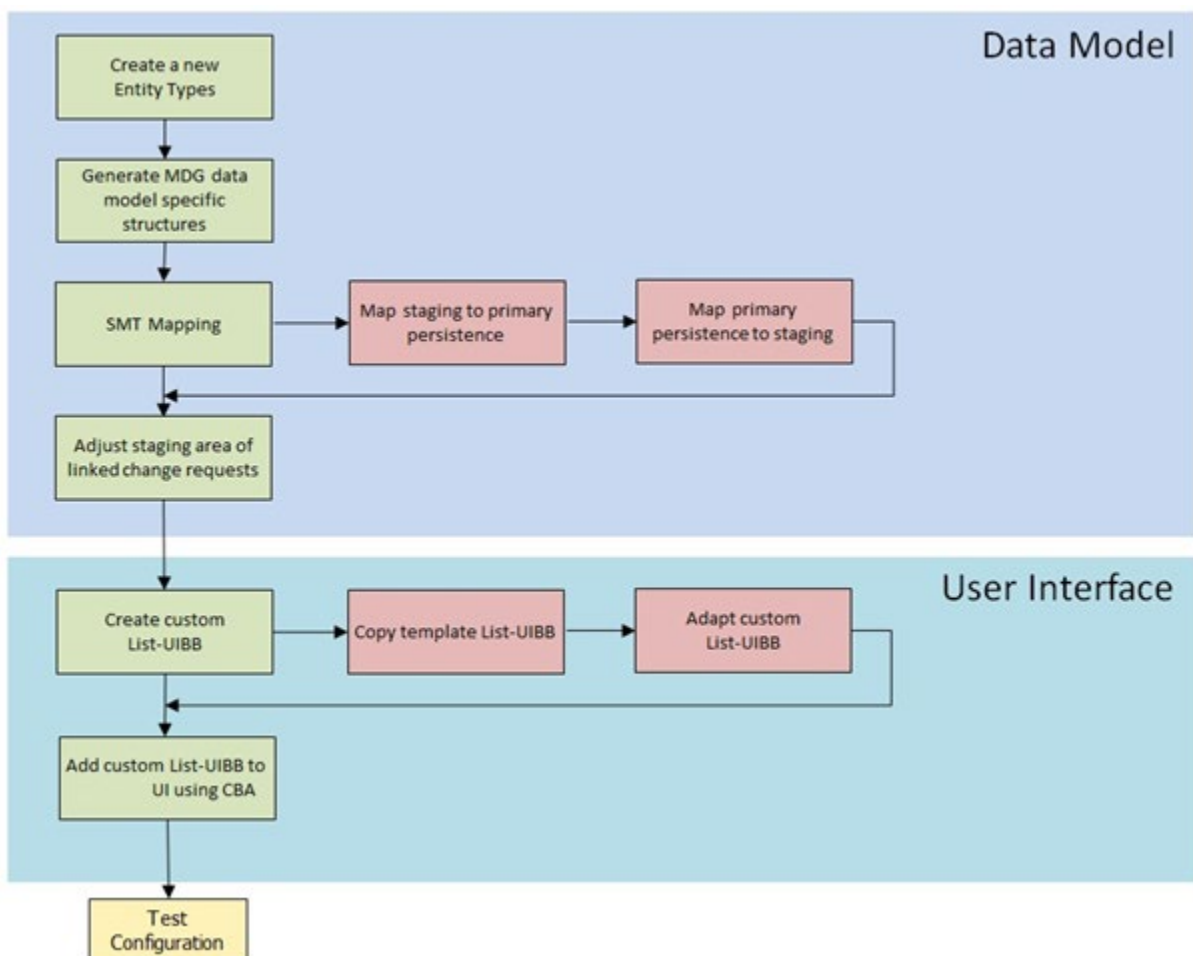


Figure: Implementation steps for re-use Entity-Type extension

Data Model Extension

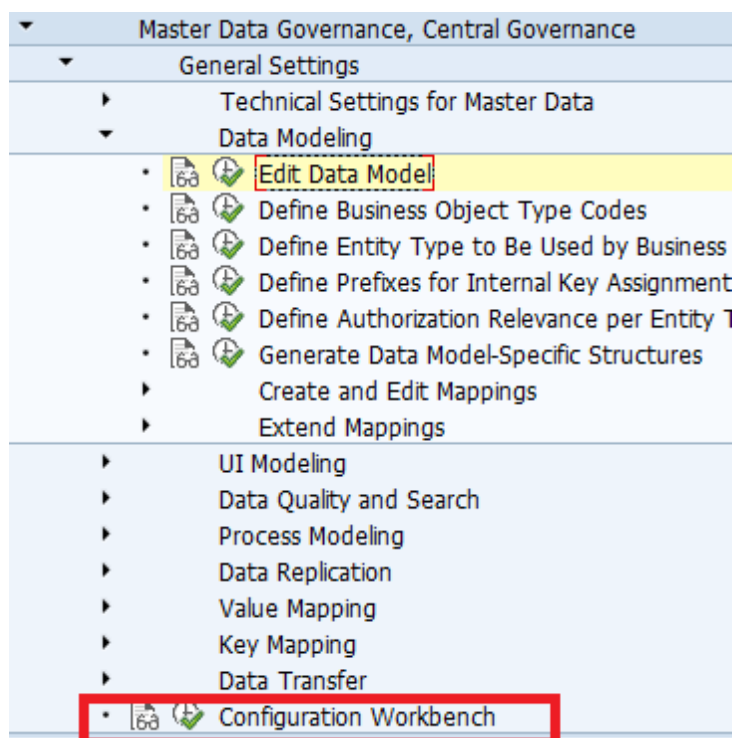
You want to extend the MDG Data Model (U1) for Task List by the additional new Entity ZZGNTLCOM. The following fields from PLPO and STPO table should be modelled as attribute of entity type in MDG.

Predefined Type 3 / 8						
Component	Typing Method	Component Type	Data Type	Length	Deci...	Short Description
<u>GPLNKN</u>	1 Types	<u>PLNKN</u>	NUMC	8	0	Number of the task list node
<u>TLGNHDR</u>	1 Types	<u>/UGI/GNPLNNR</u>	CHAR	8	0	Key for General Task List Group
<u>TPLNAL</u>	1 Types	<u>PLNAL</u>	CHAR	2	0	Group Counter
<u>ZZTLGNOPN</u>	1 Types	<u>VORN</u>	CHAR	4	0	Activity Number
<u>ZZIDNRK</u>	1 Types	<u>MATNR</u>	CHAR	18	0	Material Number
<u>ZZMATRX</u>	1 Types	<u>KMPTX</u>	CHAR	40	0	Component description

Add custom Entity Type to existing Data Model U1

Use the following steps to add attributes to existing Entity Type.

1. Log into system for cross client maintenance.
2. Start Customizing for Master Data Governance (transaction MDGIMG). Go to > General Settings > Configuration Workbench > Select Data Model U1 > Click the "Edit" button -> In the left-hand table with the list of Entity Types click the "New" button.



3. Create custom New Entity Type ZZGNTLCOM as shown in the following screen. Save your settings.

It is recommended to assign a Search Help to a Data Element in exceptional circumstances. If you do this, the input help executes the search help instead of reading the data in the check table or the fixed values of data element's domain.

In the following steps, you define new entity types that are needed to define the key fields using relationships.

Data Model: U1,Utopia EAM Solution for MDG

Save and Back Save Back Cancel Edit New Check Activate Active Area Adjust Change Requests


Structure Generation Settings

Namespace: Package:

Structure Generation Settings for Model Enhancements

Namespace: Package:

Entity Types

New  Details: ZZGNTLCOM

Entity Type SU Type

TPKZ 3

General Data Key Assignment

Details: ZZGNTLCOM

General Attributes Incoming Relationships Outgoing Relationships Business Object Types Hierarchies Structure Names

General Data

Entity Type: ZZGNTLCOM

Description: General Task List : Components

SU Type: 4 - Changeable via Other Entity Type, Gt

Data Element:

Validity of Entity Ty...: No Edition

Deletion: Deletion Allowed

Attachments: ☐

Sets: ☐

Search Help:

Generated: ☐

Hierarchies

Is Hierarchy Type: No

Validity of Hierarchy: No Edition

Reuse

Active Area: JUGITSKLT -

Structure/Table:

Key Assignment

Type of Key Assignment: Key Cannot Be Changed: No Internal Ke

Number Range Object for Tem...:

Entity Texts

Language-Dependent Texts: ☐

Long Text: Length:

Medium Text: Length:

Short Text: Length:

Source Fields for Texts

Source Field Long Text:

Source Field Medium Text:

Source Field Short Text:

4. Enter Attributes as displayed in the screen.

Details: ZZGNTLCOM

General **Attributes** Incoming Relationships Outgoing Relationships Business Object Types Hierarchies

New 

*Attribute	Key Field	Descript...	Data Ele...	Currency/...	Require...	No Exist...	Search...	Structur...
ZZMATKL	<input type="checkbox"/>		MAKTX		<input type="checkbox"/>	<input type="checkbox"/>		
ZZMATNR	<input type="checkbox"/>		MATNR		<input type="checkbox"/>	<input type="checkbox"/>		

5. Define entity type ZZGNVORN Type 3 for key field purpose.

Details: ZZGNVORNR

General | Attributes | Incoming Relationships | Outgoing Relationships | Business Object Types | Hierarchies | Structure Names

General Data

* Entity Type: ZZGNVORNR

Description: GN TL-Operation Number

* SU Type: 3 - Not Changeable via MDG; No Genera

Data Element: VORNR

Validity of Entity Ty...: No Edition

Deletion: Deletion Allowed

Attachments:

Sets:

Search Help:

Generated:

Hierarchies

Is Hierarchy Type: No

Validity of Hierarchy: No Edition

Reuse

Active Area:

Structure/Table:

Field:

Key Assignment

Type of Key Assignment: Key Cannot Be Changed; No Internal Ke

Number Range Object for Tem...

Entity Texts

Language-Dependent Texts:

Long Text: Length: 00

Medium Text: Length: 00

Short Text: Length: 00

Source Fields for Texts

Source Field Long Text:

Source Field Medium Text:

Source Field Short Text:

6. Select Relationships and define as shown in the following screen. Define the relationship between custom and existing entity types.

Change View "Relationships": Overview

New Entries | Visualize Data Model

Dialog Structure

- Inactive Data Models
 - Entity Types
 - Attributes
 - Business Object
 - Entity Types for
 - Hierarchy Att
 - Hierarchy Att
 - Relationships
 - Fields of Foreign
 - Reuse Active Areas
 - Prefix and Packages
 - Data Model-Specific

Data Model U1

From-Entity Type	Relationship	To-Entity Type	Relation. Type	Cardinality	Data Element
ZZGNVORNR	GNOPTCOM	ZZGNTLCOM	Qualifying	1 1 : N	

Change View "Relationships": Overview

New Entries | Visualize Data Model

Dialog Structure

- Inactive Data Models
 - Entity Types
 - Attributes
 - Business Object
 - Entity Types for
 - Hierarchy Att
 - Hierarchy Att
 - Relationships
 - Fields of Foreign
 - Reuse Active Areas
 - Prefix and Packages
 - Data Model-Specific

Data Model U1

From-Entity Type	Relationship	To-Entity Type	Relation. Type	Cardinality	Data Element	No Existen...	Descripti
ILGNHDR	GNHD2TL_L	TLGNTLIST	Leading	1 1 : N		<input type="checkbox"/>	
ILGNOPRS	GNOPTCOM	ZZGNTLCOM	P Leading	1 1 : N		<input type="checkbox"/>	
TLGNTLIST	GNIL2OP_L	TLGNOPRS	P Leading	1 1 : N		<input type="checkbox"/>	
IPLKZ	IPLKZ_FLC	FUNCLOC	Referencing	1 1 : N		<input type="checkbox"/>	Referenci
IPLNAL	PLN2ETL_Q	TLGNTLIST	Q Qualifying	1 1 : N		<input type="checkbox"/>	
IPLNAL	PLN2FTL_Q	TLGNTLIST	Q Qualifying	1 1 : N		<input type="checkbox"/>	
IPLNAL	PLN2TL_Q	TLGNTLIST	Q Qualifying	1 1 : N		<input type="checkbox"/>	
IPLNR	IPLN_EILO	EQUI	Referencing	0 0 : N		<input checked="" type="checkbox"/>	Referenci
ISAKTO	SAKTO2EOP	TLGNTLIST	Referencing	0 0 : N		<input type="checkbox"/>	
ISAKTO	SAKTO2FOP	TLGNTLIST	Referencing	0 0 : N		<input type="checkbox"/>	

7. Activate the extended Data Model.

Change View "Entity Types": Overview

Dialog Structure: Inactive Data Models, Entity Types, Attributes, Business Object, Entity Types for, Hierarchy Att, Hierarchy Att, Relationships, Fields of Foreign, Reuse Active Areas

Data Model: U1

Entity Type	Storage/Use Type	Val.Entity	Data Element	Is Hry Type	Val.Hier.
WRKCAPA	4 Changeable via Other Enti..	No Edition		No	No Edition
WRKCCST	4 Changeable via Other Enti..	No Edition		No	No Edition
ZGWTLCOM	4 Changeable via Other Enti..	No Edition		No	No Edition
ZGNVFORMR	3 Not Changeable via MDG; N..	No Edition	VFORMR	No	No Edition

After activation the following information message is displayed.

Messages have been issued

Ty...	Message Text	LText
⚠	Change requests must be adjusted because data model U1 has been modified	?

- Make Change Request adjustments after creating the SMT mapping.

Refer: [Adjust Staging area of Linked Change Requests](#).

Generate MDG Data Model-Specific Structures

In general, if you change a Data Model (for example, if you change attributes of entity types or relationships) you need to regenerate the structures. You can assign a prefix and a package directly in the Data Model. Then the structures will be generated automatically with activation of the Data Model.

Older releases: Since the MDG Data Model was changed you need to regenerate the tables. In this Customizing activity, for each Data Model and entity type you generate technical structures and tables in the ABAP Dictionary.

The system uses these structures internally for implementing the staging area.

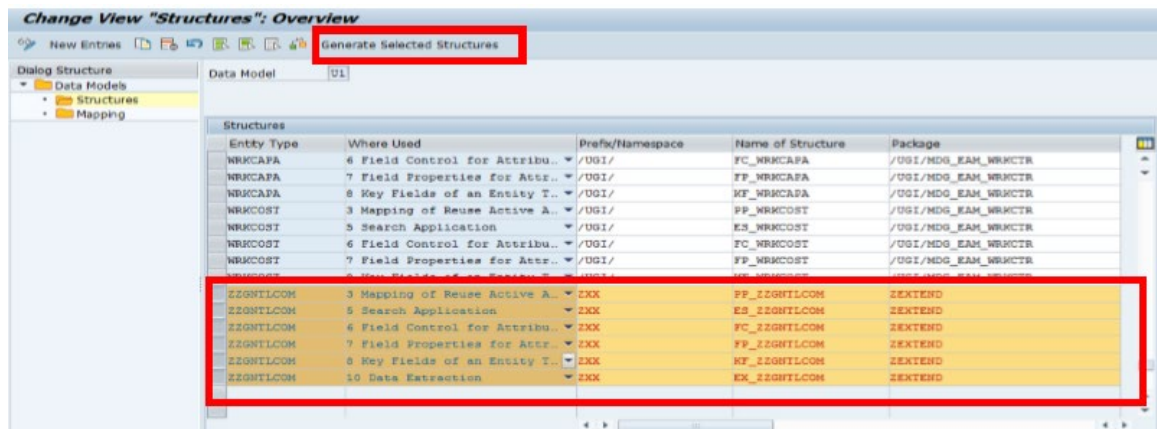
Note: In general, if you change a Data Model (for example, if you change attributes of entity types or relationships); you need to regenerate the structures.

Use the following steps to generate Data Model Specific Structures.

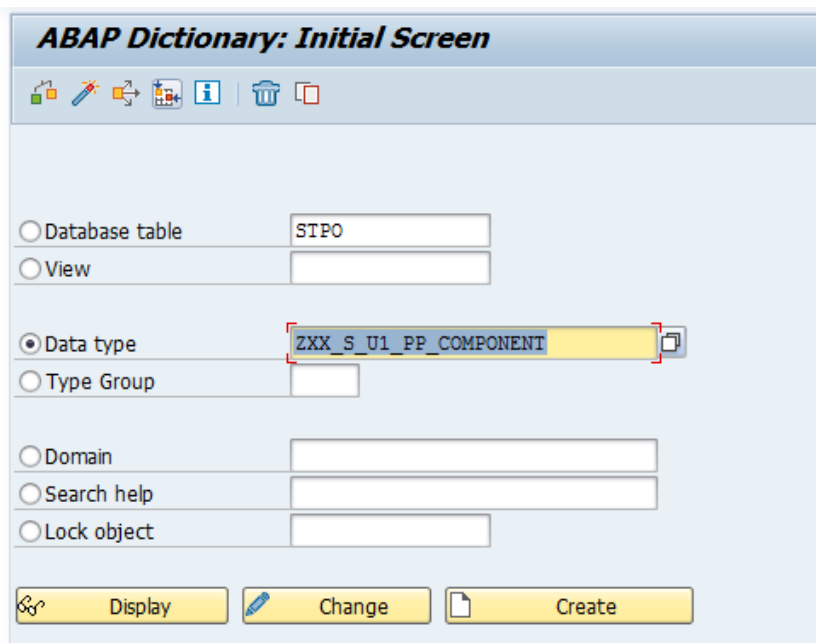
- Start Customizing for Master Data Governance (transaction MDGIMG).
Go to > General Settings > Data Modeling > Generate Data Model-specific Structures.

Structure
Master Data Governance, Central Governance
General Settings
Technical Settings for Master Data
Data Modeling
<ul style="list-style-type: none"> Edit Data Model Define Business Object Type Codes Define Entity Type to Be Used by Business Object Type Define Prefixes for Internal Key Assignment Define Authorization Relevance per Entity Type Generate Data Model-Specific Structures Create and Edit Mappings Extend Mappings

2. Select the row with Data Model U1 > Double-Click Structures in the left-hand panel > Choose the "Generate Selected Structures" button.



3. Verify that your structures were successfully generated.
4. In the following steps, you verify that one of the active area mapping structures was successfully generated with new fields.
Start t-code SE11 > Display structure ZXX_S_U1_PP_COMPONENT.



You have now verified that the structure ZXX_S_U1_PP_COMPONENT has been generated.

Dictionary: Display Structure

Structure: ZXX_S_U1_PP_COMPONENT Active

Short Description: Source Structure for PP Mapping

Attributes Components Input Help/Check Currency/quantity fields

Predefined Type 1 / 6

Component	Typing Method	Component Type	Data Type	Length	Deci	Short Description
PLNRKN	1 Types	PLNRKN	NUMC	8		0 Number of the task list node
TLGNHDR	1 Types	/UGI/GNPLNR	CHAR	8		0 Key for General Task List Group
TPLNAL	1 Types	PLNAL	CHAR	2		0 Group Counter
ZZTLGNOPN	1 Types	VORNR	CHAR	4		0 Activity Number
ZZIDNRK	1 Types	MATNR	CHAR	18		0 Material Number
ZZMATXK	1 Types	KMPTX	CHAR	40		0 Component description

SMT Mapping

You extend mappings by creating new transformations (complex transformations, field mappings) and field checks for them or by editing them.

Important: When the mappings are saved, the system generates the corresponding coding. Make sure that all relevant structures are ready before you start.

SMT Mapping - Get Mapping names from Data Model U1

Use the following steps to get the mapping names:

1. Log into system for cross-client maintenance. Start Customizing for Master Data Governance (transaction MDGIMG).
Go to > General Settings > Data Modelling > Generate Data Model Specific Structures > Select Data Model U1 > Double-Click on Mapping.

Dialog Structure

- Data Models
 - Structures
 - Mapping

Packages for Generated Structures on Model Level

Data Model	Description (medium text)
U1	opla EAM Solution for MDG

The SMT mappings for Entity Type ZZGNTLCOM as displayed.

Change View "Mapping": Overview

Dialog Structure: Data Models > Structures > Mapping

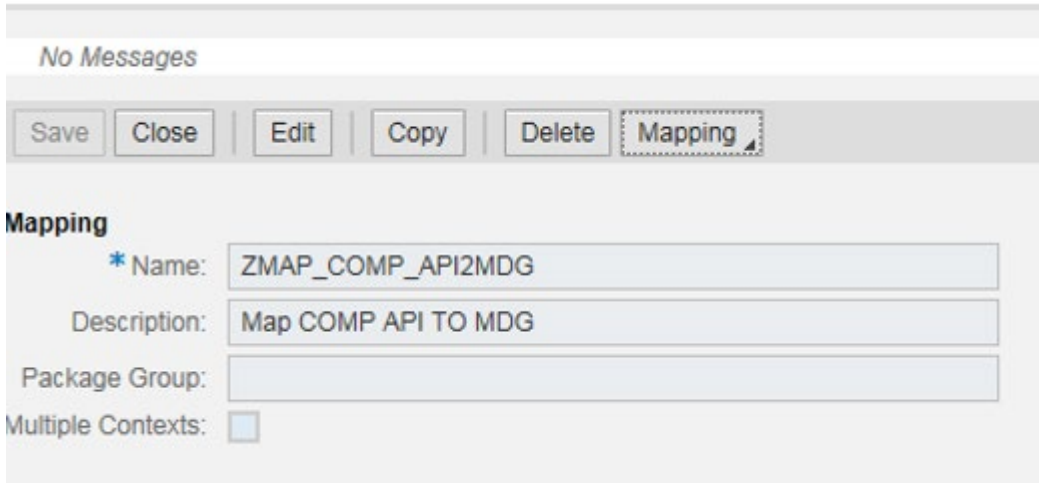
Data Model: U1

Entity Type	Where Used	SMT Mapping from Active Area	SMT Mapping to Active Area
ZZGNTLCOM	3 Mapping of Reuse Active A.	ZMAP_COMP_API2MDG	ZMAP_COMP_MDG2API

SMT Mapping - Primary Persistence to Staging

Use the following steps for SMT Mapping from Primary Persistence to Staging area.

1. Log into system for cross-client maintenance. Start Customizing for Master Data Governance (transaction MDGIMG). Go to > General Settings > Data Modeling > Create and Edit Mappings > Create and Edit Mappings.
2. Create mapping ZMAP_COMP_API2MDG.



No Messages

Save Close Edit Copy Delete Mapping

Mapping

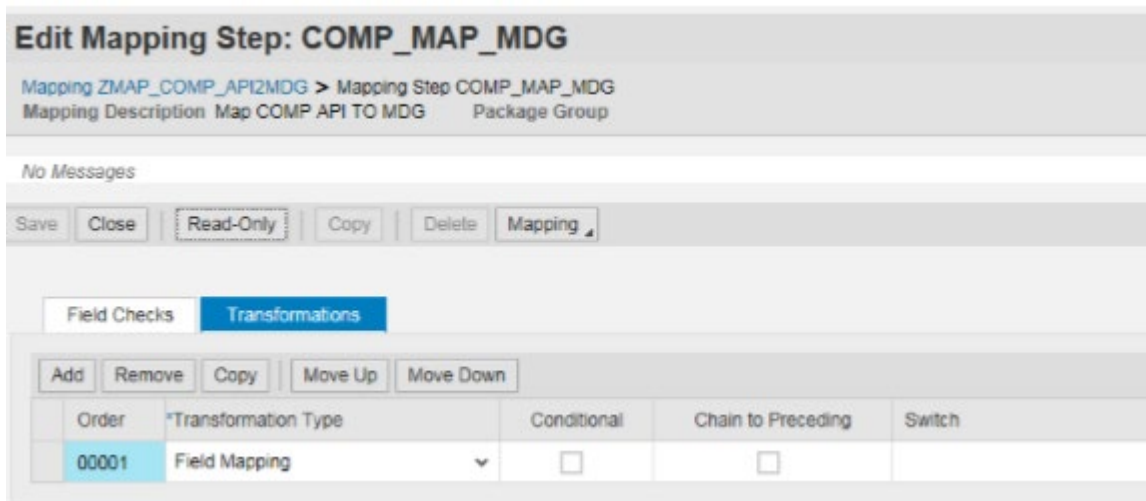
* Name: ZMAP_COMP_API2MDG

Description: Map COMP API TO MDG

Package Group:

Multiple Contexts: ☐

3. Select mapping step and choose the “Details” button.
Map the fields as shown in the following screen.



Edit Mapping Step: COMP_MAP_MDG

Mapping ZMAP_COMP_API2MDG > Mapping Step COMP_MAP_MDG
Mapping Description Map COMP API TO MDG Package Group

No Messages

Save Close Read-Only Copy Delete Mapping

Field Checks Transformations

Add Remove Copy Move Up Move Down

Order	*Transformation Type	Conditional	Chain to Preceding	Switch
00001	Field Mapping	<input type="checkbox"/>	<input type="checkbox"/>	

4. Add a mapping step.
Assign Target Structure EAM_S_TL_COMPONENT.
Assign Source Structure ZXX_S_U1_PP_COMPONENT.



Mapping Steps

Details Add Remove Copy Import Change Structure Keys Additional Input Structures

*Mapping Step	Description	*Source Structure	*Target Structure	Change Structure	Change Structure Keys Exist
MAP_COMP	Map COMP MDG to API	ZXX_S_U1_PP_COMPONENT	EAM_S_TL_COMPONENT	EAM_S_TL_PLM2_UP	<input checked="" type="checkbox"/>

Details for Transformation Order 00001

Field Mapping

*FIELD	Source Structure	Source Field	Fixed Value	Conversion Class	Reference Type	Field type	Data Type	Number of Characters	Decimal Places	Description
GPLNKN	EAM_S_TL	PLNKN			<input type="checkbox"/>	PLNKN	NUMC	8		Number of the task list node
TLGNH	EAM_S_TL	PLNHR			<input type="checkbox"/>	AUIONPLNHR	CHAR	8		Key for General Task List Group
PLNAL	EAM_S_TL	PLNAL			<input type="checkbox"/>	PLNAL	CHAR	2		Group Counter
ZZONRK	EAM_S_TL	IDNRK			<input type="checkbox"/>	MATNR	CHAR	18		Material Number
ZZMAT	EAM_S_TL	MAKTX			<input type="checkbox"/>	KMPTX	CHAR	40		Component description

Tree structures are available to the user to automatically Assign or Map structure fields to a Field Check, a Condition, a Complex Transformation, or a Mapping using the appropriate button. [Hide](#)

Target Structure

Assign

Name: ZOX_S_U1_PP_COMP

Target Structure

Name	Is Used
▶ ZOX_S_U1_PP_COMPONENT	<input type="checkbox"/>

Source Structure

Assign

Name: EAM_S_TL_COMPONE

Source Structure



















Name	Is Used
▶ EAM_S_TL_COMPONENT	<input type="checkbox"/>

5. Save your changes.

SMT Mapping - Staging to Primary Persistence

1. Start Customizing for Master Data Governance (transaction MDGIMG).
Go to General Settings > Data Modeling > Create and Edit Mappings > Create and Edit Mappings
Note: For new Entity Types it is recommended to create a new mapping.
When extending existing Entity Types, it is recommended to extend the existing mapping.

Structure

- ▼ Master Data Governance
 - ▼ General Settings
 - ▶ Technical Settings for Master Data
 - ▼ Data Modeling
 -   Edit Data Model
 -   Node text not found
 -   Define Entity Type to Be Used by Business Object Type
 -   Define Prefixes for Internal Key Assignment
 -   Define Authorization Relevance per Entity Type
 -   Generate Data Model-Specific Structures
 - ▼ Create and Edit Mappings
 -   Define Package Groups
 -   **Create and Edit Mappings**
 -   Check Customizing
 - ▶ Extend Mappings

2. Create New mapping step ZMAP_COMP MDG2API.

No Messages

Save Close Edit Copy Delete Mapping

Mapping

* Name: ZMAP_COMP_MDG2API

Description: Component MAP from MDG to API

Package Group:

Multiple Contexts: ☐

3. Select mapping step and choose the “Details” button.
Map the fields as displayed in the following screen.

Edit Mapping Step: MAP_COMP

Mapping ZMAP_COMP_MDG2API > Mapping Step MAP_COMP
Mapping Description Component MAP from MDG to API Package Group

No Messages

Save Close Read-Only Copy Delete Mapping

Field Checks Transformations

Add Remove Copy Move Up Move Down

Order	Transformation Type	Conditional	Chain to Preceding	Switch
00001	Field Mapping	<input type="checkbox"/>	<input type="checkbox"/>	

4. Add a mapping step.
Assign Source Structure EAM_S_TL_COMPONENT.
Assign Target Structure ZXX_S_U1_PP_COMPONENT.

Mapping Steps

Details Add Remove Copy Import Change Structure Keys Additional Input Structures

*Mapping Step	Description	*Source Structure	*Target Structure	Change Structure	Change Structure Keys Exist	Additional Input Structures Exist
COMP_MAP_MDG	MAP COMP API TO MDG	EAM_S_TL_COMPONENT	ZXX_S_U1_PP_COMPONENT		<input type="checkbox"/>	<input type="checkbox"/>

Details for Transformation Order 00001

Field Mapping

Add Remove

*FIELD	Source Structure	Source Field	Fixed Value	Conversion Class	Reference Type	Field Type	Data Type	Number of Characters	Decimal Places	Description
IDNRK	ZXX_S_U1_F	ZZIDNRK			<input type="checkbox"/>	MATNR	CHAR	18		Material Number
MAKTX	ZXX_S_U1_F	ZZMATRX			<input type="checkbox"/>	KMPTX	CHAR	40		Component description
PLNAL	ZXX_S_U1_F	TPLNAL			<input type="checkbox"/>	PLNAL	CHAR	2		Group Counter
PLNKN	ZXX_S_U1_F	GPLNKN			<input type="checkbox"/>	PLNKN	NUMC	8		Number of the task list node
PLNNR	ZXX_S_U1_F	TLGNHCR			<input type="checkbox"/>	PLNNR	CHAR	8		Key for Task List Group

Tree structures are available to the user to automatically Assign or Map structure fields to a Field Check, a Condition, a Complex Transformation, or a Mapping using the appropriate button.

Target Structure

Assign

Name: EAM_S_TL_COMPONENT

Source Structure

Assign

Name: ZXX_S_U1_PP_COMPONENT

Target Structure

Name	Is Used
EAM_S_TL_COMPONENT	<input type="checkbox"/>

Source Structure

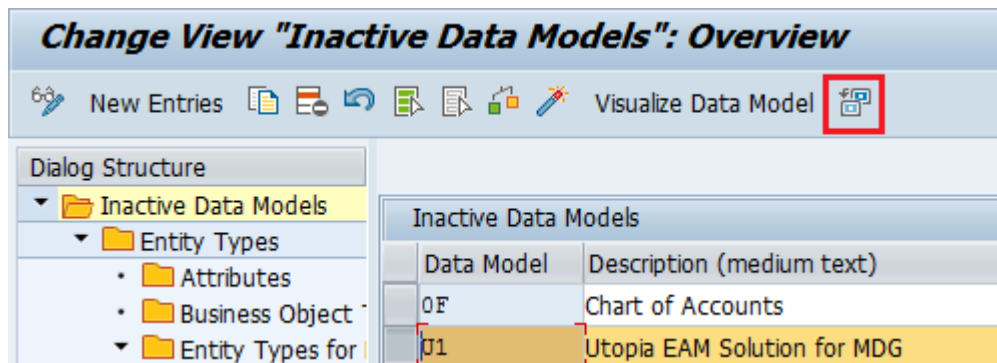
Name	Is Used
ZXX_S_U1_PP_COMPONENT	<input type="checkbox"/>

5. Save your changes

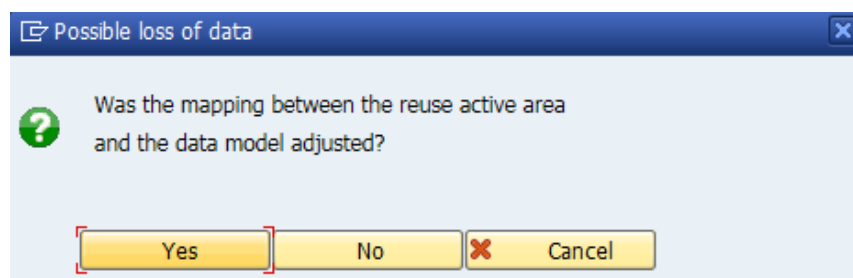
Adjust Staging Area of Linked Change Requests

Note: This step is necessary to adjust any open Change Requests after you have changed the Data Model.

1. Start Customizing for Master Data Governance (transaction MDGIMG).
Go to > General Settings > Data Modeling > Edit Data Model > Select Data Model U1 > Double click on Entity Types > Choose the “Adjust staging area of linked Change Requests” button.

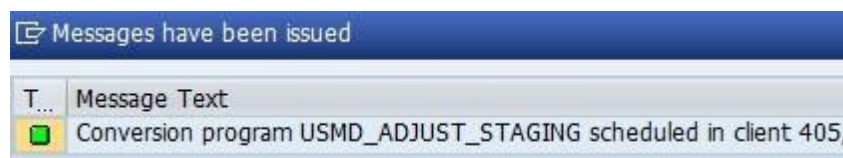


2. Choose the “Yes” button.



The following message appears.

Note: Make sure that user DDIC exist in all relevant clients.



Extending the UI Configuration

Create Custom List-UIBB

This section describes how you create a List-UIBB to display the entity type ZZGNTLCOM attributes in a table. The result looks like the following screen.



Click “New” button is displayed as in the following screen.

✓ Done

General Task List : Group:

Group Counter:

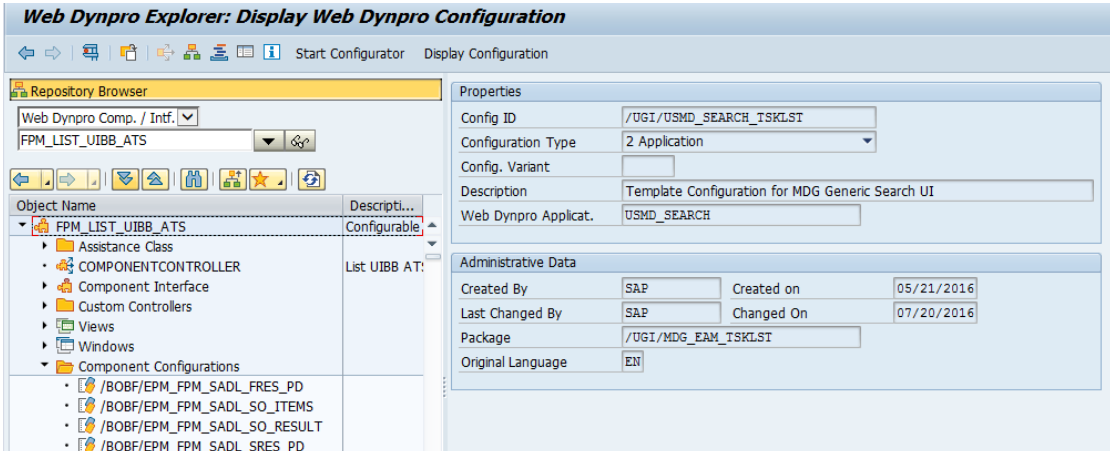
* Operation/Activity:

Material:

Material Description:

Copy LIST-UIBB

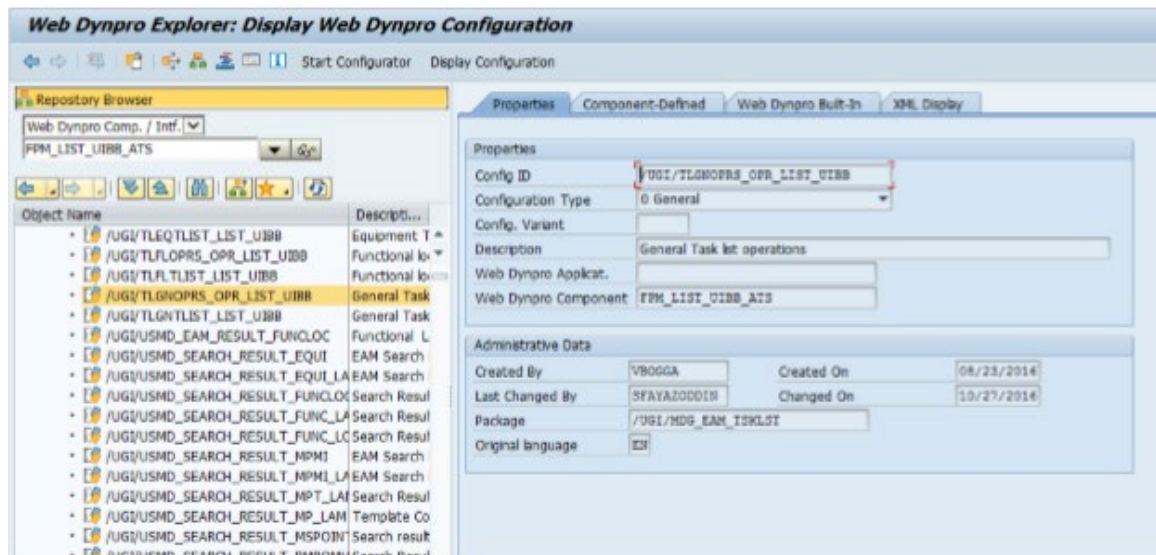
1. Start t-code SE80. In the drop down select Web Dynpro Comp. / Intf.
In the input field enter FPM_LIST_UIBB_ATS and Press the Display button. Below the object name expand the tree node called Component Configurations. Double click the component configuration /UGI/TLGNOPRS_ OPR_LIST_UIBB.



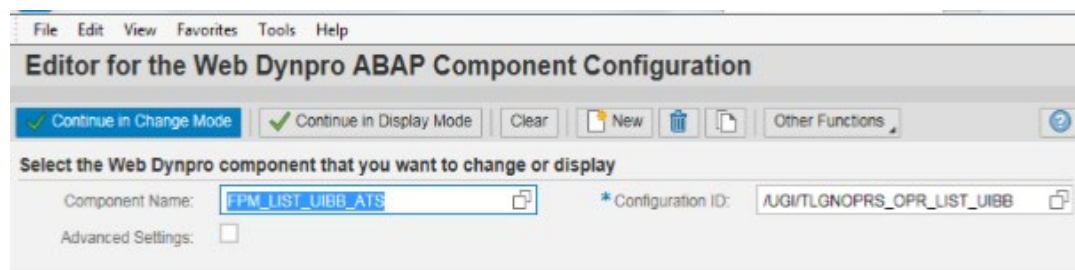
The screenshot shows the 'Web Dynpro Explorer: Display Web Dynpro Configuration' window. The 'Repository Browser' on the left shows the object 'FPM_LIST_UIBB_ATS' selected under 'Web Dynpro Comp. / Intf.'. The 'Properties' panel on the right displays configuration details for the selected object.

Properties			
Config ID	/UGI/USMD_SEARCH_TSKLST		
Configuration Type	2 Application		
Config. Variant			
Description	Template Configuration for MDG Generic Search UI		
Web Dynpro Applicat.	USMD_SEARCH		
Administrative Data			
Created By	SAP	Created on	05/21/2016
Last Changed By	SAP	Changed On	07/20/2016
Package	/UGI/MDG_EAM_TSKLST		
Original Language	EN		

2. Click the "Start Configurator" button.



3. In the web browser, click on “Copy” button and enter List Configuration Id.



Copy Configuration

Original

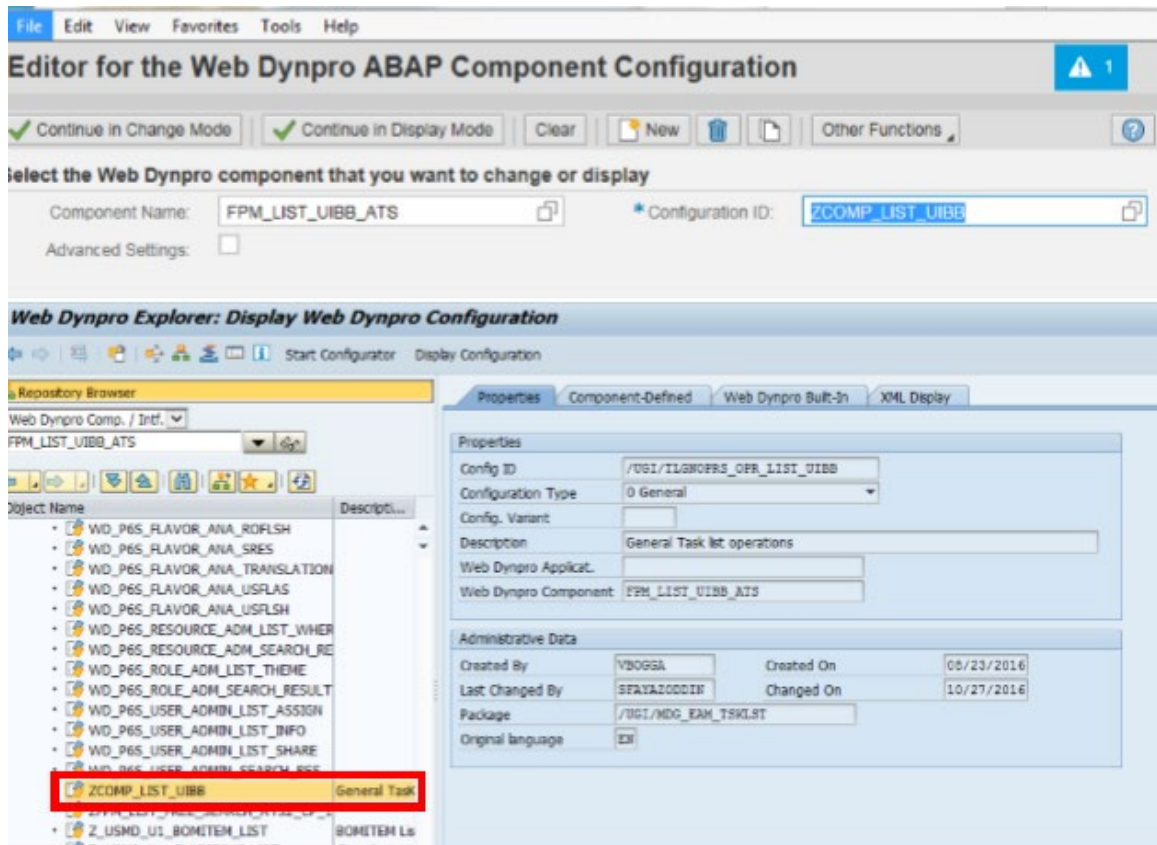
Configuration ID: /UG1/TLGNOPRS_OPR_LIST_UIBB
Description: General Task list operations

Copy

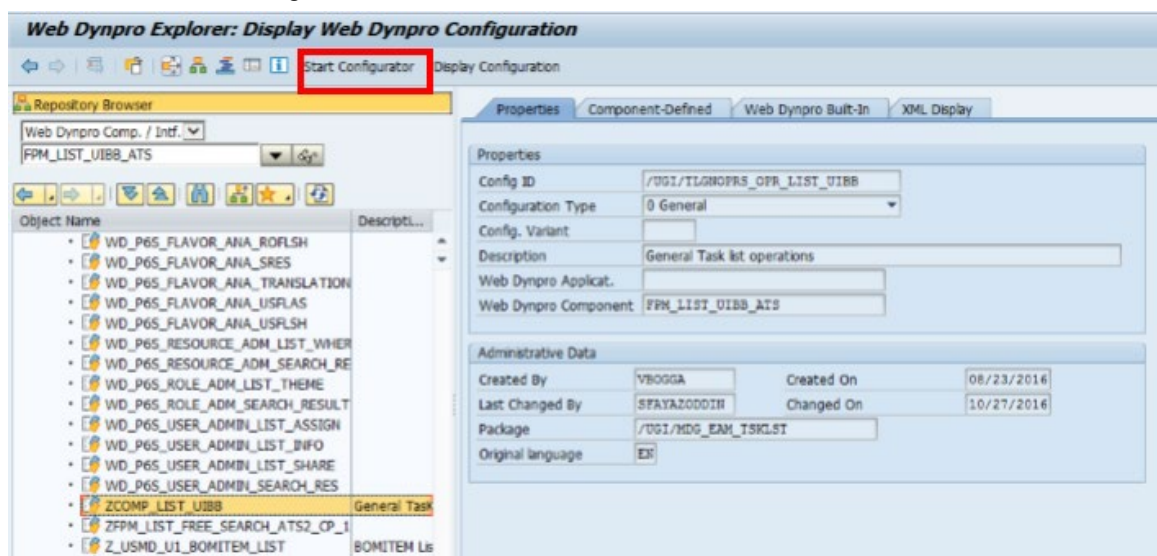
Configuration ID: ZCOMP_LIST_UIBB
Description: General task list component details |

OK Cancel

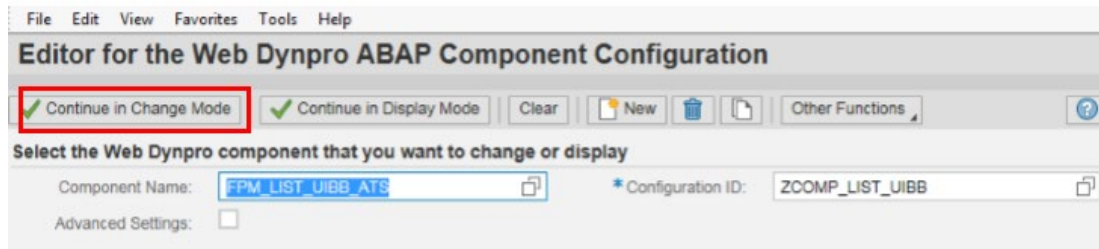
4. Double-Click on the configuration Id ZCOMP_LIST_UIBB.



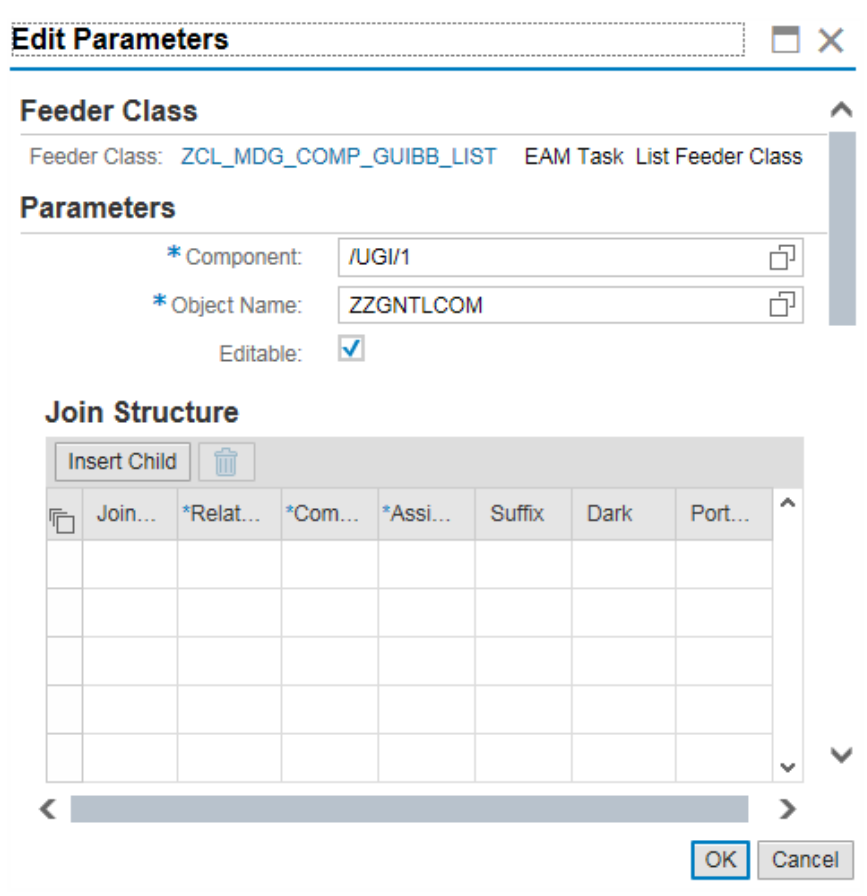
- Click on the "Start Configurator".



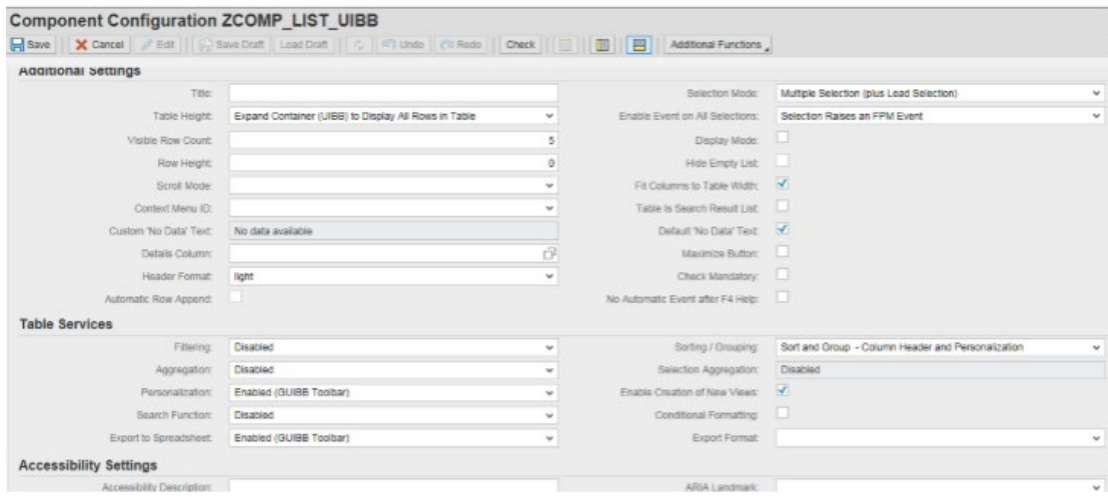
- In the web browser, choose the "Continue in Change Mode" button.



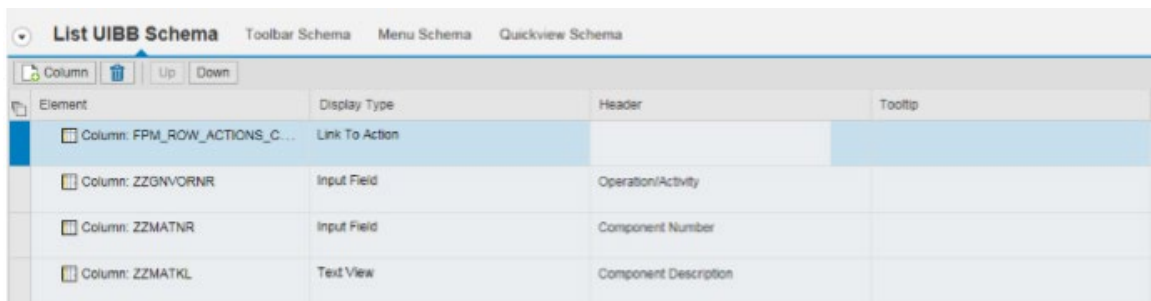
7. Choose the "Feeder Class" button in the input field enter ZCL_MDG_COMP_GUIBB_LIST and choose the Edit Parameters and enter GenIL component and Custom Entity type and click "Editable" checkbox.



8. In the General Settings section of the UIBB configuration enter the details as displayed in the following screen.



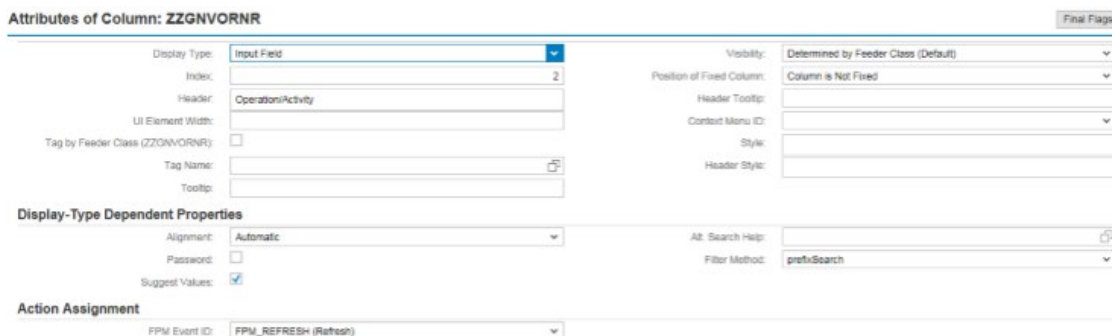
9. Click “Column” button and enter columns for the list UIBB.



Element	Display Type	Header	Tooltip
Column: FPM_ROW_ACTIONS_C...	Link To Action		
Column: ZZGNVORNR	Input Field	Operation/Activity	
Column: ZZMATNR	Input Field	Component Number	
Column: ZZMATKL	Text View	Component Description	

10. Choose the “Attributes” icon as shown in the following screen to display the attribute details box at the bottom of the screen.

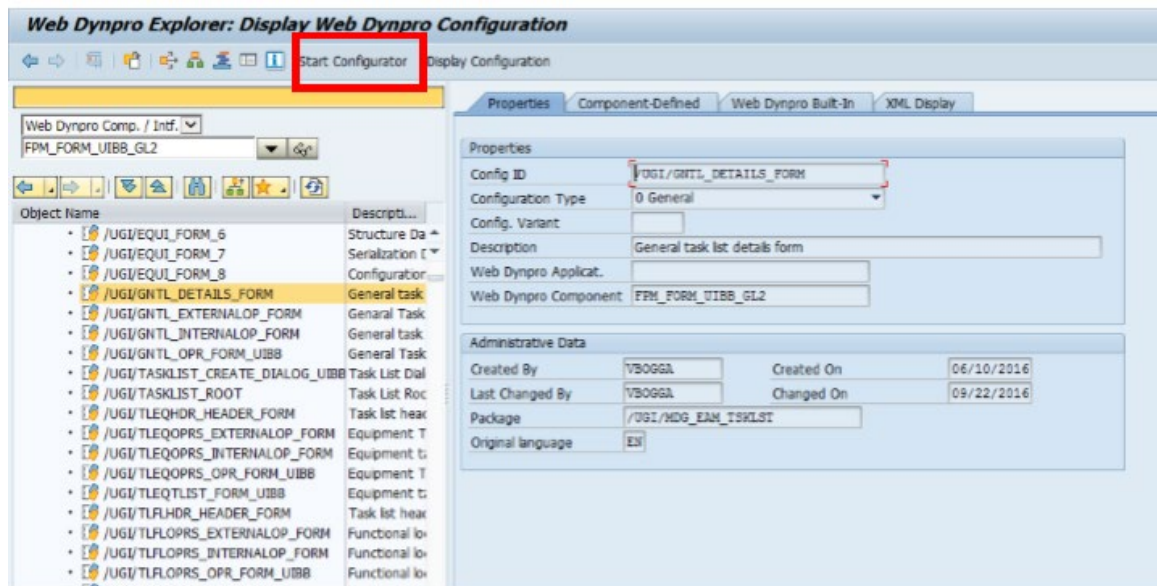
For each element in the table, set the attributes FPM Event ID and Suggest Values as displayed in the screen and save.



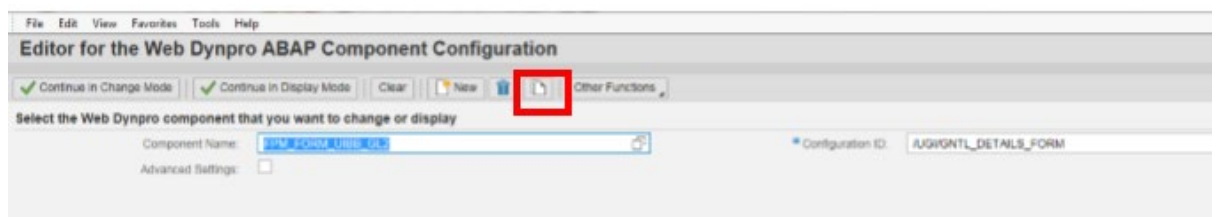
Copy Form UIBB

Use the following steps to copy Form UIBB:

1. Double-Click the component configuration /UGI/GNTL_DETAILS_FORM and Click on “Start Configurator”.



- Click on "Copy" button.



- Enter Configuration ID and description.

Copy Configuration
✖

Original

Configuration ID: /UGI/GNTL_DETAILS_FORM
Description: General task list details form

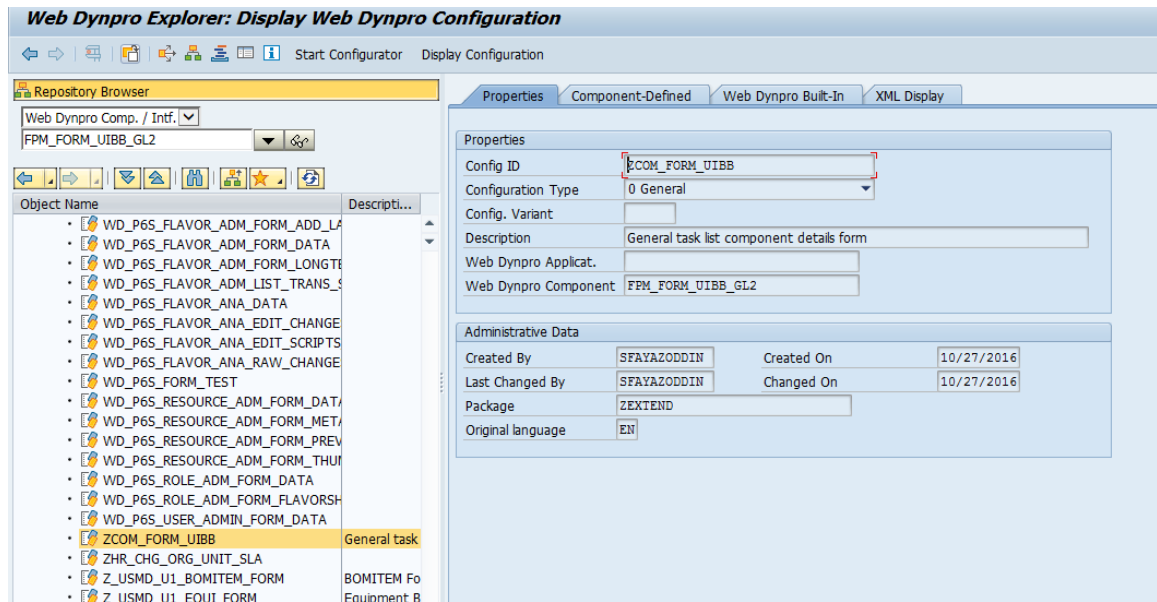
Copy

Configuration ID: ZCOM_FORM_UIBB
Description: General task list Component details form

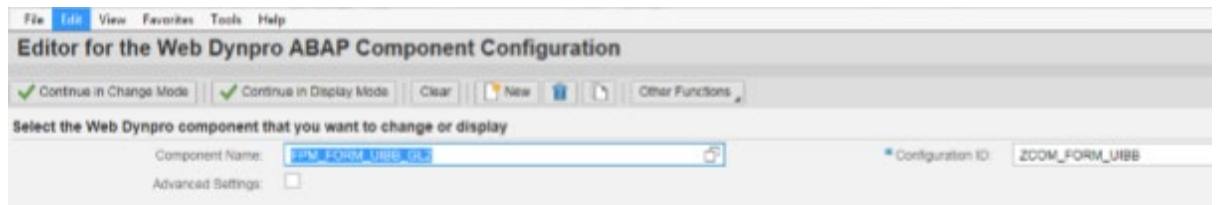
- Enter package \$TMP or Package name.

5. In the SAP GUI, refresh the object list. Confirm that your new configuration is there.

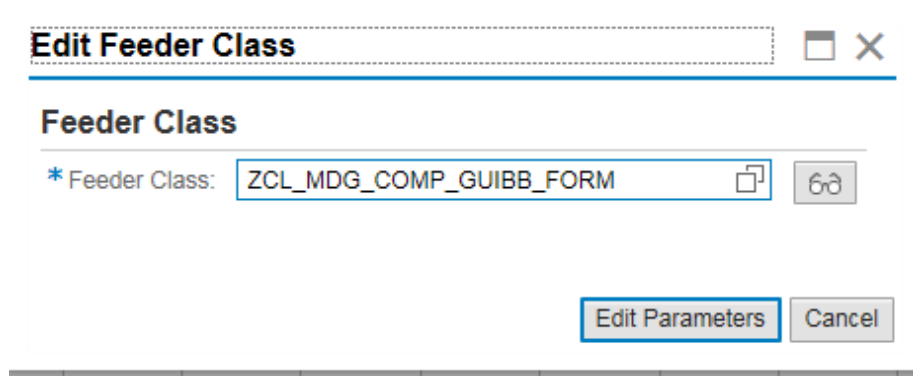
- Double-Click on the new configuration (for example ZCOM_FORM_UIBB and click on “Start Configurator”).



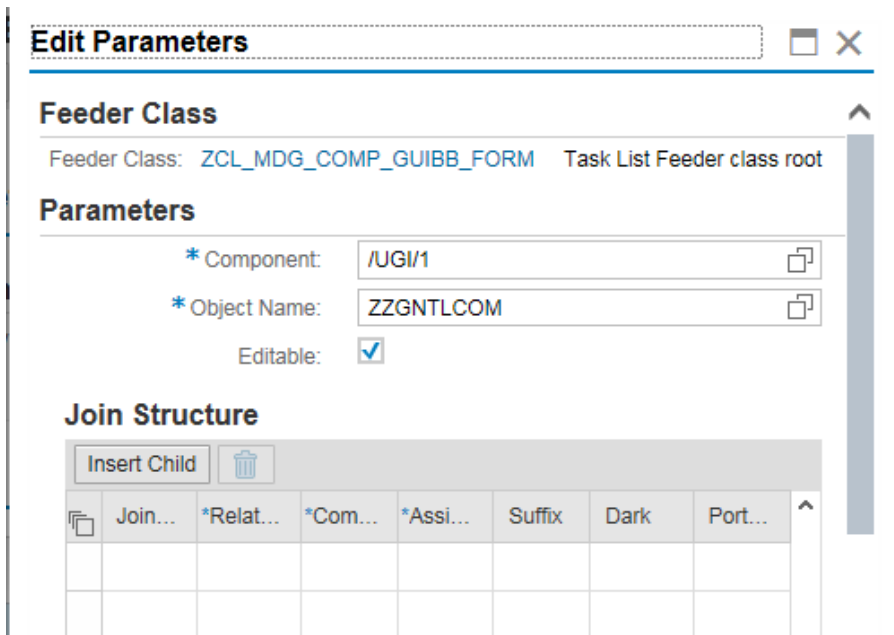
7. In the web browser, choose the “Continue in Change Mode” button.



8. Choose the “Feeder Class” button. In the input field enter ZCL_MDG_COMP_GUIBB_FORM and choose the “Edit Parameters” button.



9. Enter Feeder class, GenIL component and custom entity type.



Edit Parameters

Feeder Class

Feeder Class: **ZCL_MDG_COMP_GUIBB_FORM** Task List Feeder class root

Parameters

* Component:

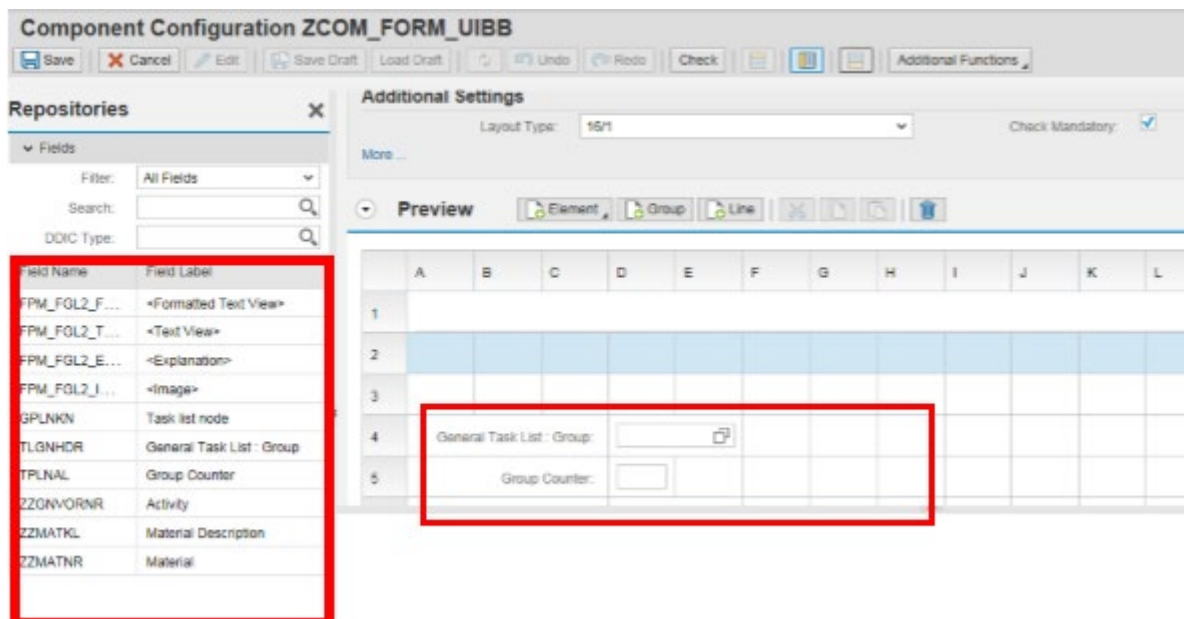
* Object Name:

Editable: ☒

Join Structure

Join...	*Relat...	*Com...	*Assi...	Suffix	Dark	Port...

10. Drag and Drop required form element from left hand side panel as displayed in the following screen.



Component Configuration ZCOM_FORM_UIBB

Save Cancel Edit Save Draft Load Draft Undo Redo Check Additional Functions

Repositories

Fields: All Fields

Search:

DDIC Type:

Field Name	Field Label
FPM_FGL2_F...	<Formatted Text View>
FPM_FGL2_T...	<Text View>
FPM_FGL2_E...	<Explanation>
FPM_FGL2_I...	<Image>
GPLNKN	Task list node
TLGNHDR	General Task List - Group
TPLNAL	Group Counter
ZZGNVORN	Activity
ZZMATKL	Material Description
ZZMATNR	Material

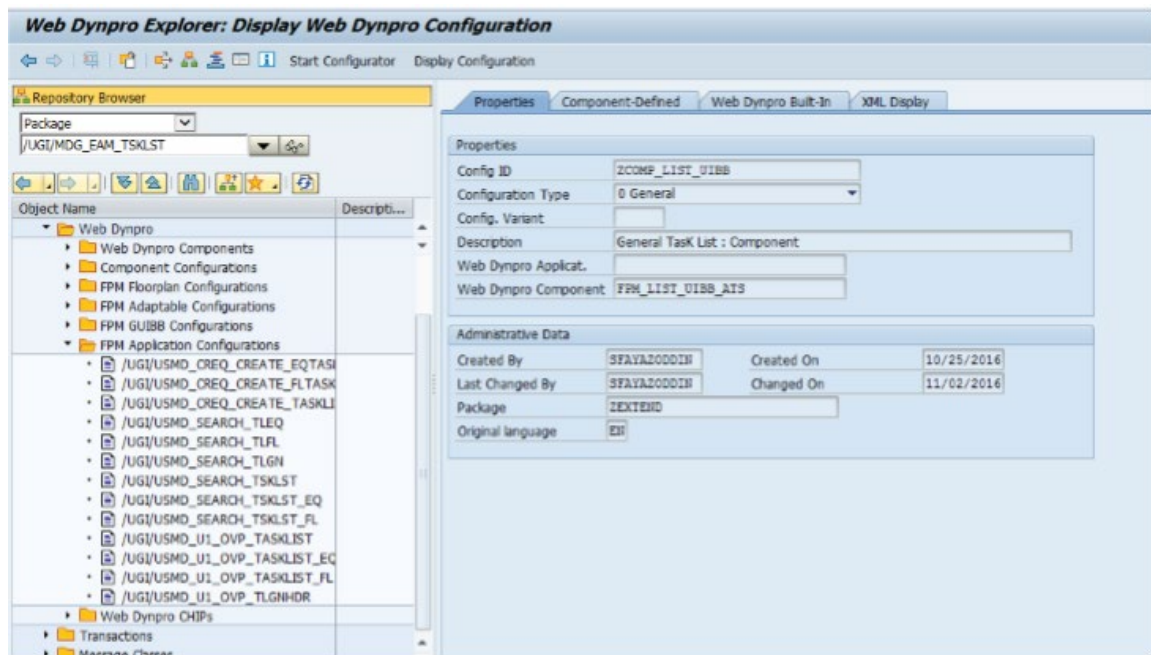
Additional Settings

Layout Type: 15/1 Check Mandatory: ☒

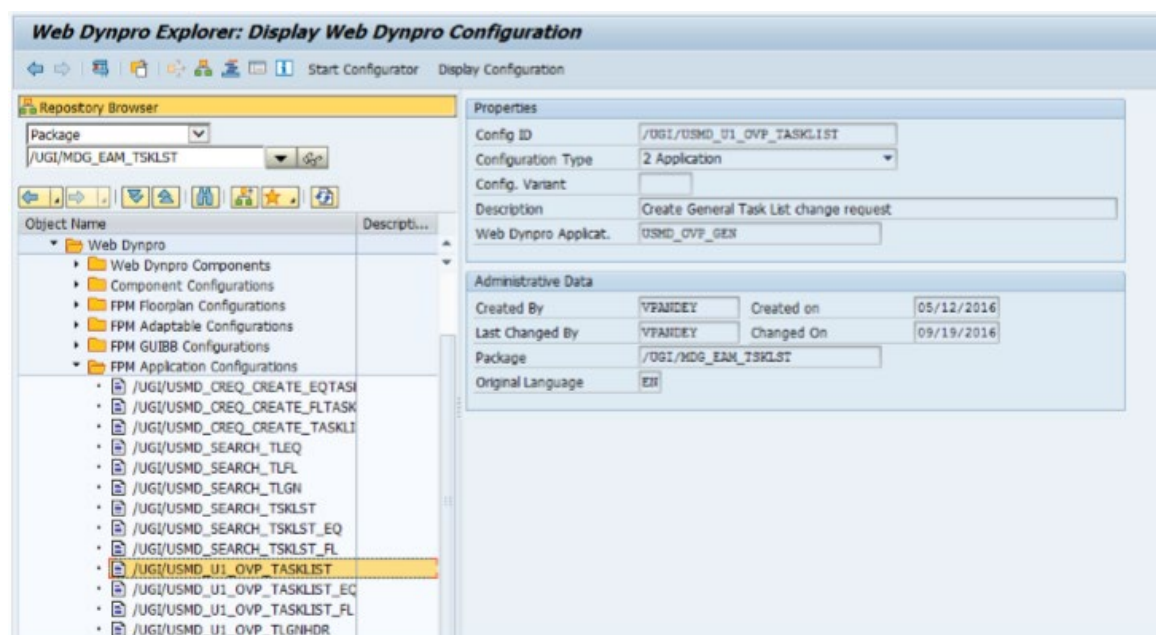
Preview

	A	B	C	D	E	F	G	H	I	J	K	L
1												
2												
3												
4												
5												

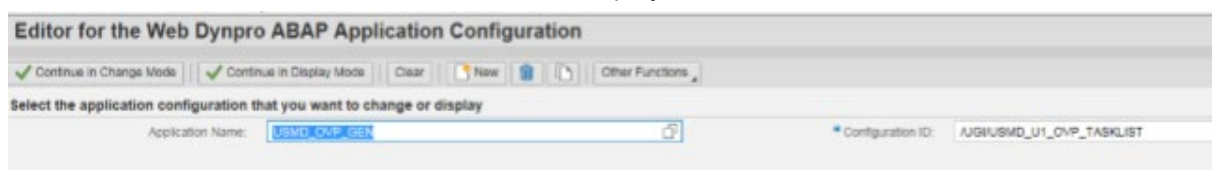
11. Start t-code SE80. In the dropdown, select Package.
Enter /UGI/MDG_EAM_TSKLST in the input field. Navigate the Application Configuration as displayed in the screens. Double-Click on the "Application Configuration".



12. Double-Click application configuration /UGI/USMD_U1_OVP_TASKLIST and click “Start Configuration”.



13. In the browser window, choose the “Continue in Display Mode” button.



14. Click on the link for Configuration Name /UGI/USMD_U1_CMP_TASKLIST_OVP.

Application Configuration /UGI/USMD_U1_OVP_TASKLIST

Save Cancel Edit Check New Window Enhance Properties Test

Assign Web Dynpro Component

Assign Configuration Name


Component Usage	Component	Implementation	Configuration Name
USMD_OVP_GEN	FPM_ADAPTABLE_OVP	FPM_ADAPTABLE_OVP	UGI/USMD_U1_OVP_CBA
OVP	FPM_OVP_COMPONENT	FPM_OVP_COMPONENT	UGI/USMD_U1_OVP_TASKLIST_OVP

Application Parameter


Display Default Values URL Parameter

General


15. Choose the icon as displayed in the screenshot to display the Adaptations and Comparisons.

Add Adaptation 


Bus. Obj. Type

Applies to all values: ☒ Bus. Obj. Ty... 


Log. Action

Applies to all values: ☒ Log. Action: 


Type of Chg. Request

Applies to all values: ☒ Type of Chg... 

Step

Applies to all values: ☒ Step: 

Namespace

* Namespace: 



OK **Cancel**

16. Select "Adaptation" tab.

Component Configuration ZC061A8D026369DBB24EC4DC33F8E2AD, Main Page "Process Object with MDG"

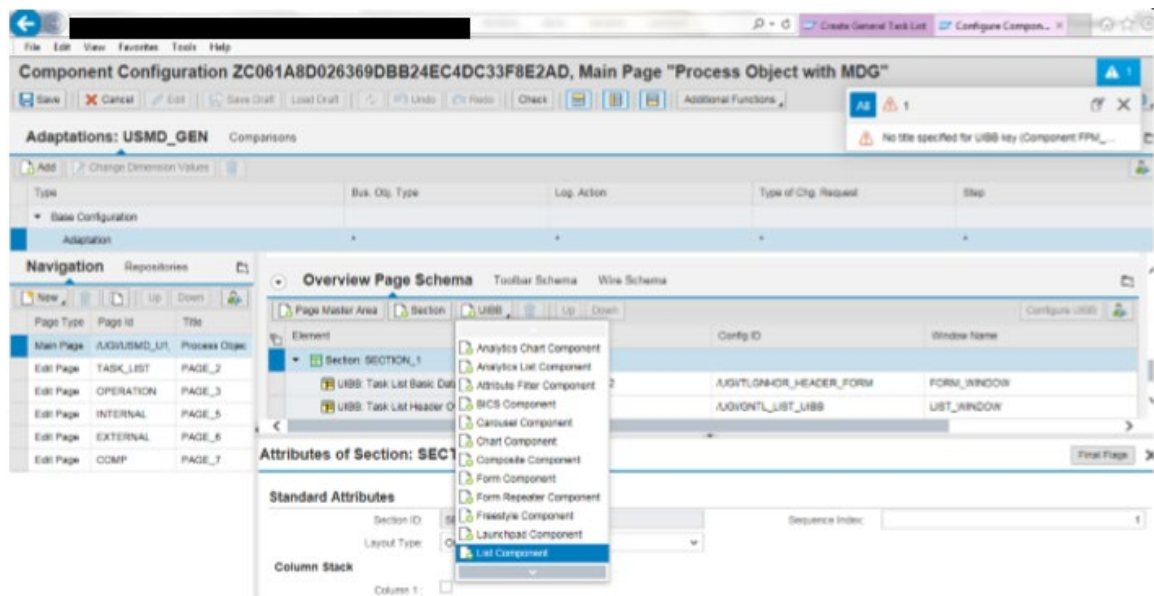
Save Cancel Edit Save Draft Load Draft Undo Redo Check Additional Functions

Adaptations: USMD_GEN Comparisons

Type	Bus. Obj. Type	Log. Action	Type of Chg. Request
Base Configuration			
Adaptation	*	*	*

17. Click on "UIBB" button and select List Component.

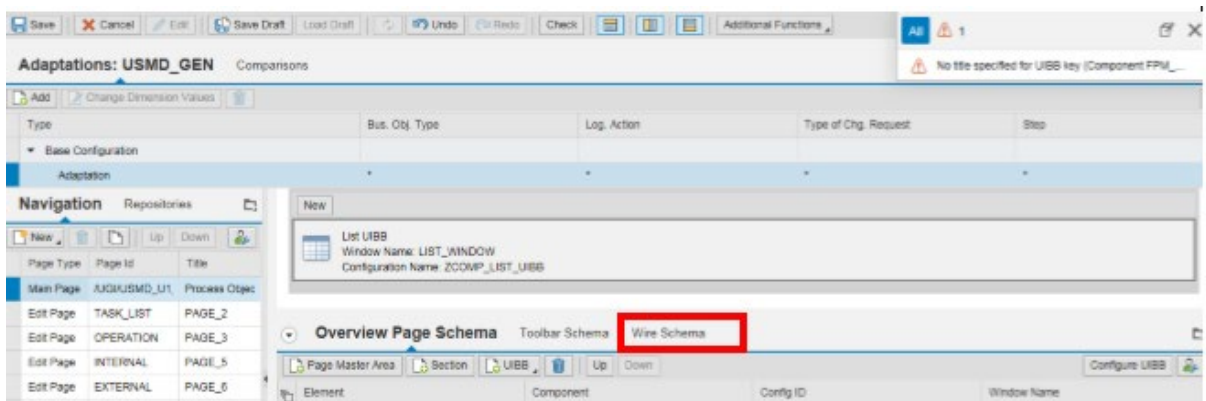


18. Enter attributes as displayed in the following screen.

Attributes of U1BB Final Flags

Standard Attributes			
Component:	FPM_LIST_U1BB_ATS	Title:	
Window Name:	LIST_WINDOW	Image:	
Config ID:	ZCOMP_LIST_U1BB	Padding:	Automatic (Default)
Instance ID:		Style:	
Column:	1	Explanation Text:	
Sequence Index:	4	Explanation Document:	
Hidden Element:	Visible	Default Edit Page:	
Resolution Type:	100% Fixed	Public & Private Pages:	

19. Select the "Wire Schema" tab.



20. Click the "Wire Schema" button to connect your custom List-U1BB to the rest of the UI.

Overview Page Schema Toolbar Schema **Wire Schema**

Transaction: MDG BOL Transaction Handler (/UGI/CL_MDG_BOL_TRANSACTION_U1)

Wire Graphical Wire Editor

Element	Compo...	Config ID	P. Source Component	Source Config Name
Wire: List /UGI/TLGN...	FPM_LIST	/UGI/TLGNOPRS_OPR_LIST_UIBB	▼ FPM_LIST_UIBB_ATS	/UGI/TLGNOPRS_OPR_LIST_UIBB
Wire: Form /UGI/TLGN...	FPM_FOR	/UGI/TLGNOPRS_OPR_FORM_UIBB	▼ FPM_LIST_UIBB_ATS	/UGI/TLGNOPRS_OPR_LIST_UIBB

Attributes of Wire: Form ZCOM_FORM_UIBB Final Flags

Standard Attributes

* Component:	FPM_FORM_UIBB_GL2	Src Inst. ID:	
Config ID:	ZCOM_FORM_UIBB	Port Type:	Lead Selection
Instance ID:		Port Identifier:	STANDARD
Source Component:	FPM_LIST_UIBB_ATS	* Connector Class:	CL_FPM_CONNECTOR_BOL_IDENTITY
Source Config Name:	ZCOMP_LIST_UIBB		

21. Same for LIST UIBB and Form UIBB.

Wire: Form /UGI/TLGN...	FPM_FOR	/UGI/TLGNOPRS_OPR_FORM_UIBB	▼ FPM_LIST_UIBB_ATS	/UGI/TLGNOPRS_OPR_LIST_UIBB
Wire: Form /UGI/TLGN...	FPM_FOR	/UGI/TLGNOPRS_OPR_FORM_UIBB	▼ FPM_LIST_UIBB_ATS	/UGI/TLGNOPRS_OPR_LIST_UIBB
Wire: List /UGI/TLGN...	FPM_LIST	/UGI/TLGNOPRS_OPR_LIST_UIBB	▼ FPM_FORM_UIBB_GL2	/UGI/TLGNOPRS_OPR_LIST_UIBB
Wire: Form /UGI/TLGN...	FPM_FOR	/UGI/TLGNOPRS_OPR_FORM_UIBB	▼	
Wire: Form /UGI/TLGN...	FPM_FOR	/UGI/TLGNOPRS_OPR_FORM_UIBB	▼ FPM_LIST_UIBB_ATS	/UGI/TLGNOPRS_OPR_LIST_UIBB
Wire: Form ZCOM_FO...	FPM_FOR	ZCOM_FORM_UIBB	▼ FPM_LIST_UIBB_ATS	ZCOMP_LIST_UIBB
Wire: List ZCOMP_LIST...	FPM_LIST	ZCOMP_LIST_UIBB	▼ FPM_LIST_UIBB_ATS	/UGI/TLGNOPRS_OPR_LIST_UIBB

Attributes of Wire: List ZCOMP_LIST_UIBB Final Flags

Standard Attributes

* Component:	FPM_LIST_UIBB_ATS	Src Inst. ID:	
Config ID:	ZCOMP_LIST_UIBB	Port Type:	Lead Selection
Instance ID:		Port Identifier:	STANDARD
Source Component:	FPM_LIST_UIBB_ATS	* Connector Class:	CL_MDG_BS_CONNECTOR_BOL_REL
Source Config Name:	/UGI/TLGNOPRS_OPR_LIST_UIBB		

22. Save your changes.

File Edit View Favorites Tools Help

Component Configuration ZC061A8D026369DBB24EC4DC33F8E2AD, Main Page "Process Object with MDG"

Save Cancel Edit Save Draft Load Draft Undo Redo Check Additional Functions

Adaptations: USMD_GEN Comparisons

Add Change Dimension Values

Type	Bus. Obj. Type	Log. Action	Type of Chg. Request	Step
Base Configuration				
Adaptation				

Navigation Repositories

Page Type	Page Id	Title
Main Page	UGI/USMD_UT	Process Object
Edit Page	TASK_LIST	PAGE_2
Edit Page	OPERATION	PAGE_3
Edit Page	INTERNAL	PAGE_5
Edit Page	EXTERNAL	PAGE_6
Edit Page	COMP	PAGE_7

Wire: Form /UGI/TLGN...	FPM_FOR	/UGI/TLGNOPRS_OPR_FORM_UIBB	▼ FPM_LIST_UIBB_ATS	/UGI/TLGNOPRS_OPR_LIST_UIBB
Wire: Form /UGI/TLGN...	FPM_FOR	/UGI/TLGNOPRS_OPR_FORM_UIBB	▼ FPM_LIST_UIBB_ATS	/UGI/TLGNOPRS_OPR_LIST_UIBB
Wire: List /UGI/TLGN...	FPM_LIST	/UGI/TLGNOPRS_OPR_LIST_UIBB	▼ FPM_FORM_UIBB_GL2	/UGI/TLGNOPRS_OPR_LIST_UIBB
Wire: Form /UGI/TLGN...	FPM_FOR	/UGI/TLGNOPRS_OPR_FORM_UIBB	▼	
Wire: Form /UGI/TLGN...	FPM_FOR	/UGI/TLGNOPRS_OPR_FORM_UIBB	▼ FPM_LIST_UIBB_ATS	/UGI/TLGNOPRS_OPR_LIST_UIBB
Wire: Form ZCOM_FO...	FPM_FOR	ZCOM_FORM_UIBB	▼ FPM_LIST_UIBB_ATS	ZCOMP_LIST_UIBB
Wire: List ZCOMP_LIST...	FPM_LIST	ZCOMP_LIST_UIBB	▼ FPM_LIST_UIBB_ATS	/UGI/TLGNOPRS_OPR_LIST_UIBB

Attributes of Wire: List ZCOMP_LIST_UIBB Final Flags

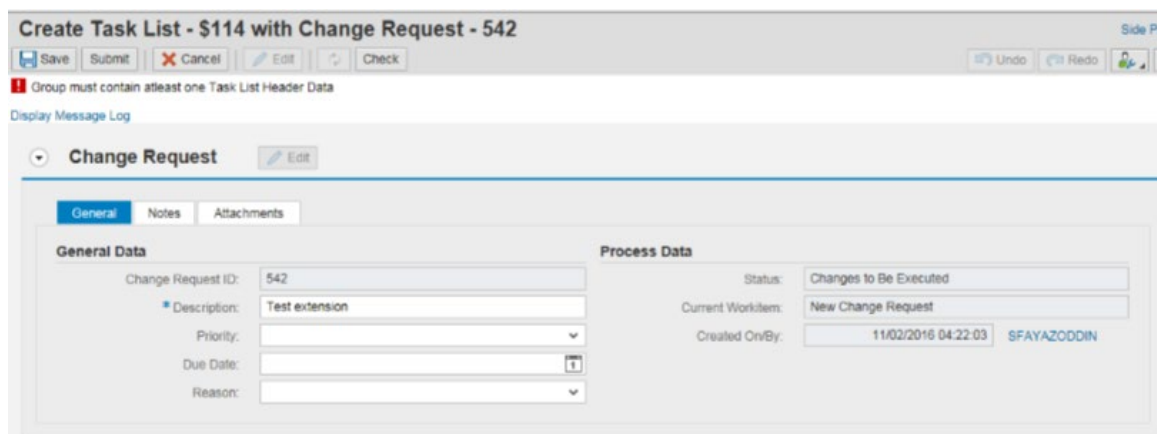
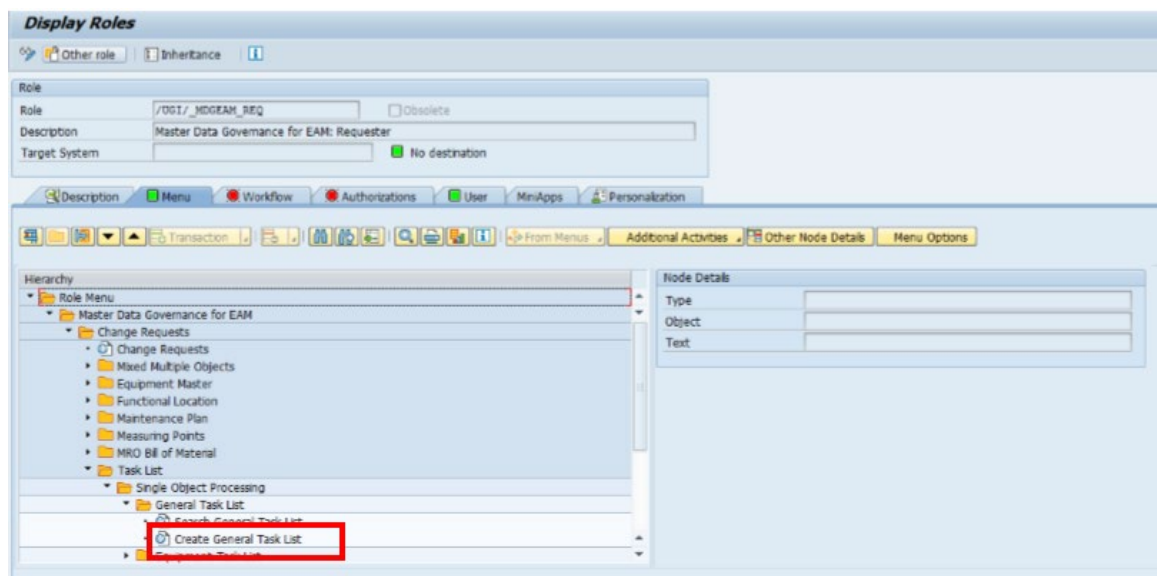
Testing the Configuration

Note: If you extend the Data Model according to the guidelines shown below, but the fields are not populated when you activate the Data Model, see SAP Note [1641867](#)- Values for extension field missing after CR activation.

To test your configuration, start the MDG Task List UI using the following URL (replace the parameters host, port and client-id to match your landscape):

```
https://<host>:<port>/sap/bc/webdynpro/sap/ usmd_ovp_gen?
ACTION=CREATE&FPM_EDIT_MODE=E&saplanguage=EN&&WDCONFIGURATIONID=%2fUGI%2
fUSMD_U1_OVP_TASKLIST#
```

Start transaction PFCG, enter role name /UGI/_MDGEAM_REQ and click the Display button. Select the Menu –Tab. In the hierarchy window navigate to Role Menu > Master Data Governance for EAM > Change Request >Task List >Single Object Processing. Right-Click on Create General Task List and select Execute from the drop-down.



Create Task List - \$114 with Change Request - 542

Save Submit Cancel Edit Check Undo Redo

Task list 01 / Operation 0010 : Activity type is absent for the operation

Display Message Log

* Group: \$114
* Key Date: 11/02/2016

Task List Header Overview New

Reset Delete

Actions	Group Co...	TL Descripti...	Planning...	Work center	Plant	Usage	Planner g...	Status	System Co...	Deletion flag
Details	1	test	0001	WCBA02	0001	4		4		

Operation Overview New Internal External

Delete

Actions	Activity	Work center	Plant	Control key	Operation short text
Details	0010	WCBA02	0001	PM01	test

New

Actions	Operation/Activity	Component Number	Component Description
No data available			

Done

General Task List : Group: \$114

Group Counter: 1

* Operation/Activity: 0010

Material: 1

Material Description: test

Save and Submit the CR. Finalize processing and Approve.

After activation use t-code IA06 and verify attributes have been transferred correctly.

General maintenance task list Change: Component Overview

Internal External Operation Header Task list

Group 22 test Grp.Counter 1

Activity 0010 test

Catalog

Material	Quantity	Un	B	M	Component Description	L. Assembly	Sort	Item	C...	PM	P...	S...	S...	M...	B...	Iss.PL	Pkt	PGp	Price
		EA			MRO ERSA TEST MATERIAL 1 - BULK	1	STANDARD		X										0,00