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Applies to

Master Data Governance for Financials (MDG-F) with release versions 7.0 and newer. For more information, visit the Master Data Management homepage (https://go.sap.com/community/topic/master-data-governance.html).

Summary

SAP Master Data Governance (MDG) is used for embedded Master Data Management (MDM), that is, centralized, out-of-the-box, domain-specific creation, modification, and distribution of master data with a focus on SAP Business Suite.

Domain-specific content (data models, user interfaces, workflows) is provided as part of the standard for several application areas. It is a common requirement from customers to adapt the MDG data models to their specific needs.

This document explains how to enable the new functionality of changeable IDs for MDG-F entities. It describes the key concepts and implementation details as well as possible enhancement options.

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Created on: October 20165

Version: 1.2

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Introduction

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Domain-specific content (data models, user interfaces, workflows) is provided as part of the standard for several application areas. It is a common requirement from customers to adapt the MDG data models to their specific needs.

This document explains how to enable the new functionality of changeable IDs for MDG-F entities. It describes the key concepts and implementation details as well as possible enhancement options.

We recommend that you study the following how-to guide before working with the current guide:

[Extensibility Options for SAP Master Data Governance for Financial Data](#) ➔ Overview about MDG-F

MDG for Financials

MDG offers a domain specific solution for financial governance (MDG-F). The current MDG-F data model is called `0G`. It covers entity types of the accounting, controlling, and consolidation components of financial master data as indicated by the examples below:

- **Accounting**: *G/L Account* (`ACCOUNT & ACCCCDET`), *Company*
- **Controlling:** *Cost Center* (`CCTR`), *Cost Element* (`CELEM`) and *Profit Center* (`PCTR`)
- **Consolidation:** *Consolidation Unit* `(CONSUNIT)`, *Item* `(FSI)`

Technical Information

This document refers to development artifacts that are provided by SAP with MDG 7.0 feature pack 1 support package 2. It is mandatory that this package is applied to your MDG system. Otherwise, you cannot enable the functionality.

Scenario

The default implementation for the data model `0G` defines all key components of the entity types with *SU Type* 1 as external and non-changeable. The master data requestor must define the keys in the first steps of the creation process. The keys cannot be changed in later process steps, for example by a master data expert.

Nevertheless, many real-life scenarios require a late assignment of the actual object ID (for example the account or the cost center number) since its correct value is usually unknown to the master data requestor. SAP has implemented the required functionality in MDG-F with release 7.0 in feature pack 1. The document explains the configuration steps you must apply to the MDG system to enable this feature.

Technical Background

The feature is implemented only for the user interfaces of single object maintenance. Having read the overview document [Extensibility Options for SAP Master Data Governance for Financial Data](#) ➔ Overview about MDG-F, you already know how to enhance the user interfaces of the MDG-F solution. The implementation requires knowledge in this area.

Implementation

The feature does not change the data model definition. It provides the functionality on the user interface level. It only allows you to changing IDs (such as account numbers or cost center numbers) only. It does not enable you to change key components that related to entity types with *SU Type* 3 (such as chart of accounts or controlling areas).

You can use the feature only for the creation of new entities in single object maintenance. The feature is not supported in mass maintenance or in hierarchy maintenance.

The implementation consists of several steps.

1. Create a custom Web Dynpro Application Configuration.
   The feature itself is enabled by a new application parameter. The parameter is not set in the default deliverables by SAP. The document uses the `Cost Center` entity type as an example configuration.
2. Create a custom MDG Communicator Configuration.
   Using a custom Web Dynpro application configuration requires the creation of a custom MDG Communicator configuration, too. Otherwise, the integration of the change request and its UIBBs would not work automatically anymore.
3. Add your custom Web Dynpro Application Configuration to the MDG Customizing.
   Using a custom Web Dynpro Application Configuration requires a few updates in MDG customizing tables that are used during the navigation into the user interfaces.

Step 1: Create a Custom Web Dynpro Application Configuration

The changeable IDs functionality is enabled by setting the application parameter
`MDGF_ENABLE_KEY_SWITCH` to `X` within a Web Dynpro Application Configuration. SAP delivers these for
each entity type with *SU Type* 1 that has its own user interface. It is possible to enable the feature only for a
single entity type. The following steps use the `Cost Center` as an example.

1. Start the Web Dynpro application configurator for the application configuration.
2. Define the existing Web Dynpro application configuration with component name `MDGF_OVP_GEN` and
   its configuration ID `MDGF_0G_OVP_CCTR`.
3. Choose the *Copy* button. Follow the instruction of the *Copy Configuration* pop-up to create your
   custom Web Dynpro application configuration.
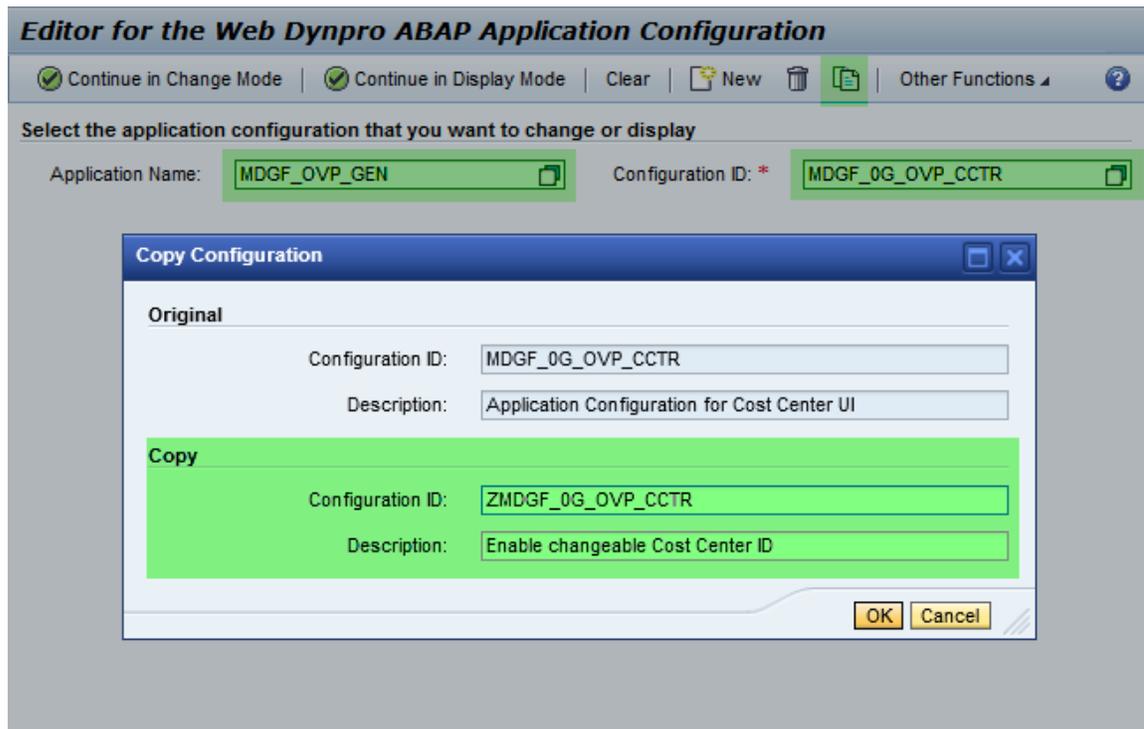
4. Once the copy is finished, choose the *Continue in Change Mode* button to apply the application
   parameter value.
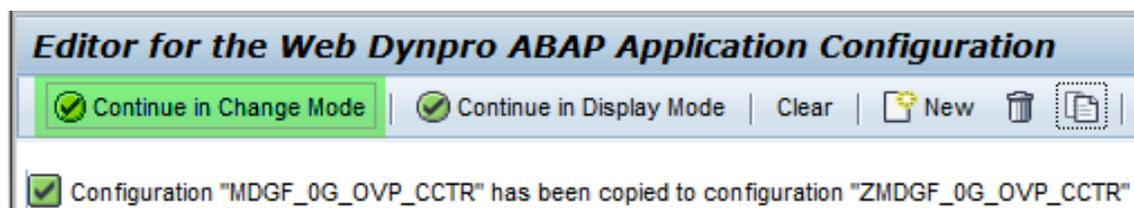
5. Locate parameter `MDGF_ENABLE_KEY_SWITCH` in the list of application parameters and set its value to *X*. Save your changes.
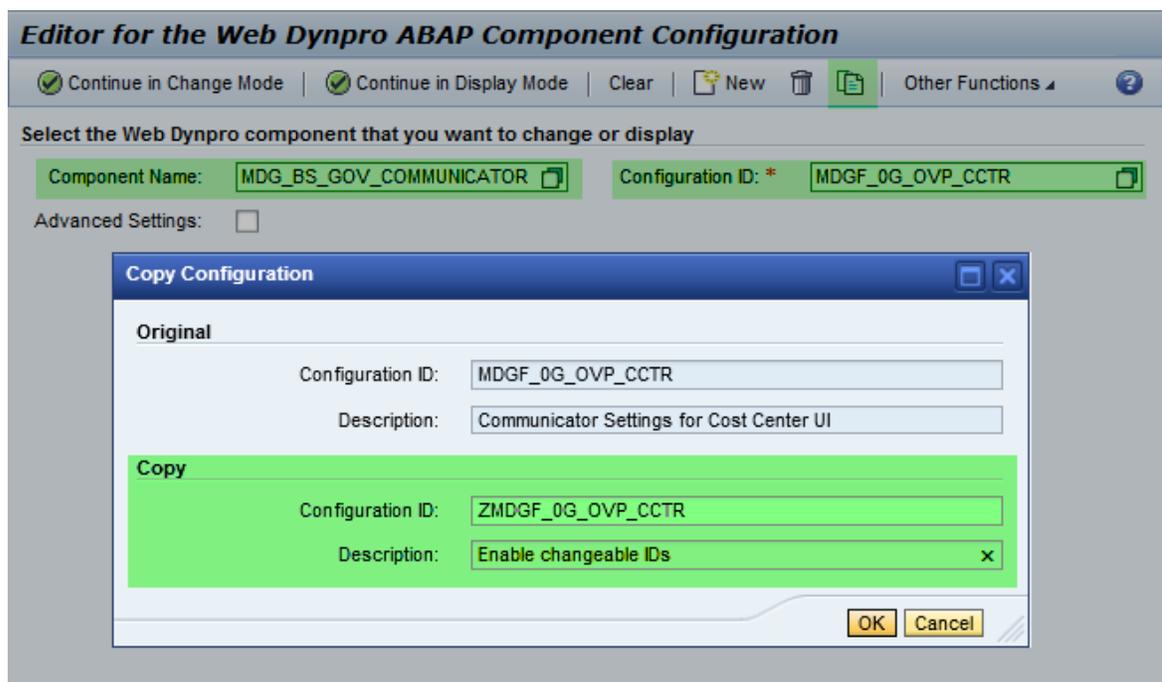

Result

You have enabled the changeable ID functionality for `Cost Centers`. You have to repeat the steps above for any other MDG-F entity type that uses changeable IDs.

Proceed with the next step to create the required MDG communicator configuration.

Step 2: Create a Custom MDG Communicator Configuration

The MDG Communicator is used for generic tasks within the MDG-F user interfaces. For example, it adds the change request UIBBs dynamically to the user interface. The MDG Communicator requires a configuration with the same name as the Web Dynpro application configuration. After you create a new application configuration, you must also create a new MDG Communicator configuration, too. The following steps use the `Cost Center` as an example.

1. Start the Web Dynpro component configurator for the MDG Communicator configuration.
2. Define the existing Web Dynpro component configuration with component name
   `MDG_BS_GOV_COMMUNICATOR` and its configuration ID `MDGF_0G_OVP_CCTR`.
3. Choose the *Copy* button. Follow the instruction of the copy pop-up to create your custom Web Dynpro component configuration for the MDG Communicator.

4. Additional steps are not required.

Result

You have created a new MDG Communicator configuration for your custom Web Dynpro application for `Cost Centers`. You have to repeat the steps above for any other MDG-F entity type that shall use changeable IDs.

Proceed with the next step to adjust the required MDG customizing entries for navigation into the user interface.

Step 3: Adjust MDG Customizing

MDG consists of several customizing tables that are used for the navigation into user interfaces. You need to add the newly created Web Dynpro application into the tables to ensure that your new user interface supporting changeable IDs is used instead of the SAP pre-defined user interfaces. The following steps use the `Cost Center` as an example.

1. Start transaction `MDGIMG`.
2. Open *General Settings → Process Modelling → Business Activities*.
3. Open *Link Log. Actions with UI Application and Bus. Activity: Custom Definition*
   1. Take a look at the SAP default configuration for cost centers in *Link Log. Actions with UI Application and Bus. Act.: Standard Definition*. You should see a couple of records similar to the table below:

BO Type	Log. Action	Current UI App.	Current UI Config.	Target UI App.	Target UI Config.	Business Activity
158	CREATE	*	*	MDGF_OVP_GEN	MDGF_0G_OVP_CCTR	CCT1
158	DISPLAY	*	*	MDGF_OVP_GEN	MDGF_0G_OVP_CCTR	CCT3

   2. Note and copy the lines that relate to the creation and display of cost centers using the SAP UI configuration `MDGF_0G_OVP_CCTR`.
   3. Go to the custom definition and add new entries using the previously noted and copied values as a template. Define your new target UI configuration.

BO Type	Log. Action	Current UI App.	Current UI Config.	Target UI App.	Target UI Config.	Business Activity
158	CREATE	*	*	MDGF_OVP_GEN	**ZMDGF_0G_OVP_CCTR**	CCT1
158	DISPLAY	*	*	MDGF_OVP_GEN	**ZMDGF_0G_OVP_CCTR**	CCT3

   4. Save your changes.

4. Open *Link Logical Actions with Business Activity: Custom Definition*

1. Take a look at the SAP default configuration for cost centers in *Link Logical Actions with Business Activity: Standard Definition*. You should see a couple of records similar to the table below:

UI Application	UI Configuration	Log. Action	Business Activity
MDGF_OVP_GEN	MDGF_0G_OVP_CCTR	CREATE	CCT1
MDGF_OVP_GEN	MDGF_0G_OVP_CCTR	DISPLAY	CCT3

2. Note and copy the lines that relate to the creation and display of cost centers using the SAP UI configuration `MDGF_0G_OVP_CCTR`.

3. Go to the custom definition and add new entries using the previously copied values as a template:

UI Application	UI Configuration	Log. Action	Business Activity
MDGF_OVP_GEN	**ZMDGF_0G_OVP_CCTR**	CREATE	CCT1
MDGF_OVP_GEN	**ZMDGF_0G_OVP_CCTR**	DISPLAY	CCT3

4. Save your changes.

Result

You have added required Customizing entries for your Web Dynpro application for `Cost Centers`. You must repeat the steps above for any other MDG-F entity type that uses changeable IDs.

You have completely enabled the changeable IDs feature. You can start using it in the single object maintenance now.

Additional Information

Links

ABAP Enhancement Framework

FPM on SCN

MDG Guides on Service Market Place

How-to Guides

Extensibility Options for SAP Master Data Governance for Financial Data

- MDG-F Overview

SAP Notes

- 1637249 specifying required information for OSS support
- 2105467 specifying required information for Performance Issues

Version History

- 1.2 – Updated new SAP Community Links
- 1.1 – Updated chapter "Adjust MDG Customizing"
- 1.0 – First release of the document

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