



PUBLIC

How to Join Text Tables to Replace Technical Names with Descriptions in the HANA View for Drilldown Search

Applicable Releases:

From MDG 7.0 and from SAP S/4HANA 1511

Version 2.1

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Document History

Document Version	Description
1.0	First official release of this guide (Nov 2013)
2.0	Layout update (June 2024)
2.1	Correct title page (October 2024)

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1. Introduction

SAP Master Data Governance (MDG) provides business processes to find, create, change, and mark master data for deletion. It supports the governance of master data in a central hub and the distribution to connected operational and business intelligence systems.

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

MDG offers change request (CR)-based processing of master data with integrated workflow, staging, approval, activation, and distribution.

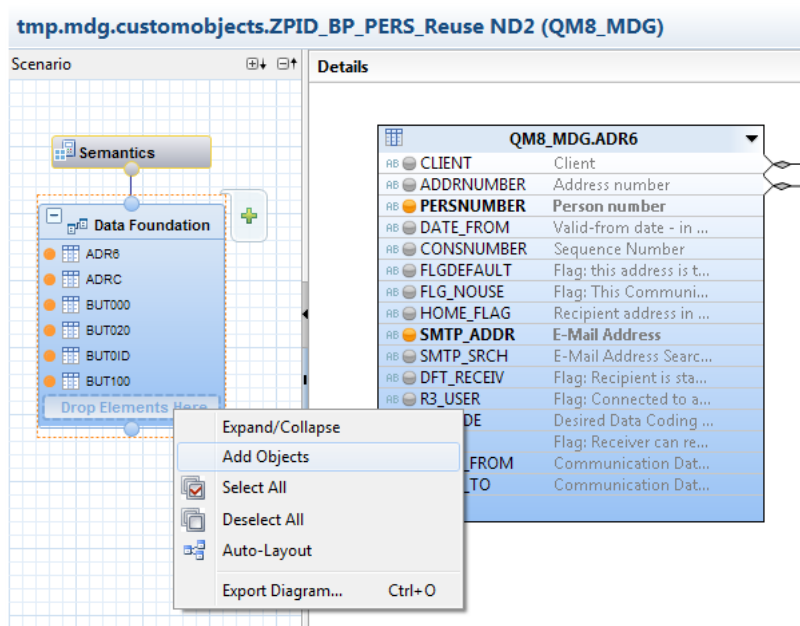
The SAP HANA-based search of master data is one of several ways of searching master data that reside in SAP HANA. You can create a HANA view and configure it to explore the master data or to perform a drilldown search. If the HANA view contains attributes with technical keys (such as Country Keys or Region Codes), the drilldown search results display technical keys instead of text descriptions. To ensure that text descriptions display in the browser panes and result sets of the drilldown search, you must manually modify your generated SAP HANA views in SAP HANA Studio by adding text joins to the corresponding text tables.

This How-To Guide describes the solution to ensure that text descriptions display in the browser panes and result sets of the drilldown search, you must manually modify your generated SAP HANA views in SAP HANA Studio by adding text joins to the corresponding text tables.

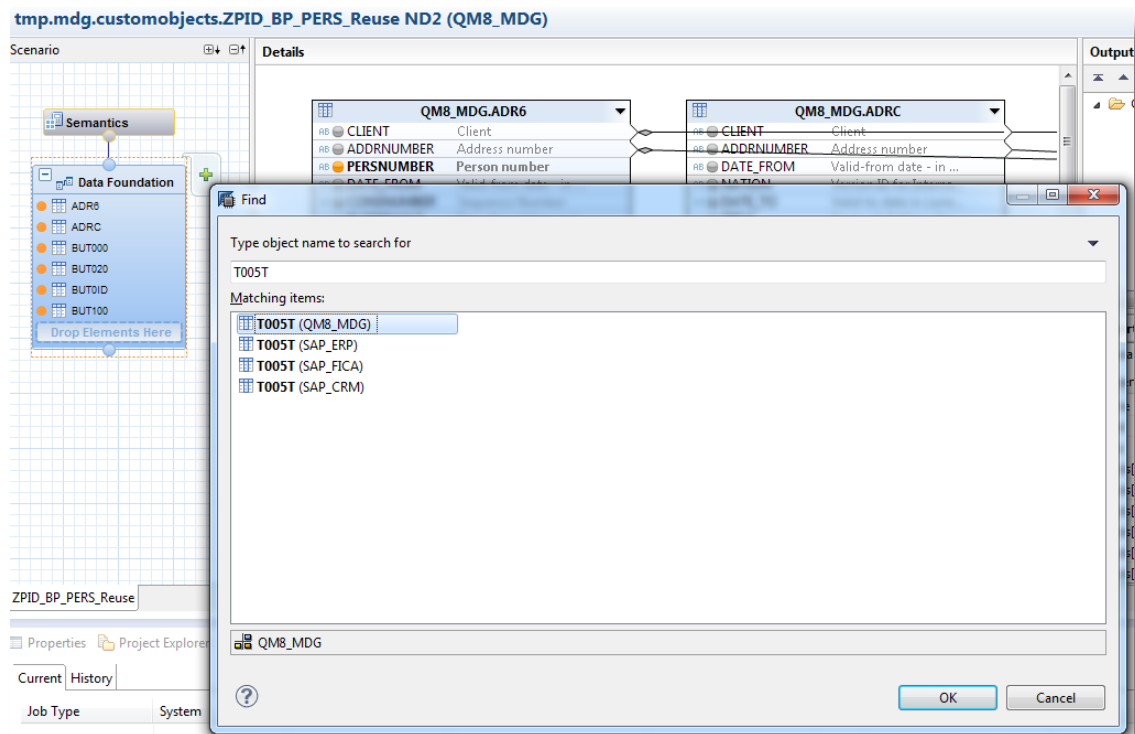
2. Example Implementation

In the example below, you modify the generated HANA view for the BP scenario to add the two text tables **TOO5T** (table with Country Name) and **TOO5U** (table with Region description) as joins to the main table **ADRO**.

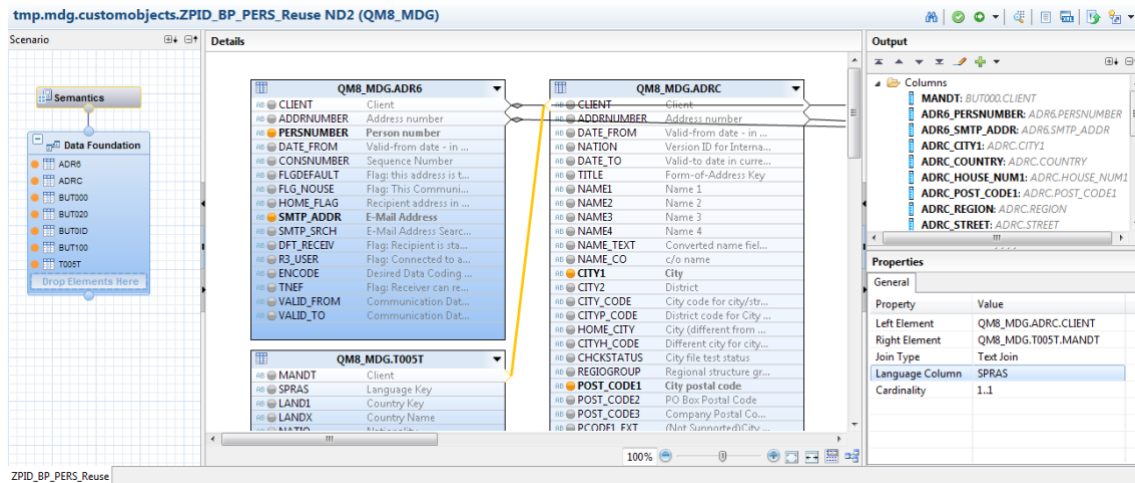
1. Open the HANA view in SAP HANA Studio. Add the text table by choosing the *Add Objects* option from the shortcut menu, as shown below. In this example, you create the HANA view for package **tmp/mdg/customobjects** and schema **QM8 MDG**.



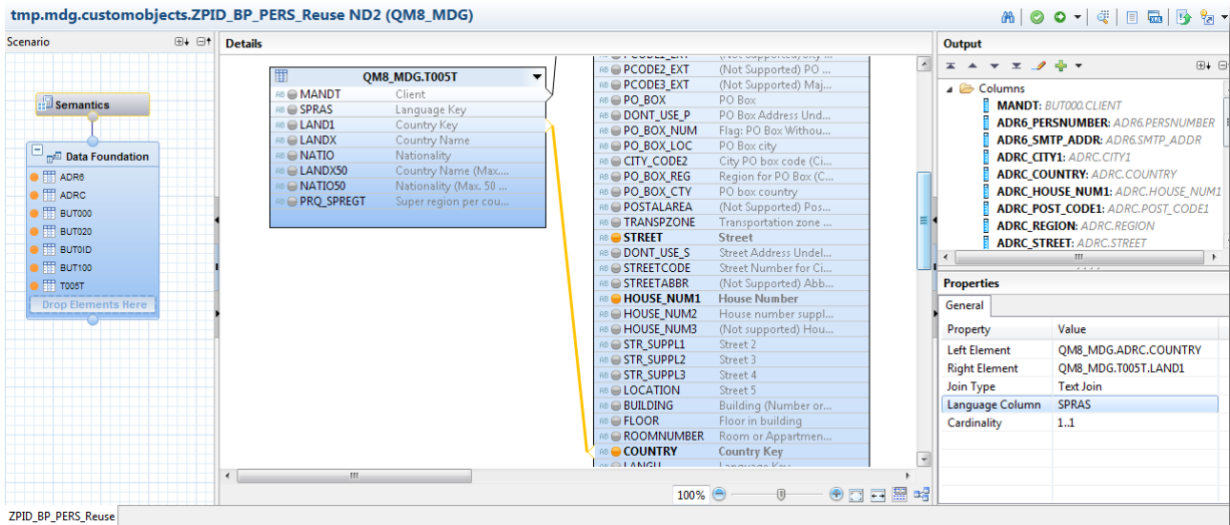
2. Add the text table **T005T** (Country Names) in this example HANA view.



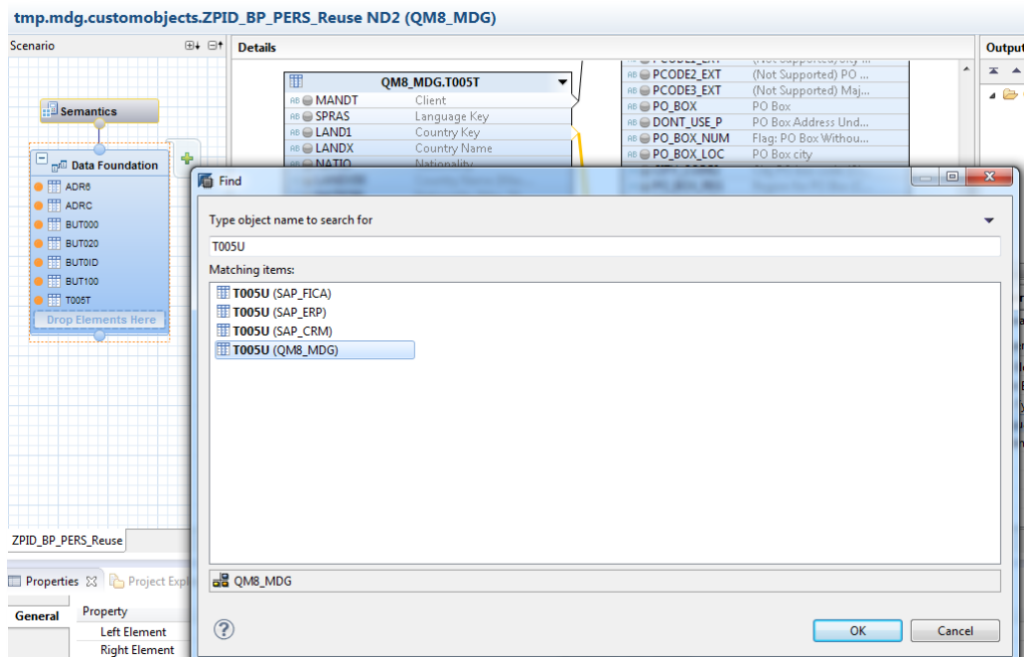
3. Create a text join between the **OLIENT** field of table **ADRO** and the **MANDT** field of table **T005T**.



4. Create a text join between the **COUNTRY** field of table **ADRO** and the **LAND1** field of table **T005T**.



5. Add table **T005U** (Region Key Text) as shown below.



6. Create a text join between the **OLIENT** field of table **ADRO** and the **MANDT** field of table **TOO5U**.

The screenshot shows the SAP Data Foundation interface for a scenario named 'tmp.mdg.customobjects.ZPID_BP_PERS_Reuse ND2 (QM8_MDG)'. The 'Details' pane shows the 'QM8_MDG.ADR6' table with fields like CLIENT, ADDRESS, and DATE. The 'QM8_MDG.T005U' table is selected, showing fields like MANDT, SPRAS, and LAND1. The 'Output' pane shows the resulting columns, including 'MANDT: BUT000.CLIENT'. The 'Properties' pane shows the join type as 'Text Join' and the cardinality as '1.1'.

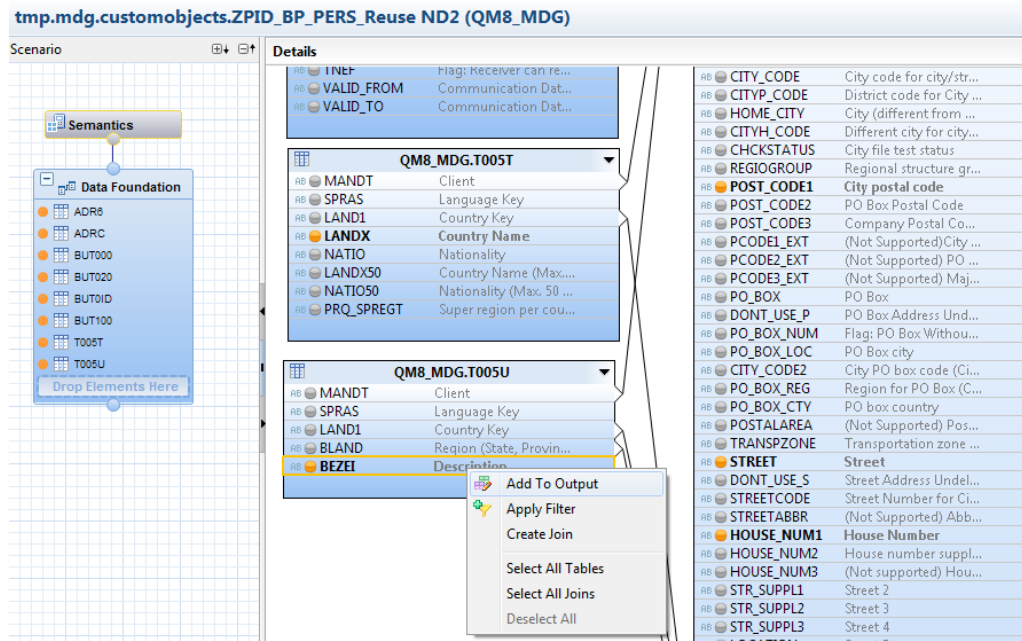
7. Create a text join between the **OUNTRY** field of table **ADRO** and the **LAND1** field of table **TOO**

The screenshot shows the SAP Data Foundation interface for the same scenario. The 'Details' pane shows the 'QM8_MDG.ADR6' table with fields like COUNTRY, CITY, and REGION. The 'QM8_MDG.T005U' table is selected, showing fields like MANDT, SPRAS, and LAND1. The 'Output' pane shows the resulting columns, including 'LAND1: QM8_MDG.ADR6.COUNTRY'. The 'Properties' pane shows the join type as 'Text Join' and the cardinality as '1.1'.

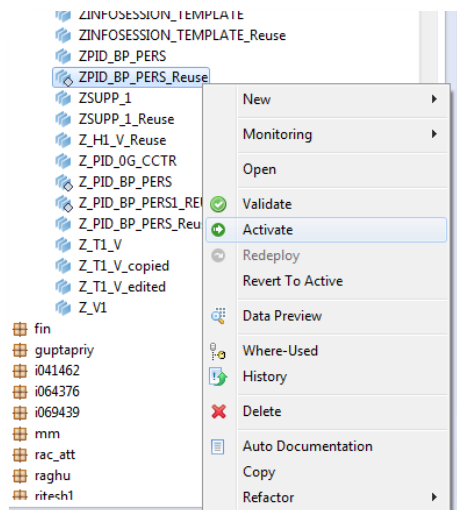
8. Create a text join between the **REGION** field of table **ADRO** and the **BLAND** field of table **TOO5U**.

The screenshot shows the SAP Data Foundation interface for the same scenario. The 'Details' pane shows the 'QM8_MDG.ADR6' table with fields like REGION, CITY, and STREET. The 'QM8_MDG.T005U' table is selected, showing fields like MANDT, SPRAS, and BLAND. The 'Output' pane shows the resulting columns, including 'BLAND: QM8_MDG.ADR6.REGION'. The 'Properties' pane shows the join type as 'Text Join' and the cardinality as '1.1'.

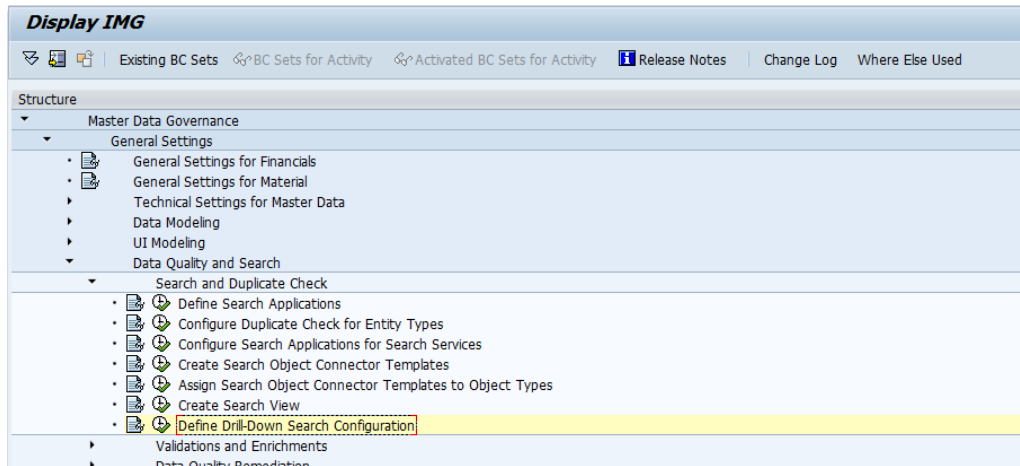
9. Right click **LANDX** and **BEZEI** and select *Add to Output*.



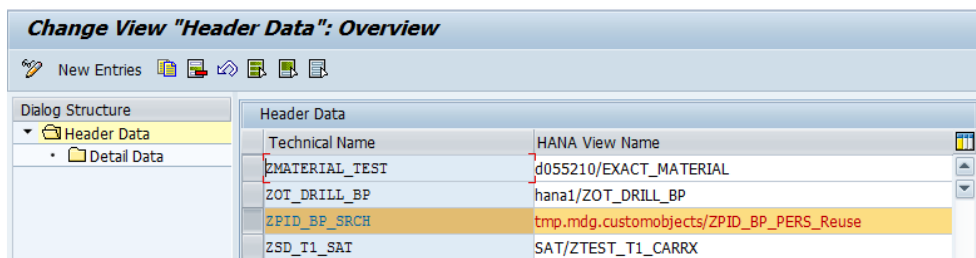
10. Right-click the view and activate the view



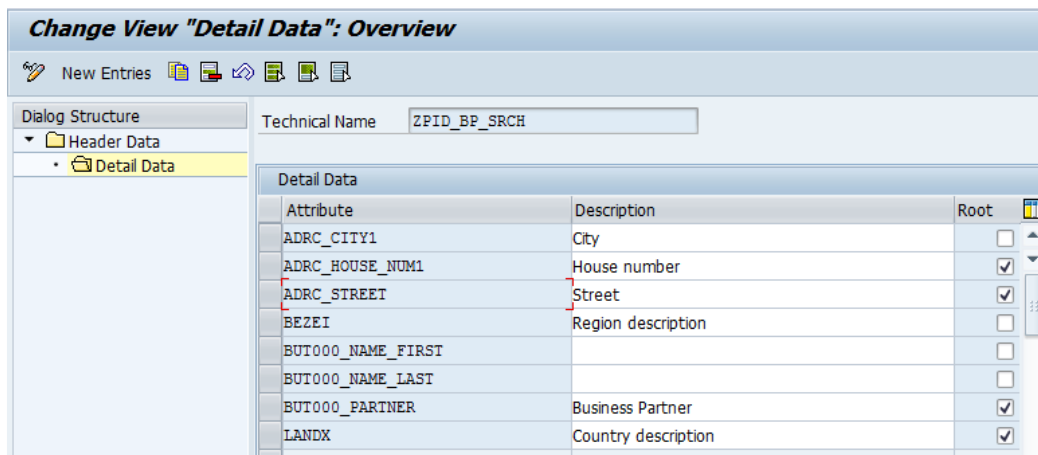
11. Modify the configuration of the HANA view for Drilldown Search. Run transaction MDGIMG. Execute General Settings -> Data Quality and Search -> Search and Duplicate Check -> Define Drill-Down Search Configuration.



12. Choose the HANA view



13. Double-click the *Detail Data* folder and add the new fields for *Country Description* and *Region Description*.



14. Check the *Result* checkbox for displaying the descriptions in the results view.

Change View "Detail Data": Overview

New Entries

Dialog Structure

- Header Data
- Detail Data

Technical Name: ZPID_BP_SRCH

Attribute	Root	Result	Child Attribute
ADRC_CITY1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
ADRC_HOUSE_NUM1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
ADRC_STREET	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
BEZEI	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ADRC_CITY1
BUT000_NAME_FIRST	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
BUT000_NAME_LAST	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
BUT000_PARTNER	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
LANDX	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BEZEI

15. When the Drilldown Search is configured and executed using this HANA view the results appear as shown below. The *Country* and *Region* descriptions appear in the search results instead of technical keys.

Search and Browse ZPID_BP_SRCH

Search Term:

Saved Searches:

SEARCH CRITERIA

Country description (1/31)	Germany (3053) (0/17)
France (2)	~ (508)
Germany (3053)	Baden-Württemberg (1730)
Greenland (2)	Bavaria (41)
Grenada (3)	Berlin (266)
India (782)	Brandenburg (17)
Ireland (7)	Bremen (5)
Italy (6)	Hamburg (44)
Luxembourg (10)	Hessen (73)
Mexico (2)	Lower Saxony (11)
Netherlands (1)	

Results 3053

City	House number	Street	Region description	First name	Last name	Business Partner	Country description
Walldorf	12	Hauptstr				0000000101	Germany
Mannheim	34	Mudauer Ring				0000000102	Germany
privat	5	strasse		Matthias	Schmitt	0000000116	Germany
FRANKFURT AM MAIN	12	Taunusanlage	Hessen			DEUBA	Germany
Wiesloch	139	Hauptstr	Baden-Württemberg			0000000138	Germany
Wiesloch	139	Hauptstr	Baden-Württemberg			0000000138	Germany
Wiesloch	139	Hauptstr	Baden-Württemberg			0000000138	Germany

3. Additional Information

3.1. Further Reading

3.1.1. Information on SAP MDG on SAP S/4HANA

- Exchange knowledge: [SAP Community](#) | [Q&A](#) | [Blog](#)
- Try SAP Master Data Governance on S/4HANA for free: [Trial Version](#)
- Try SAP Master Data Governance on S/4HANA on the SAP Cloud Appliance Library: [S/4HANA 2022 FPS1](#)
- Learn more: [Latest Release](#) | [Help Portal](#) | [How-to Information](#) | [Key Presentations](#)

3.1.2. SAP Roadmap Explorer

- Please see the [roadmap for SAP Master Data Governance](#)

3.1.3. Related Information

- Learn more: [Floorplan Manager for Web Dynpro ABAP](#) | [How to Adapt FPM](#) | [FPM Blog](#) | [How-to Information](#) | [Service Mapping Tool](#) | [SAP S/4HANA Cookbook CVI](#)

3.2. SAP Notes

In addition to the detailed explanations written in this document, please see the following SAP Notes for further important information.

Note	Description
3428179	Master Data Governance: Continuous Influence
1619534	How to Create, Enhance and Adapt FPM Applications
1637249	MDG: Information for efficient message processing
2105467	MDG Performance
2561461	Scope of support for SAP Master Data Governance (MDG)
1637249	MDG: Information for efficient message processing