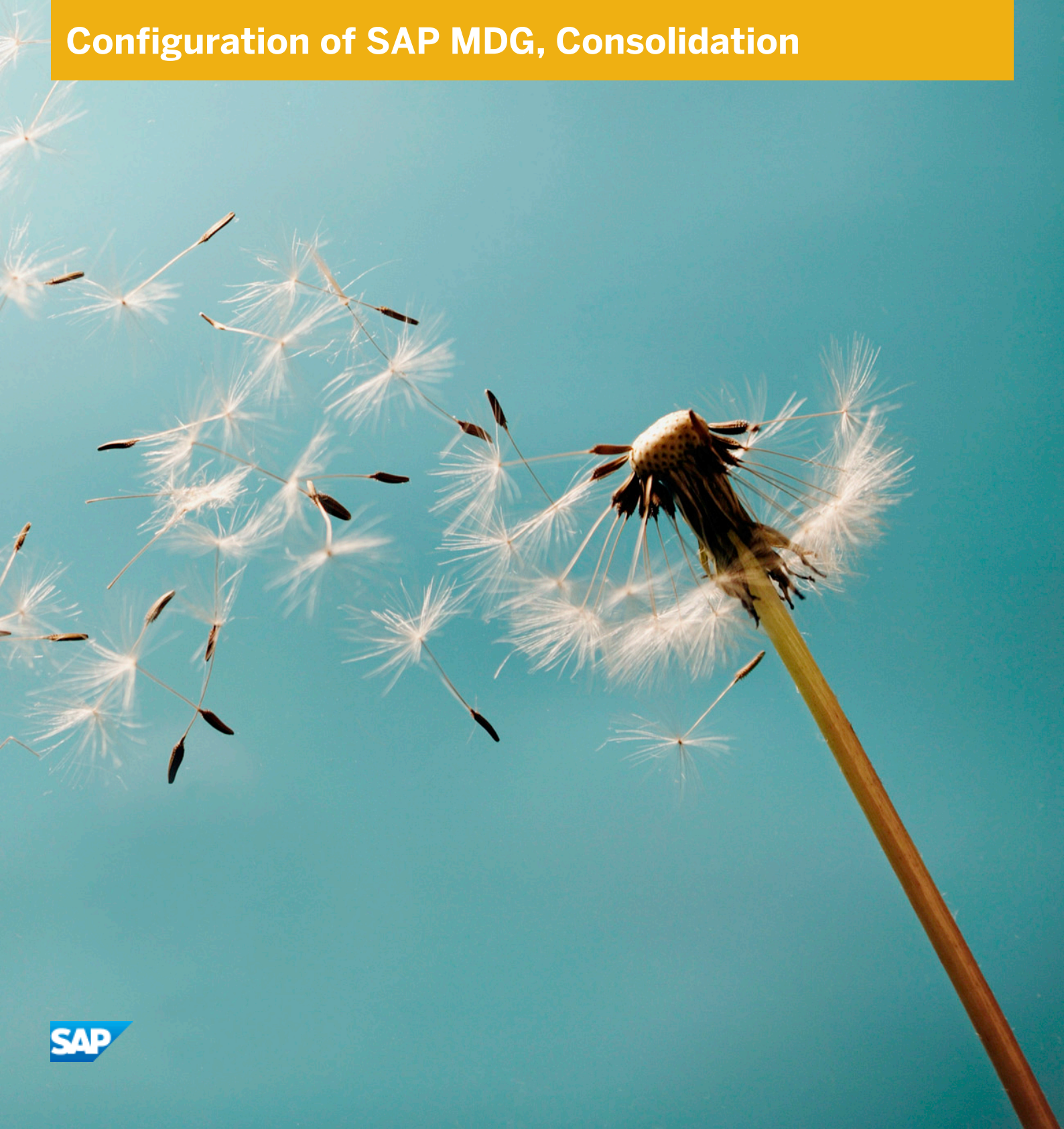


# Configuration of SAP MDG, Consolidation



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# Document History

## Caution

Before you start the implementation, make sure you have the latest version of this document. You can find the latest version at the following location: [xxx /xxx](#) ↗

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

Table 1

Version	Date	Description
0.1	2016-05-02	Preliminary Version

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# 1 Configuration of SAP MDG, Consolidation

*SAP MDG, consolidation* enables you to consolidate your master data using a sequence of process steps. The order of the process steps as well as the behavior of each individual process step type can be adapted to your requirements.

This document provides the information you require to set up *SAP MDG, consolidation*. It contains information about Customizing as well as the information about additional activities that you need to execute.

## Prerequisites

### Services

You have activated the services for web dynpro applications. For a detailed list of the relevant services, see [Services for SAP MDG, Consolidation \(Web Dynpro and Gateway\) \[page 8\]](#).

### Business Function

In the Customizing activity *Activate Business Functions* (transaction *SFW5*), you have activated at least one of the following business functions:

- *Master Data Governance for Customer, Consolidation 8.0 (Reversible)* [external document]
- *Master Data Governance for Supplier, Consolidation 8.0 (Reversible)* [external document]

### **i** Note

If you want to run *SAP MDG, consolidation* in parallel with *SAP MDG, central governance* you have to activate the corresponding business functions. For more information, see [Configuration of Master Data Governance](#) [external document]

### Authorization Objects

You have assigned the relevant authorization objects and roles. For more information about authorization objects and roles, see [Authorization Objects and Roles Used by SAP MDG, Consolidation](#) [external document].

### SAP HANA-Based Fuzzy Matching

To work with views and rule sets in SAP HANA, the *ABAP system database user* has the privileges and the permissions for the tasks listed below:

- Permission
  - Create packages and write objects into packages
  - Create, change and drop attribute views
  - Create, change and drop SQL views
  - Create, execute and drop rule sets
- Privileges
  - *Execute* for the object `EXECUTE_SEARCH_RULE_SET(SYS)` of the schema `SYS`
  - *Execute* for the object `GET_PROCEDURE_OBJECTS` of the schema `SYS`

- *Execute* for the object TRUNCATE\_PROCEDURE\_OBJECTS of the schema SYS

For more information, see [help.sap.com/hana/sap\\_hana\\_security\\_guide\\_en.pdf](https://help.sap.com/hana/sap_hana_security_guide_en.pdf) and [help.sap.com/saphelp\\_hanaplatform/helpdata/en/27/b6f00d4d4744d1b3dcfdea68e0eb0a/content.htm?current\\_toc=/en/0b/079d699832459d9938e3c479524320/plain.htm=true](https://help.sap.com/saphelp_hanaplatform/helpdata/en/27/b6f00d4d4744d1b3dcfdea68e0eb0a/content.htm?current_toc=/en/0b/079d699832459d9938e3c479524320/plain.htm=true).

## Basic Configuration of bgRFC

You have configured the bgRFC settings. For more information see, [help.sap.com/saphelp\\_nw70/helpdata/en/44/fda148f5de41dee10000000a1553f6/content.htm](https://help.sap.com/saphelp_nw70/helpdata/en/44/fda148f5de41dee10000000a1553f6/content.htm).

### **i** Note

If you want to use the automated setup of bgRFC, see SAP Note [1043195](https://support.sap.com/en/notes/1043195). This note includes the configuration of web service runtime.

## General

### In case you want to replicate data:

Either the MDG hub system and the source systems are connected to the *System Landscape Directory* (SLD) or the BAdI MDG\_IDM\_GET\_LCL\_SYSTEM is implemented to determine the local system ID.

- To verify the correctness of the SLD content run transaction SLDCHECK in the MDG hub and client systems. Ignore the browser dialog box. In the systems check that the message reads: Summary: Connection to SLD works correctly.
- If you decide to implement the BAdI and not to use SLD, see the documentation of the IMG activity under [▶ Master Data Governance ▶ General Settings ▶ Data Replication ▶ Define Custom Settings for Data Replication ▶ Define Technical Settings ▶ BAdI: Determination of Local System Name](#).

## Process

You run the settings for this process in Customizing under [▶ Cross-Application Components ▶ Processes and Tools for Enterprise Applications ▶ Master Data Governance, Consolidation](#).

### **i** Note

You can access all *SAP MDG, consolidation* specific Customizing activities using transaction MDCIMG.

1. [Configure Gateway for SAP MDG, Consolidation \[page 9\]](#)
2. [Specify Process Model \[page 12\]](#)
3. [Specify Adapters \[page 13\]](#)
4. [Configure Standardization \[page 15\]](#)
5. [Configure Matching \[page 18\]](#)
6. [Configure Best Record Calculation \[page 22\]](#)
7. [Configure Validation \[page 26\]](#)
8. [Configure Activation \[page 27\]](#)
9. [Specify Process Template \[page 30\]](#)
10. [Initial Data Load \[page 32\]](#)
11. [Services for SAP MDG, Consolidation Web Dynpro Applications \[page 8\]](#)

---

## Result

The system is configured for *SAP MDG, consolidation*.

## More Information

*Master Data Governance Security Guide* [external document]

## 2 Services for SAP MDG, Consolidation (Web Dynpro and Gateway)

For security reasons the services delivered for Web Dynpro applications initially are available in an inactive state only. You have to activate the services you want to use.

### Activities

To activate the services, proceed as described below in the corresponding system:

1. On the *Maintain Services* screen (transaction `SICF`), make sure that the *Hierarchy Type* SERVICE is selected, enter the *Service Name*, and choose *Execute*.
2. Choose ► *Service/Host* ► *Activate* ⌵, to activate the service.

#### **i** Note

You have to perform the procedure for each single service you want to activate.

The table below provides a list of the services used in the respective components of *MDG, consolidation*.

Table 2

Service	Name	System
MDC_HDB_MATCH	Match Configurations Overview	Backend system
MDC_HDB_MATCH_CONF	Create Match Configuration	Backend system
MDG_HDB_SV_GENERATION	Search View Generation	Backend system
MDG_HDB_SV_INITIAL	Search View Initial UI	Backend system
MDG_CONS	Master Data Consolidation Service	FIORI frontend system



# 3 Configure Gateway Service for SAP MDG, Consolidation

The gateway service enables the frontend system and the backend system to communicate with one another.

## Prerequisites

- On the frontend system, the launchpad `UIMDC01 Master Data Consolidation Launchpad` is listed in the transaction `LPD_CUST`. This launchpad is part of the standard delivery of *SAP MDG, consolidation*.
- The following role is available on the frontend system as part of the standard delivery of *SAP MDG, consolidation: Master Data Specialist (Consolidation) - Apps* [external document]  
`SAP_MDC_BCR_MASTERDATA_SPEC_T`.

## Activities

1. In the frontend system, create a trusted RFC connection to the backend system. To do so, run the Customizing activity under **SAP Customizing Implementation Guide > SAP NetWeaver > Gateway > OData Channel > Configuration > Connection Settings > SAP NetWeaver Gateway to SAP System > Manage RFC Destinations** (transaction `SM59`)
  - Select the *Connection Type* `3 Connection to ABAP System`.
  - On the *Technical Settings* tab, enter the *Target System Settings* for the backend system.
  - On the *Logon & Security* tab, mark the *Current User* indicator and mark the *Yes* radio button for *Trust Relationship*.
  - Choose *Remote Logon* and *Connection Test* to check the RFC connection.
2. To create an SAP system alias run the Customizing activity under **SAP Customizing Implementation Guide > SAP NetWeaver > Gateway > OData Channel > Configuration > Connection Settings > SAP NetWeaver Gateway to SAP System > Manage SAP System Aliases**.
  - Enter an *SAP System Alias* and a *Description*.
  - Use the entry help to select the RFC destination you created in step 1.
  - Select `DEFAULT` as *Software Version*.
3. To activate the service run the Customizing activity under **SAP Customizing Implementation Guide > SAP NetWeaver > Gateway > OData Channel > Administration > General Settings > Activate and Maintain Services**.
  1. Choose *Add Service*.
  2. Use the entry help to select the system alias you created in step 2.
  3. In the *Technical Service Name* field, enter `MDC_PROCESS_SRV`.
  4. Choose *Get Services*.
  5. Mark the corresponding entry in the list and choose *Add Selected Services*.

- 
6. Adjust *Technical Service Name* if required and choose *Continue*.
  7. Mark the service and choose *Add System Alias*.
  8. Select *New Entries* and assign the role mentioned above.

## Result

You have configured the gateway service for *SAP MDG, consolidation*.

## More Information

For further information of gateway services, see [scn.sap.com/community/gateway](https://scn.sap.com/community/gateway).

For further information of SAP FIORI, see [help.sap.com/fiori](https://help.sap.com/fiori).

## 4 Set up the Workflow

### Workflow Template

The workflow template delivered for SAP MDG, consolidation is WS54500001.

#### **i** Note

Do not enter this workflow template as *Receiver Type* in the type linkage.

### Activate type linkage

To check the type linkage settings required for the workflow run transaction SWE2 and ensure that the *Object Type* BUS2240 has the following settings:

- *Event* **STARTED**
- *Receiver Type* blank
- *Linkage Activated* yes
- *Enable event queue* no

The *Linkage Activated* indicator must not be active for other receiver types of the object type *BUS2240* and the event **STARTED**. This receiver type is defined by the *Receiver Type Function Module* MDC\_RECEIVER\_TYPE\_GET. Make sure that *Receiver Function Module* SWW\_WI\_CREATE\_VIA\_EVENT\_IBF is entered.

#### **i** Note

The Customizing for the object type BUS2240 is delivered in the client 000 in transaction SWE2.

# 5 Configure Process Model

In the standard delivery, process models for the following business object types are preconfigured:

- Business Partner <sup>147</sup>
  - The data model includes tables for business partner, customer, and supplier.
  - The validation uses ERP checks.
  - Records can be activated with *SAP MDG, central governance* using change requests and cleansing cases or can be activated directly.
  - The replication uses ALE or SOA..
- Business Partner: Non-SAP-BS <sup>MDC\_147</sup>
  - The data model includes tables for business partner, customer, and supplier.
  - SAP does not deliver a validation step, therefore no ERP checks are used.

Further configuration is required if you extend fields or nodes of the data model, or if you use your own business object type.

## **i** Note

For information about how to extend fields and nodes see SAP Note [1973686](#).

## Activities

## **i** Note

To perform the configuration steps described below, cross client customizing authorization is required.

To configure the process model for *SAP MDG, consolidation*, run the Customizing activity under ► *Master Data Governance, Consolidation* ► *Configure Process Model* ↗.

1. To see the tables that are assigned to the business object for the consolidation process, select the business object type and choose *Tables*.
2. To add further tables, select *New Entries*.  
Only tables listed under a specific business object type are taken into account in the consolidation process. One table is marked as the *Root* table.
3. In the *Tables* view, select a specific table and choose *Joins* to see the joined tables.
4. To add further tables, select *New Entries*.  
The *Process* indicator and the *Active* indicator show whether a table is used in the process data model or in the active data model.
5. In the *Joins* view, select a table and choose *Join Fields* to see the join conditions.  
If required select *New Entries* to add further fields to join the tables. The *Process* indicator and the *Active* indicator show whether a field is used in the process data model or in the active data model.

## 6 Specify Adapters

The standard delivery contains the adapters listed below for the different step types of the consolidation process. You can add adapters, you created to meet your business requirements. Each adapter can be configured individually in the corresponding Customizing activity.

### Standardization

- `CL_MDC_ADAPTER_BP_BAS_STD`  
Uses the third party interface of Business Address Services (BAS) to execute address validation against (external) address repositories.
- `CL_MDC_ADAPTER_BP_IM_STD`  
Adapter for standardization that uses the SAP HANA information management and does the standardization directly on the SAP HANA database. The standardization of names and addresses is supported. The adapter does not support databases other than SAP HANA.

### Matching

- `CL_MDC_ADAPTER_BP_BAS_MTC`  
Matching adapter that uses the third party interface of Business Address Services (BAS). Records are checked one by one with index, therefore the adapter is not appropriate for mass data (more than 500.000).
- `CL_MDC_ADAPTER_BP_IM_MTC`  
Matching adapter that uses the SAP HANA information management and does the matching directly on the SAP HANA database. The adapter does not support databases other than SAP HANA.
- `CL_MDC_ADAPTER_FUZZY_MTC`  
Matching adapter that uses the SAP HANA fuzzy algorithm. SAP HANA rulesets are generated for this adapter which can be configured and implemented. The adapter does not support databases other than SAP HANA.

### Best record calculation

- `CL_MDC_ADAPTER_BP_BRC`  
Support the best record calculation. The adapter works on an application server and supports out of the box the rules `SOURCE_SYSTEM`, `RECENCY`, and `COMPLETENESS`. For more information about the rules, see the Customizing activity [Specify Rules for Best Record Calculation](#).

### Validation

- `CL_MDC_ADAPTER_BP_VAL`  
Validation of business partner data using the business suite standard APIs. As a precondition to use this adapter for supplier and customer master data the Customer Vendor Integration (CVI) has to be configured.

### Activation

- `CL_MDC_ADAPTER_BP_ACT`  
Activation of business partner data using the business suite standard APIs. As a precondition to use this adapter for supplier and customer master data the Customer Vendor Integration (CVI) has to be configured.

## Replication

- `CL_MDC_ADAPTER_BP_REP`

Executes the replication of business partners if you use *SAP MDG, consolidation* as a standalone application.

### **i** Note

In case MDG, consolidation is processed in parallel with *SAP MDG, central governance* we recommend to use the adapter `CL_MDC_ADAPTER_BP_ACT` for replication.

## Activities

### **i** Note

To perform the configuration steps described below, cross client customizing authorization is required.

To specify the adapters required for a specific step type of the consolidation process of a business object run the Customizing activity under ► *Master Data Governance, Consolidation* ► *Specify Adapters* ►.

If you want to add own adapters or assign adapters to further business object types, proceed as described:

1. Choose *New Entries*.
2. In the *BO Type* field, select the business object type using the input help.
3. In the *Step Type* field, select a step type using the input help.
4. In the *Adapter* field, enter the adapter. The adapter has to be part of the customer namespace.  
The adapter has to be assigned to a class that has implemented the interface `IFMDC_ADAPTER`.
5. Repeat the steps 2 to 4 to enter all required adapters.

## Constraints

To ensure that within the application the *Adapter Configuration* is displayed correctly in the *Manage Consolidation Processes* process detail screen, the amount of configurations per adapter should not exceed 100.

# 7 Configure Standardization

Within the process step *standardization*, address data is enriched and normalized by the system. In addition a check ensures that a specific address really exist:

## Example

- **Enrichment:** A record only contains the postal code *69190*. The corresponding city *Walldorf* is added.
- **Normalization:** Baker Str, is converted to Baker Street

## Activities

To configure the standardization for MDG, consolidation, run the Customizing activity under ► *Master Data Governance, Consolidation* ► *Configure Standardization* ⌵:

1. To configure the number of parallel processes run the Customizing activity *Configure Parallelization for Standardization*.

Adapting the number of parallel processes can improve the performance of the consolidation process.

## Note

To use parallelization in *SAP MDG, consolidation* you have to set up an RFC destination:

- To create the bgRFC inbound destination manually, the authorization object SBGRFC with activity 02 and type 07 has to be assigned to you.
  1. Run transaction SBGRFCCONF.
  2. On the *Define Inbound Dest.* tab choose *Create*.
  3. Enter a name in the *Destination* field.
  4. Enter MDC\_QUEUE\_ in the *Prefixes* field.

If you use a queue prefix other than MDC\_QUEUE\_ this has to be entered in the corresponding field as described below.

- If you do not create the bgRFC inbound destination manually, you have to assign the authorization object SBGRFC with activity 02 and type 07 to a user. The very first consolidation process this user runs will trigger the automatic creation of the inbound destination.

For more information see [help.sap.com/saphelp\\_nw70ehp2/helpdata/de/f0/225c3c60065627e10000000a114084/content.htm](https://help.sap.com/saphelp_nw70ehp2/helpdata/de/f0/225c3c60065627e10000000a114084/content.htm) 

1. Choose *New Entries*.
2. Enter a *Configuration ID* and the corresponding description
3. In the *Number of Processes* field enter the number of processes you want to be processed in parallel.
4. If required enter the *Prefix for Queue Name*.

### **i** Note

If you use queue prefixes other than MDC\_QUEUE\_ these have to be entered in the *Prefix for Queue Name* field.

2. To configure the Business Objects Data Services for BAS Adapter, see the documentation of the Customizing activity *Configure Business Objects Data Services for BAS Adapter*.

Check the Customizing settings under *SAP BusinessObjects Data Quality Management* and adapt if required.

3. To import the predefined settings for SAP HANA information management run the Customizing activity *Import Predefined Settings for SAP HANA Information Management*.

In this Customizing activity, you can activate the BC Set CA-MDG-EE-BP\_IMHANA\_C01 *MDG-BP Consolidation: IM in Hana* containing predefined sets of table entries, that are required to run the process steps standardization and matching with the adapters for the SAP HANA information management.

The BC Set contains settings for the tables listed below. You can use transaction SM30 to configure some of these tables to fulfill your requirements. Be aware, that some settings are not to be changed. For details, see the description for each table.

#### **Standardization and Matching**

- SIMDQ\_INP\_FILTER *IM in HANA Filter for input*

Settings to specify filters for standardization and matching. Records can be filtered out and do not take part in the corresponding process step.

### **i** Note

To ensure the correct processing of the consolidation process, the settings delivered by SAP are not to be changed.

#### **Standardization**

- SIMDQ\_ADDR\_STG *IM in HANA address related settings*

Settings to specify the address standardization, for example address formats such as Woodstr. versus Wood Street.

- SIMDQ\_OTHR\_STG *IM in HANA non-address settings*

### **i** Note

The settings delivered by SAP are required for technical reasons. Changing these settings does not have any impact.

#### **Matching**

- SIMDQ\_CMPRSRC *IM in HANA compare source settings for Match Policy*

Settings to specify the data sources to be considered for matching. The delivered settings compare process data with process and active data and do not compare active data with each other.

### **i** Note

To ensure the correct processing of the consolidation process, the settings delivered by SAP are not to be changed.

- SIMDQ\_MTCADDRSTG *IM in HANA address settings for the Match Policy*

Settings to specify the matching for addresses, such as the threshold.



- 
- *SIMDQ\_MTCFIRMSTG IM in HANA firm settings for the Match Policy*  
Settings to specify the matching for firms, such as the threshold.
  - *SIMDQ\_MTCPERSTG IM in HANA person settings for the Match Policy*  
Settings to specify the matching for persons, such as the threshold.
  - *SIMDQ\_MTCCSTMSTG IM in HANA custom component settings for Custom Match Policy*  
Settings to specify the matching for ID numbers.
1. To adapt the predefined settings, run transaction SM30.
  2. Enter the table in the *Table/View* field and choose *Edit*.

## 8 Configure Matching

Within the process step *matching*, the data records to be consolidated are checked for possible duplicates. According to a configured threshold records are considered to be duplicates and are displayed as match groups in the attached *match review*.

### Activities

To configure the matching for MDG, consolidation, run the Customizing activities under ► *Master Data Governance, Consolidation* ► *Configure Matching* ►:

1. To create the match configurations for the fuzzy matching run the Customizing activity *Create Match Configurations for Fuzzy Matching*.

In this Customizing activity, you define and generate a match configuration that SAP HANA uses to match master data records when using fuzzy matching. This activity is only possible within a client allowing cross-client changes. Configurations created here are used during configuration of process templates when assigning step type matching and adapter fuzzy matching.

#### **i** Note

SAP provides the standard match configuration `BPMATCH1` that can act as template to help you to define and generate your own match configurations.

This Customizing activity calls the Web Dynpro application *Match Configuration* `MDC_HDB_MATCH`. You can use this screen to create, change, copy, and delete a match configuration.

#### ○ **Create match configuration**

1. To create a match configuration, choose *New*.
2. On the *General Data* screen, enter a name in the *Match Configuration* field.
3. Enter a description in the *Description* field.
4. Enter the business object type in the *Business Object Type* field.
5. Enter a name for the SAP HANA package in the *HANA Package* field.

The SAP HANA Package is generated with this name in the SAP HANA database when the match configuration is created. After the generation of the package its name cannot be changed anymore.

6. Enter an ABAP package in the *ABAP Package* field.

#### **i** Note

Do not use a package from standard delivery but create a package using transaction `SE80`.

- On the *Select Attributes* screen, the attributes in the tables from the process model are presented in tree form. You can select the attributes that are relevant for matching in your match configuration.
- On the *Review* and *Generate* screen, you can review your choices from the previous screens, and if necessary, you can go back to the previous screens to make changes.

- The **Generate** button generates the match configuration. Before generation you must save the configuration.

### **i** Note

After generating the configuration you may maintain the rule set in the SAP HANA studio to meet your requirements.

- The rule set can be found in the package used for creating the match configuration. The rule set naming convention is: <MatchConfigurationName>RULESET.searchruleset.
- By default one rule is generated with all the selected match attributes with minimum fuzziness of 0.8. All attributes are equally weighted.
- To update the Rule Set, edit the rule set in the repositories view. Editing in the repositories view is possible since SAP HANA Studio SPS09. Authorizations should be the same as for the project explorer view.
  1. Create a repository work space.
  2. Open the rule set in the package folder
  3. Edit the rule set to change rule property or column property and conditions, such as the minimum fuzziness value or weight of an attribute.
  4. **Save** and **Activate** your changes.
- For more information see the documentation on the SAP Help Portal:
  - Overview - SAP HANA Studio ([scn.sap.com/docs/DOC-60363](https://scn.sap.com/docs/DOC-60363))
  - SAP HANA Search Developer Guide ([help.sap.com/hana/SAP\\_HANA\\_Search\\_Developer\\_Guide\\_en.pdf](https://help.sap.com/hana/SAP_HANA_Search_Developer_Guide_en.pdf))
  - SAP HANA Fuzzy Search Reference ([help.sap.com/hana/SAP\\_HANA\\_Fuzzy\\_Search\\_Reference.pdf](https://help.sap.com/hana/SAP_HANA_Fuzzy_Search_Reference.pdf))

- **Edit match configuration**

To edit a match configuration, select the entry and choose **Edit**.

### **i** Note

If you change the **Select Attributes** section by adding or removing attributes you have to set the **Regenerate Rule Set** indicator. Any manual adjustment done on the ruleset has to be done on the regenerated rule set if intended.

- **Copy match configuration**

To copy a match configuration, select the entry and choose **Copy**.

In the **Copy Match Configuration** dialog box, enter the name of the target **Match Configuration**.

### **i** Note

After copying the configuration you may maintain the rule set in the SAP HANA studio to meet your requirements. To do so, proceed as described under **Create match configuration**.

- **Delete match configuration**

To delete a match configuration, select the entry and choose **Delete** and **OK**.

### **i** Note

The match configuration is marked for deletion. To finally delete the match configuration run transaction MDC\_HDB\_MTC\_DEL.

2. To configure the number of parallel processes run the Customizing activity *Configure Parallelization for Fuzzy Matching*. Adapting the number of parallel processes can improve the performance of the consolidation process.

### **i** Note

To use parallelization in *SAP MDG, consolidation* you have to set up an RFC destination:

- To create the bgRFC inbound destination manually, the authorization object SBGRFC with activity 02 and type 07 has to be assigned to you.

1. Run transaction SBGRFCCONF.
2. On the *Define Inbound Dest.* tab choose *Create*.
3. Enter a name in the *Destination* field.
4. Enter MDC\_QUEUE\_ in the *Prefixes* field.

If you use a queue prefix other than MDC\_QUEUE\_ this has to be entered in the corresponding field as described below.

- If you do not create the bgRFC inbound destination manually, you have to assign the authorization object SBGRFC with activity 02 and type 07 to a user. The very first consolidation process this user runs will trigger the automatic creation of the inbound destination.

For more information see [help.sap.com/saphelp\\_nw70ehp2/helpdata/de/f0/225c3c60065627e10000000a114084/content.htm](https://help.sap.com/saphelp_nw70ehp2/helpdata/de/f0/225c3c60065627e10000000a114084/content.htm)

1. Select *New Entries*.
2. Choose a *Match Configuration ID*.
3. In the *Number of Processes* field, enter the number of processes you want to be processed in parallel.
4. If required enter the *Prefix for Queue Name*.

### **i** Note

If you use queue prefixes other than MDC\_QUEUE\_ these have to be entered in the *Prefix for Queue Name* field.

3. To configure the Business Objects Data Services for BAS Adapter see the documentation of the Customizing activity *Configure Business Objects Data Services for BAS Adapter*.

Check the Customizing settings under *SAP BusinessObjects Data Quality Management* and adapt if required.

4. To import the predefined settings for SAP HANA information management run the Customizing activity *Import Predefined Settings for SAP HANA Information Management*.

In this Customizing activity, you can activate the BC Set CA-MDG-EE-BP\_IMHANA\_C01 *MDG-BP Consolidation: IM in HANA* containing predefined sets of table entries, that are required to run the process steps standardization and matching with the adapters for the SAP HANA information management.

The BC Set contains settings for the tables listed below. You can use transaction SM30 to configure some of these tables to fulfill your requirements. Be aware, that some settings are not to be changed. For details, see the description for each table.

## Standardization and Matching

- SIMDQ\_INP\_FILTER *IM in HANA Filter for input*

Settings to specify filters for standardization and matching. Records can be filtered out and do not take part in the corresponding process step.

### **i** Note

To ensure the correct processing of the consolidation process, the settings delivered by SAP are not to be changed.

## Standardization

- SIMDQ\_ADDR\_STG *IM in HANA address related settings*

Settings to specify the address standardization, for example address formats such as Woodstr. versus Wood Street.

- SIMDQ\_OTHR\_STG *IM in HANA non-address settings*

### **i** Note

The settings delivered by SAP are required for technical reasons. Changing these settings does not have any impact.

## Matching

- SIMDQ\_CMPSRC *IM in HANA compare source settings for Match Policy*

Settings to specify the data sources to be considered for matching. The delivered settings compare process data with process and active data and do not compare active data with each other.

### **i** Note

To ensure the correct processing of the consolidation process, the settings delivered by SAP are not to be changed.

- SIMDQ\_MTCADDRSTG *IM in HANA address settings for the Match Policy*

Settings to specify the matching for addresses, such as the threshold.

- SIMDQ\_MTCFIRMSTG *IM in HANA firm settings for the Match Policy*

Settings to specify the matching for firms, such as the threshold.

- SIMDQ\_MTCPERSTG *IM in HANA person settings for the Match Policy*

Settings to specify the matching for persons, such as the threshold.

- SIMDQ\_MTCCSTMSTG *IM in HANA custom component settings for Custom Match Policy*

Settings to specify the matching for ID numbers.

1. To adapt the predefined settings, run transaction SM30.
2. Enter the table in the *Table/View* field and choose *Edit*.

# 9 Configure Best Record Calculation

Within the process step *Best Record Calculation*, for each match group a best record is calculated. This calculation follows a well defined process based on certain rules.

## Activities

To configure the *Best Record Calculation* for MDG, consolidation, run the Customizing activities under ► *Master Data Governance, Consolidation* ► *Configure Best Record Calculation* ▾.

1. For an overview on the rules for the Best Record Calculation run the Customizing activity *Specify Rules for Best Record Calculation*.

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

- **COMPLETENESS:** Determines that on field level completely maintained record win.
- **RECENCY:** Determines that on table level the most recent record wins.
- **SOURCE\_SYSTEM:** Determines that on table level the record from a specified source system wins.


2. To specify the order of rules and the parallelization for the best record calculation run the Customizing activity *Specify Order of Rules for Best Record Calculation*. Adapting the number of parallel processes can improve the performance of the consolidation process.

### **i** Note

To use parallelization in *SAP MDG, consolidation* you have to set up an RFC destination:

- To create the bgRFC inbound destination manually, the authorization object SBGRFC with activity 02 and type 07 has to be assigned to you.
  1. Run transaction SBGRFCCONF.
  2. On the *Define Inbound Dest.* tab choose *Create*.
  3. Enter a name in the *Destination* field.
  4. Enter MDC\_QUEUE\_ in the *Prefixes* field.

If you use a queue prefix other than MDC\_QUEUE\_ this has to be entered in the corresponding field as described below.
- If you do not create the bgRFC inbound destination manually, you have to assign the authorization object SBGRFC with activity 02 and type 07 to a user. The very first consolidation process this user runs will trigger the automatic creation of the inbound destination.

For more information see [help.sap.com/saphelp\\_nw70ehp2/helpdata/de/f0/225c3c60065627e1000000a114084/content.htm](https://help.sap.com/saphelp_nw70ehp2/helpdata/de/f0/225c3c60065627e1000000a114084/content.htm) 

The process step matching has bundled records considered to be duplicates, the so called match groups. In a first step, the records of a match group are compared on table level. For a specific table the source system or the recency can be considered to have higher priority. Depending on this setting the corresponding data is taken into account for the best record. The information, what source system has a certain priority for a specific table is maintained in the Order of Source Systems view.

In a second step the preliminary best record is processed on field level. If a field does not contain data but completeness is assigned to this field as highest priority, then the data is completed with data derived from the record with the next highest order.

1. Choose *New Entries*
2. In the *BO Type* field, enter a business object type using the entry help.
3. In the *Config. ID* field, enter a configuration ID.
4. In the *Adapter Config. Description* field, enter the corresponding description.
5. In the *Number of Processes* field enter the number of processes you want to be processed in parallel.
6. If required enter the *Prefix for Queue Name*.

### **i** Note

If you use queue prefixes other than `MDC_QUEUE_` these have to be entered in the *Prefix for Queue Name* field.

7. Mark your entry and configure the order of rules:

- *Order of Source Systems*

If you use the rule `SOURCE_SYSTEM` you have to specify the order of source systems for specific tables. For tables not explicitly mentioned all source systems have the same order.

### **i** Note

You can reduce maintenance effort, in case you want to apply the same order of source systems to all tables: To do so, create an entry with Space in the Table field and assign it to a source system. This order of source systems now is valid for all tables, except tables that are explicitly assigned to another order of source systems.

- *Order of Rules for Tables*

On table level you can configure the order in which the rules `SOURCE_SYSTEM` and `RECENCY` are applied to a specific table.

### **i** Note

You can reduce maintenance effort, in case you want to apply the same order of rules to all tables: To do so, create an entry with Space in the Table field and assign it to a rule. This order of rules now is valid for all tables, except tables that are explicitly assigned to another order rules.

- *Order of Rules for Fields*

On field level you can specify if the rule `COMPLETENESS` is applied to a specific field. To do so select the corresponding table and field name.

## Example

Your source systems show the following entries in table `BUT0BK` (BP: Bank Details) for the fields `BANKL` (Bank Key), `BANKN` (Bank Account Number) and, `KOINH` (Account Holder Name).

Table 3

System	BANKL	BANKN	KOINH
A11	10010010	32168000	Rosy
B22	10010010	32168000	Rosi
C33	10010010	32168000	

The Customizing activity is configured in the following way:

- **Order of Source Systems:**

Table 4

Table	Seq. No.	Business System
	1	C33
	2	B22
	3	A11

As the table field does not contain any entry the order of source system is taken into account for all tables.

- **Order of Rules for Tables:**

Table 5

Table	Seq.No.	Rule ID
BUT0BK	1	SOURCE_SYSTEM

The rule *SOURCE\_SYSTEM* is taken into account for the table *BUT0BK*.

- **Order of Rules for Fields:**

Table 6

Table	Field Name	Seq.No.	Rule ID
BUT0BK	KOINH	1	COMPLETENESS

The rule *COMPLETENESS* is taken into account for the field *KOINH* in table *BUT0BK*.

The rules are applied as follows:

1. On table level the rule *SOURCE\_SYSTEM* selects system C33 as system with the highest priority. Therefore in the first step the following set of data is selected for the preliminary best record:

Table 7

BANKL	BANKN	KOINH
10010010	32168000	

2. On field level the rule *COMPLETENESS* is applied. The field *KOINH* remained empty in the first step. Now the set of data is completed with data from system B22 as this is the highest rated system that contains data in the *KOINH* field.

Table 8

BANKL	BANKN	KOINH
10010010	32168000	Rosi



---

**i** Note

Only if *Order of Rules for Table* contains an entry referring to the rule `SOURCE_SYSTEM`, either specific for table `BUTOBK` or generic for all tables, the `KOINH` field is completed in the described way. If the *Order for Rules for Table* settings do not contain a corresponding entry, the source system is not taken into account and it is not to be predicted what data is used to complete the `KOINH` field.

# 10 Configure Validation

Within the process step *validation* the system checks whether the quality of a record is sufficient to meet the requirements defined in the backend system. If the quality requirements are met the data can be saved directly, in other cases corrections and data enrichment might be required.

The process step validation runs without further configuration. Nevertheless you can configure the number of parallel processes to improve the performance of the consolidation process.

## Example

Data only can be saved if *Street* and *House Number* are maintained.

## Activities

To configure the number of parallel processes for the validation run the Customizing activity under ► *Master Data Governance, Consolidation* ► *Configure Parallelization for Validation* .

### Note

To use parallelization in *SAP MDG, consolidation* you have to set up an RFC destination:

- To create the bgRFC inbound destination manually, the authorization object SBGRFC with activity 02 and type 07 has to be assigned to you.
  1. Run transaction SBGRFCCONF.
  2. On the *Define Inbound Dest.* tab choose *Create*.
  3. Enter a name in the *Destination* field.
  4. Enter MDC\_QUEUE\_ in the *Prefixes* field.

If you use a queue prefix other than MDC\_QUEUE\_ this has to be entered in the corresponding field as described below.
- If you do not create the bgRFC inbound destination manually, you have to assign the authorization object SBGRFC with activity 02 and type 07 to a user. The very first consolidation process this user runs will trigger the automatic creation of the inbound destination.

For more information see [help.sap.com/saphelp\\_nw70ehp2/helpdata/de/f0/225c3c60065627e1000000a114084/content.htm](https://help.sap.com/saphelp_nw70ehp2/helpdata/de/f0/225c3c60065627e1000000a114084/content.htm)

1. Select *New Entries*.
2. Enter a *Configuration ID* and the corresponding Description.
3. In the *Number of Processes* field, enter the number of processes you want to be processed in parallel.
4. If required enter the *Prefix for Queue Name*.

### Note

If you use queue prefixes other than MDC\_QUEUE\_ these have to be entered in the *Prefix for Queue Name* field.

# 11 Configure Activation

Within the process step *activation* records are activated and thereby added to the systems active area. You can configure how the system proceeds with different types of active data and you can set up a parallelization for the activation process.

## Features

The activation can be adapted for all three possible types of records:

- New record: Record does neither yet exist in the active area nor does it have any duplicates.
- Updated record: Record already existed in the active area.
- Match group: Record does not exist in the active area, but has duplicates in the process data.

Records that did not pass all validity requirements are considered as records with errors. You can specify an individual system reaction for each type of record, depending whether a record contains errors or not. If you use *SAP MDG, central governance* in parallel with *SAP MDG, consolidation* you can use change requests to have your records approved.

## Activities

To configure the activation run the Customizing activity under ► *Master Data Governance, Consolidation* ► *Configure Activation* ▾.

1. Select *New Entries*
2. Enter a *Configuration ID* and a *Description*.
3. Configure the parallelization for the activation adapter.

The activation is running without configuring the parallelization for the activation adapter. Nevertheless you can configure the number of parallel processes to improve the performance of the consolidation process.

### **i** Note

To use parallelization in *SAP MDG, consolidation* you have to set up an RFC destination:

- To create the bgRFC inbound destination manually, the authorization object SBGRFC with activity 02 and type 07 has to be assigned to you.
  1. Run transaction SBGRFCCONF.
  2. On the *Define Inbound Dest.* tab choose *Create*.
  3. Enter a name in the *Destination* field.
  4. Enter MDC\_QUEUE\_ in the *Prefixes* field.

If you use a queue prefix other than MDC\_QUEUE\_ this has to be entered in the corresponding field as described below.

- If you do not create the bgRFC inbound destination manually, you have to assign the authorization object SBGRFC with activity 02 and type 07 to a user. The very first consolidation process this user runs will trigger the automatic creation of the inbound destination.

For more information see [help.sap.com/saphelp\\_nw70ehp2/helpdata/de/f0/225c3c60065627e10000000a114084/content.htm](https://help.sap.com/saphelp_nw70ehp2/helpdata/de/f0/225c3c60065627e10000000a114084/content.htm)

1. In the field *Number of Parallel Processes*, enter the number of processes you want to be processed in parallel.
2. If required enter the *Prefix for Queue Name*.

### **i** Note

If you use queue prefixes other than MDC\_QUEUE\_ these have to be entered in the *Prefix for Queue Name* field.

4. Specify the types of activation dependent on different record types and whether these records are considered as correct or incorrect by the process step validation:

### **i** Note

Records that did not pass all validity requirements are considered as records with errors. You can specify an individual system reaction for each type of record, depending whether a record contains errors or not. If you use *SAP MDG, central governance* in parallel with *SAP MDG, consolidation* you can use change requests to have your records approved.

### **i** Note

If you want to activate using change requests make sure the selected change request type does not run checks that prevent the creation of the record:

Run the Customizing activity *Configure Properties of Change Request Step* and for *Change Request Step* 00 check the setting under *Enhancements and Checks per Change Request Step* and *Entity Types per Change Request Step*.

1. Configure the system behavior for *New Records*. In the field *Activation Target for New Records*, select an entry using the input help and assign a corresponding change request type. In the field *Target for New Incorrect Records*, select an entry using the input help assign a corresponding change request type.
2. Configure the system behavior for *Updated Records*. In the field *Activation Target for Updated Records*, select an entry using the input help and assign a corresponding change request type. In the field *Target for Updated Incorrect Records*, select an entry using the input help and assign a corresponding change request type.
3. Configure the system behavior for *Match Groups*. In the field *Activation Target for Match Groups*, select an entry using the input help and assign a corresponding change request type. In the field *Activation Target for Mtch Grps (Errors)*, select an entry using the input help and assign a corresponding change request type.
5. If you want the records to be replicated to connected systems set the *Replication as part of Activation Step* indicator. If you use the activation using change requests, we recommend to set the *Replication as part of Activation Step* indicator.

**i** Note

The *Replication as part of Activation Step* indicator is only valid for the process goal *Central Maintenance*. For the process goal *Consolidation* no replication is executed.

- If you activate all types of records using change requests or cleansing cases flag does not have any impact.
- If you activate all types of records with the Direct Activation you can choose the setting to meet your requirements.
- If you activate using change requests and Direct Activation, we recommend to set the flag.

## Constraints

If you use *SAP MDG, consolidation* without activating *SAP MDG, central governance* the possibilities for this configuration step are reduced, as less activation targets are offered and no selection fields for Change Request Type are displayed.

Table 9

Record	With MDG, central governance	Without MDG, central governance
Activation Target for New Records	No Activation Direct Activation Activation with Change Request	No Activation Direct Activation
Target for New Incorrect Records	No Activation Direct Activation	No Activation
Activation Target for Updated Records	No Activation Direct Activation of Best Record Activation of Best Record with Change Request Activation with Cleansing Case	No Activation Direct Activation of Best Record
Target for Updated Incorrect Records	No Activation Activation of Best Record with Change Request Activation with Cleansing Case	No Activation
Activation Target for Match Groups	No Activation Direct Activation of Best Record Activation of Best Record with Change Request Activation with Cleansing Case	No Activation Direct Activation of Best Record
Activation Target for Mtch Grps (Errors)	No Activation Activation of Best Record with Change Request Activation with Cleansing Case	No Activation

## 12 Specify Process Template

The process template you use to create a consolidation process specifies whether and in what configuration certain consolidation steps are processed and in which order the steps apply. The setup of process templates is tied to certain rules concerning the order and recurrence of the individual process steps.

Table 10

Process step	Recurrence	Order	Comment
<a href="#">Standardization [page 15]</a>	No limitation		
<a href="#">Matching [page 18]</a>	Once		
<a href="#">Best Record Calculation [page 22]</a>	Once	After Matching	
<a href="#">Validation [page 26]</a>	No limitation		
<a href="#">Activation [page 27]</a>	Once	Last or last but one	Mandatory for Replication
Replication	Once	Last	

### Activities

To specify the Process Template run the Customizing activity under ► [Master Data Governance, Consolidation](#) ► [Specify Process Template](#) ►.

- Create Process Template
  1. Choose *New Entries*.
  2. Enter a *Process Template ID*, a corresponding Description, select the *Business Object Type* (147 *Business Partner* or MDC\_147 *Business Partner for Consolidation*), and the *Workflow Template* WS54500001.
  3. In the *Process Goal* field, use the input help to select either `Consolidation` or `Central Maintenance`.

#### **i** Note

- If you select the *Process Goal* `Consolidation` records can be loaded repeatedly to be consolidated. The records are not replicated to the source systems.
- If you select the *Process Goal* `Central Maintenance`, records are loaded only once in the hub system. After being consolidated the records are replicated to the source systems. You can use [SAP MDG, central governance](#) to perform the central maintenance.

4. The *Delete Source* indicator enables you to configure a default value for the UI. If you want as default value on the UI that source data is deleted after finalizing the process as set the flag `Delete`.
  5. Save your entries.
- Configure Process Template
    1. Mark a process template and choose *Process Template Step*

- 
2. Select *New Entries*.
  3. Enter a *Step Number*.
  4. Select a *Step Type* using the input help.
  5. Select a corresponding *Adapter* using the input help.
  6. Select a corresponding *Configuration ID*.
  7. If you want the process to stop to review the data after finalizing this process step set the *Check Point active* indicator.

# 13 Initial Data Load

The data to be consolidated can be loaded from SAP and non-SAP-systems using ETL tools (*extract, transform, load*).

Solutions offered by SAP are the following:

- SLT *System Landscape Transformation*

### **i** Note

Recommended for existing SAP business suite models, as identical data models are used.

- *SAP HANA Studio* Data provisioning including data transformation
- CSV File (comma-separated values), for data down- and upload

### **i** Note

SAP recommends to import the data in the SAP HANA Studio into an interim table. In a second step the content of the interim tables can be loaded to the source tables using SQL or a custom ABAP report.

## Prerequisites

The data has to be transformed into the SAP data structure before the data load can be performed.

## Features

Load the data into the source tables for the BP data model listed below:

Table 11

Table	Data
BUT000_SRC	Central BP data <b>i</b> Note The table is required in all cases.
BUT020_SRC BUT_ADRC_SRC	Address data <b>i</b> Note The tables are required if address-related data is uploaded.
KNA1_SRC	ERP customer data



Table	Data
	<p><b>i</b> Note</p> <p>The table is required in case you use the customer data model</p>
LFA1_SRC	<p>ERP vendor data</p> <p><b>i</b> Note</p> <p>The table is required in case you use the vendor data model</p>

**i** Note

For a complete list of the tables run the Customizing activity under ► [Master Data Governance, Consolidation](#) ► [Configure Process Models](#) ►, select the *Business Object Type* 147 and double click on *Tables* in the dialog structure.

**i** Note

For the upload of data related to organizations, you can also use the vendor or the customer data model. In this case you have to run the report `MDC_BP_TRANSFORM_SOURCE_DATA` to transform the data to the BP data model after the source tables are filled. The report only supports the transformation of data related to organizations. It does not supports the transformation of person-related data.

## 13.1 Example: Loading Vendor and Customer Data

The two examples below demonstrate the use of the various tables for the data load in different scenarios. The first example describes the upload of vendor data with the vendor being an organization. The second example describes the upload of customer data with the customer being a person. You can upload both, vendor and customer data using the BP data model, as *MDG, consolidation* also uses the BP data model.

**i** Note

For the upload of data related to organizations, you can also use the vendor or the customer data model. In this case you have to run the report `MDC_BP_TRANSFORM_SOURCE_DATA` to transform the data to the BP data model after the source tables are filled. The report only supports the transformation of data related to organizations. It does not supports the transformation of person-related data.

**i** Note

The source system is XYZ\_333. All data is uploaded to the client 401.

### Upload of Vendor Data (Organization)

The record contains the following data:

Table 12

Data	Value
Name	SAP SE
Street and house number	Dietmar-Hopp-Allee 16
City	69190 Walldorf
Country	Germany
Telephone	+49/6227/7-47474
Fax	+49/6227/7-57575
E-Mail	info@sap.com
VAT identification number	DE 143454214
D-U-N-S® number	316268655
Bank details	987654321 1234567890

## BP Data Model

Using the BP data model for the upload, the following tables are filled:

Table 13

Master Data Consolidation: Source Table	Description
BUT000_SRC	BP: General data I
BUT020_SRC	BP: Addresses
BUT_ADRC_SRC	Addresses (Business Address Services)
BUT_ADR2_SRC	Telephone Numbers (Business Address Services)
BUT_ADR3_SRC	Fax Numbers (Business Address Services)
BUT_ADR6_SRC	E-Mail Addresses (Business Address Services)
BUT0BK_SRC	BP: Bank Details
DFKKBPTAXNUM_SRC	Tax Numbers for Business Partner
BUT0ID_SRC	BP: ID Numbers
BUT100_SRC	BP: Roles
LFA1_SRC	Vendor Master (General Section)

## Vendor Data Model

Using the supplier data model for the upload, the following tables are filled:

### **i** Note

It is required to run the report `MDC_BP_TRANSFORM_SOURCE_DATA` after the source tables are filled.

Table 14

Master Data Consolidation: Source Table	Description
LFA1_SRC	Vendor Master (General Section)
BUT_ADRC_SRC	Addresses (Business Address Services)
BUT_ADR2_SRC	Telephone Numbers (Business Address Services)
BUT_ADR3_SRC	Fax Numbers (Business Address Services)
BUT_ADR6_SRC	E-Mail Addresses (Business Address Services)
LFBK_SRC	Vendor Master (Bank Details)
DFKKBPTAXNUM_SRC	Tax Numbers for Business Partner
BUT0ID_SRC	BP: ID Numbers

### Tables in detail

The tables listed below show in detail the data to be loaded.

### BUT000\_SRC

Table 15

Field	Content
CLIENT	401
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	1234567890
TYPE	2  <b>i Note</b> 2 = Organization
NAME_ORG1	SAP SE
SOURCE_RECENCY	20150706000000
SOURCE_FILTER	TEST1  <b>! Caution</b> NULL is not supported. We recommend to use a proper value for the field SOURCE_FILTER.

### BUT020\_SRC


Table 16

Field	Content
CLIENT	401

Field	Content
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	1234567890
SOURCE_ADDRNUMBER	1234567891
SOURCE_RECENCY	20150706000000

## BUT\_ADRC\_SRC


Table 17

Field	Content
CLIENT	401
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	1234567890
SOURCE_ADDRNUMBER	1234567891
DATE_FROM	00010101
ADDRNUMBER	1234567891
	 <b>Note</b> Used with the supplier model
CITY1	Walldorf
POST_CODE1	69190
STREET	Dietmar-Hopp-Allee
HOUSE_NUM1	16
COUNTRY	DE
LANGU	D
SOURCE_RECENCY	20150706000000

## BUT\_ADR2\_SRC


Table 18

Field	Content
CLIENT	401
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	1234567890
SOURCE_ADDRNUMBER	1234567891
DATE_FROM	00010101

Field	Content
CONSNUMBER	001
COUNTRY	DE
FLGDEFAULT	X
TEL_NUMBER	06227/7-47474
TELNRLONG	+496227747474
	 <b>Note</b> Used as an alternative to TEL_NUMBER
SOURCE_RECENCY	20150706000000

### BUT\_ADR3\_SRC

Table 19

Field	Content
CLIENT	401
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	1234567890
SOURCE_ADDRNUMBER	1234567891
DATE_FROM	00010101
CONSNUMBER	001
COUNTRY	DE
FLGDEFAULT	X
FAX_NUMBER	06227/7-57575
FAXNR_LONG	+496227757575
	 <b>Note</b> Used as an alternative to FAX_NUMBER
SOURCE_RECENCY	20150706000000

### BUT\_ADR6\_SRC

Table 20

Field	Content
CLIENT	401
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	1234567890

Field	Content
SOURCE_ADDRNUMBER	1234567891
DATE_FROM	00010101
CONSNUMBER	001
FLGDEFAULT	X
SMTP_ADDR	info@sap.com
SOURCE_RECENCY	20150706000000

### BUTOBK\_SRC

Table 21

Field	Content
CLIENT	401
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	1234567890
BKVID	0001
BANKS	DE
BANKL	987654321
BANKN	1234567890
SOURCE_RECENCY	20150706000000

### DFKKBPTAXNUM\_SRC

Table 22

Field	Content
CLIENT	401
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	1234567890
TAXTYPE	DE0
TAXNUM	DE143454214
SOURCE_RECENCY	20150706000000

### BUTOID\_SRC

Table 23

Field	Content
CLIENT	401

Field	Content
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	1234567890
TYPE	BUPO01
IDNUMBER	316268655
SOURCE_RECENCY	20150706000000

### BUT100\_SRC



Table 24

Field	Content
CLIENT	401
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	1234567890
RLTYP	FLVN01  <b>i</b> Note Role for suppliers
SOURCE_RECENCY	20150706000000

### LFA1\_SRC

Table 25

Field	Content
CLIENT	401
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	1234567890
LIFNR	1234567890  <b>i</b> Note Only required if you use the supplier model.
NAME1	SAP SE  <b>i</b> Note Only required if you use the supplier model.
ADRNR	1234567891

Field	Content
	 <b>Note</b> Only required if you use the supplier model.
KTOKK	KRED
SPRAS	D  <b>Note</b> Only required if you use the supplier model.
SOURCE_RECENCY	20150706000000

## LFBK\_SRC

Table 26

Field	Content
CLIENT	401
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	1234567890
BANKS	DE
BANKL	987654321
BANKN	1234567890
BVTYP	0001
SOURCE_RECENCY	20150706000000

## Upload of Customer Data (Person)

The record contains the following data:

Table 27

Data	Value
Name	Erika Mustermann
Street and House number	Heidestrasse 17
City	51147 Köln
Country	Germany
E-Mail	erika.mustermann@email-adresse.com
Birth date	12.08.1964



## BP Data

### **i** Note

As the report MDC\_BP\_TRANSFORM\_SOURCE\_DATA does not support the transformation of person-related data, in this example the customer data model can not be used.

Customer data related to organizations can be uploaded using the customer model. This can be done in analogy to the supplier model.

Using the BP data model for the upload, the following tables are filled:

Table 28

Table	Description
BUT000_SRC	BP: General data I
BUT020_SRC	BP: Addresses
BUT_ADRC_SRC	Addresses (Business Address Services)
BUT_ADR6_SRC	E-Mail Addresses (Business Address Services)
BUT100_SRC	BP: Roles
KNA1_SRC	General Data in Customer Master


## Tables in detail

The tables listed below show in detail the data to be loaded.

### BUT000\_SRC

Table 29

Field	Content
CLIENT	401
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	2345678901
TYPE	1 <b>i</b> Note 1 = Person
NAME_LAST	Mustermann
NAME_FIRST	Erika
XSEXF	X
BIRTHDT	19640812
SOURCE_RECENCY	20150706000000
SOURCE_FILTER	TEST2

Field	Content
	 <b>Caution</b> NULL is not supported. We recommend to use a proper value for the field SOURCE_FILTER.

## BUT020\_SRC

Table 30

Field	Content
CLIENT	401
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	2345678901
SOURCE_ADDRNUMBER	2345678902
SOURCE_RECENCY	20150706000000

## BUT\_ADR6\_SRC

Table 31

Field	Content
CLIENT	401
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	2345678901
SOURCE_ADDRNUMBER	2345678902
DATE_FROM	00010101
CITY1	Koeln
POST_CODE1	51147
STREET	Heidestrasse
HOUSE_NUM1	17
COUNTRY	DE
LANGU	D
SOURCE_RECENCY	20150706000000

## BUT\_ADR6\_SRC


Table 32

Field	Content
CLIENT	401

Field	Content
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	2345678901
SOURCE_ADDRNUMBER	2345678902
DATE_FROM	00010101
CONSNUMBER	001
FLGDEFAULT	X
SMTP_ADDR	erika.mustermann@email-adresse.com
SOURCE_RECENCY	20150706000000

### BUT100\_SRC

Table 33

Field	Content
CLIENT	401
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	2345678901
RLTYP	FLCU01
	 <b>Note</b> role for customers
SOURCE_RECENCY	20150706000000

### KNA1\_SRC

Table 34

Field	Content
CLIENT	401
SOURCE_SYSTEM	XYZ_333
SOURCE_ID	2345678901
KTOKD	DEBI
SOURCE_RECENCY	20150706000000

## More Information

### Note




The source ID has to be a unique identifier for a specific source system. If you upload data using the vendor or customer data model, you have to make sure that the ID remains unique. If there are vendor- and customer IDs

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within the same number range the IDs might be made unique by adding a suffix. For example a customer and a vender, both with the ID 1234567890 might be renamed to K123456789 and L123456789.

# Typographic Conventions

Table 35

Example	Description
<Example>	Angle brackets indicate that you replace these words or characters with appropriate entries to make entries in the system, for example, "Enter your <User Name>".
▶ Example ▶ Example ▶	Arrows separating the parts of a navigation path, for example, menu options
<b>Example</b>	Emphasized words or expressions
<b>Example</b>	Words or characters that you enter in the system exactly as they appear in the documentation
<a href="http://www.sap.com">www.sap.com</a> 	Textual cross-references to an internet address
<a href="#">/example</a>	Quicklinks added to the internet address of a homepage to enable quick access to specific content on the Web
<a href="#">123456</a> 	Hyperlink to an SAP Note, for example, SAP Note <a href="#">123456</a> 
<i>Example</i>	<ul style="list-style-type: none"> <li>Words or characters quoted from the screen. These include field labels, screen titles, pushbutton labels, menu names, and menu options.</li> <li>Cross-references to other documentation or published works</li> </ul>
Example	<ul style="list-style-type: none"> <li>Output on the screen following a user action, for example, messages</li> <li>Source code or syntax quoted directly from a program</li> <li>File and directory names and their paths, names of variables and parameters, and names of installation, upgrade, and database tools</li> </ul>
EXAMPLE	Technical names of system objects. These include report names, program names, transaction codes, database table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE
<span style="border: 1px solid black; padding: 2px;">EXAMPLE</span>	Keys on the keyboard



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