

# End to End Solution to Multilingual Master Data



## Applies to:

SAP NetWeaver 2004s/ MDM 5.5 SP 06. For more information, visit the [Master Data Management homepage](#).

## Summary

This article demonstrates the step by step procedure of a Material master business scenario, which Restructures the source data and then handles the Multilingual Master data, followed by consolidation. It explains in detail the end to end handling of multilingual Master data from data modeling to syndication.

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## Author Bio



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## Business Scenario

Consider a real time scenario wherein we have a Multinational Company operating at different Locations or Countries. Due to the regional disparity the master data will be maintained in the respective local languages. For example the texts master data for plant maintenance. The technical object of it has short texts and long texts which is useful for the maintenance planner to identify it, by its text description. Even the technical data will be maintained in multiple languages.

Besides it, if the Company is located in countries as India, Canada where several languages are spoken, master data will be maintained in a number of languages with in the same Country. In addition to it, this could also arise in case of merger and acquisition of companies positioned at different locations. To add to the irony, in Countries like Japan, the Universal language English is not understood by most, and data is maintained in the respective national language.

Due to the above reasons, it becomes mandatory for the SAP MDM tool to have the capability to handle the multilingual master data. This article primarily focuses on how to meet the challenges in handling the multilingual master data in all the stages of MDM, like in repository, while importing, merging and syndicating.

Consider the below Material master table, which is maintaining the material description in multiple languages.

MATERIAL ID	DESCRIPTION	LANGUAGE KEY
1005	SHOVEL	E
1005	SCHAUFEL	D
1005	ЛОПАТКОУЛАВЛИВАТЕЛЬ	R

In order to consolidate the data, we restructure it and handle the multilingual master data in each stage.

MATERIAL ID	ENGLISH	GERMAN	RUSSIAN
1005	SHOVEL	SCHAUFEL	ЛОПАТКОУЛАВЛИВАТЕЛЬ

## Synopsis of the Process

### At Console:

1. Declaring a Multilingual Repository.
2. Defining the multilingual fields.

### At Import Manager:

1. Pivoting the source data for mapping
2. Multilingual Mapping
3. Importing the Master data

### At Data Manager:

1. Defining the Strategy
2. Deduplication

### At Syndicator:

1. Multilingual Syndication.

## Snapshot of the Process at Each Stage

### At Console

In order to handle the multilingual master data, we have to formulate a repository which can handle the requisite languages. So, we declare the repository as multilingual and select the languages in the “Repository Detail” pane as below:

The screenshot displays the SAP MDM Console interface. On the left is the 'Console Hierarchy' tree, and on the right is the 'Repositories' table and the 'Repository Detail' pane.

**Console Hierarchy:**

- SAP MDM Servers
  - psimdm
    - API\_MATCHING
    - BI\_MDM\_CUSTOMER\_3.5
    - CIF\_AXA\_POLICY\_AG2
    - CMDM\_MATERIAL
    - ECC\_MDM\_ABAP\_API
    - ECC\_XI\_MDM\_EP\_VENDOR
    - EMPLOYEE\_MASTER
    - Material\_Multilingual
      - Products
      - Categories
      - Images
      - Image Variants
      - Sounds
      - Videos
      - Binary Objects
      - Text Blocks
      - Copy Blocks
      - Text HTMLs
      - PDFs
      - Masks
      - Relationships
      - Workflows
      - Named Searches
      - Admin
      - R3\_XI\_CUSTOMER\_MDM
      - R3\_XI\_MATERIAL\_MDM\_SP06

**Repositories Table:**

Name	DBMS Server	Languages	Log on	Port
ECC_XI_MDM_EP_VENDOR	M10			
EMPLOYEE_MASTER	M10			
Material_Multilingual	M10	English [US]   German [AT]	system	2345
R3_XI_CUSTOMER_MDM	M10			
R3_XI_MATERIAL_MDM_SP06	M10			
R3_XI_MDM_Material	M10			
R3_XI Vendor	M10			

**Repository Detail:**

Name	Material_Multilingual	
Description		
DBMS Server	M10	
DBMS Type	Oracle	
Log on	system	
Port	2345	
Type	Normal	
Languages	English [US]; German [AT]	
English [US]	Available languages:	
German [AT]	<ul style="list-style-type: none"> <li>Norwegian Nynorsk [NO]</li> <li>Persian [IR]</li> <li>Polish [PL]</li> <li>Portuguese [BR]</li> <li>Portuguese [PT]</li> <li>Romanian [RO]</li> <li>Russian [RU]</li> <li>Russian [UA]</li> <li>Serbian [RS]</li> </ul>	Selected languages: English [US] German [AT]

**Console Hierarchy**

- SAP MDM Servers
  - psimdm
    - API\_MATCHING
    - BI\_MDM\_CUSTOMER\_3.5
    - CIF\_AXA\_POLICY\_AG2
    - CMDM\_MATERIAL
    - ECC\_MDM\_ABAP\_API
    - ECC\_XI\_MDM\_EP\_VENDOR
    - EMPLOYEE\_MASTER
    - Material\_Multilingual
      - Products
      - Categories
      - Images
      - Image Variants
      - Sounds
      - Videos
      - Binary Objects
      - Text Blocks
      - Copy Blocks
      - Text HTMLs

**Repositories**

Name	DBMS Server	Languages	Log on
EMPLOYEE_MASTER	M10		
Material_Multilingual	M10	English [US]   German [AT]   Russian [RU]	system
R3_XI_CUSTOMER_MDM	M10		

**Repository Detail**

Name	Material_Multilingual
Description	
DBMS Server	M10
DBMS Type	Oracle
Log on	system
Port	2345
Type	Normal
Languages	English [US]   German [AT]   Russian [RU]
English [US]	### German [AT]   Russian [RU]
German [AT]	### English [US]   Russian [RU]
Russian [RU]	### English [US]   German [AT]

The next step is, having identified the field (MATERIAL DESCRIPTION) which is maintained in various languages; we declare it as multilingual in the "Field Detail" pane as below:

**Console Hierarchy**

- SAP MDM Servers
  - psimdm
    - API\_MATCHING
    - BI\_MDM\_CUSTOMER\_3.5
    - CIF\_AXA\_POLICY\_AG2
    - CMDM\_MATERIAL
    - ECC\_MDM\_ABAP\_API
    - ECC\_XI\_MDM\_EP\_VENDOR
    - EMPLOYEE\_MASTER
    - Material\_Multilingual
      - Products
      - Categories
      - Images
      - Image Variants
      - Sounds
      - Videos
      - Binary Objects
      - Text Blocks
      - Copy Blocks
      - Text HTMLs
      - PDFs
      - Masks

**Fields**

Pos.	Name	Type	Keyword	DF	UF
[1]	MATERIAL ID	Text	None	[1]	
[2]	WEIGHT	Text	None		
[3]	QUANTITY	Text	None		
	New Field	Integer	None		

**Field Detail**

Name	New Field ;	
Code	Language	Value
Description	English [US]	MATERIAL DESCRIPTION
Type	German [AT]	
Required	Russian [RU]	
Writable Once		
Matrix		
Multi-Lingual		
Keyword		

Hierarchy	Fields						
	Pos.	Name	Type	Keyword	DF	UF	
M Servers							
dm	[1]	MATERIAL ID	Text	None	[1]		
API_MATCHING	[2]	WEIGHT	Text	None			
SI_MDM_CUSTCMEP_3.5	[3]	QUANTITY	Text	None			
CIF_AXA_POLICY_AG2	[4]	MATERIAL DESCRIPTION	Text	None			
CMDM_MATERIAL							
ECC_MDM_ABAP_API							
ECC_XI_MDM_EP_VENDOR							
EMPLOYEE_MASTER							
Material_Multilingual							
Products							
Categories							
Images							
Image Variants							
Sounds							
Videos							
Binary Objects							
Text Blocks							
Copy Blocks							
Text HTMLs							
PDFs							
Masks							
Relationships							
Workflows							
Named Searches							
Admin							
R3_XI_CUSTOMER_MDM							
R3_XI_MATERIAL_MDM_SPO6							
R3_XI_MDM_Material							
R3_XI_Vendor							

Field Detail	
Name	MATERIAL DESCRIPTION
Code	New_Code4
Description	
Type	Text
Required	No
Writable Once	No
Matrix	Normal
Multi-Lingual	Yes
Keyword	Yes
Display Field	No
Unique Field	No
Sort Index	Normal
Calculated	No
Calculation	
Width	60
Sort Type	Case Insensitive

## At Import Manager

Restructuring the source data, so that it can match with the repository structure. We can achieve it by pivoting it as below.

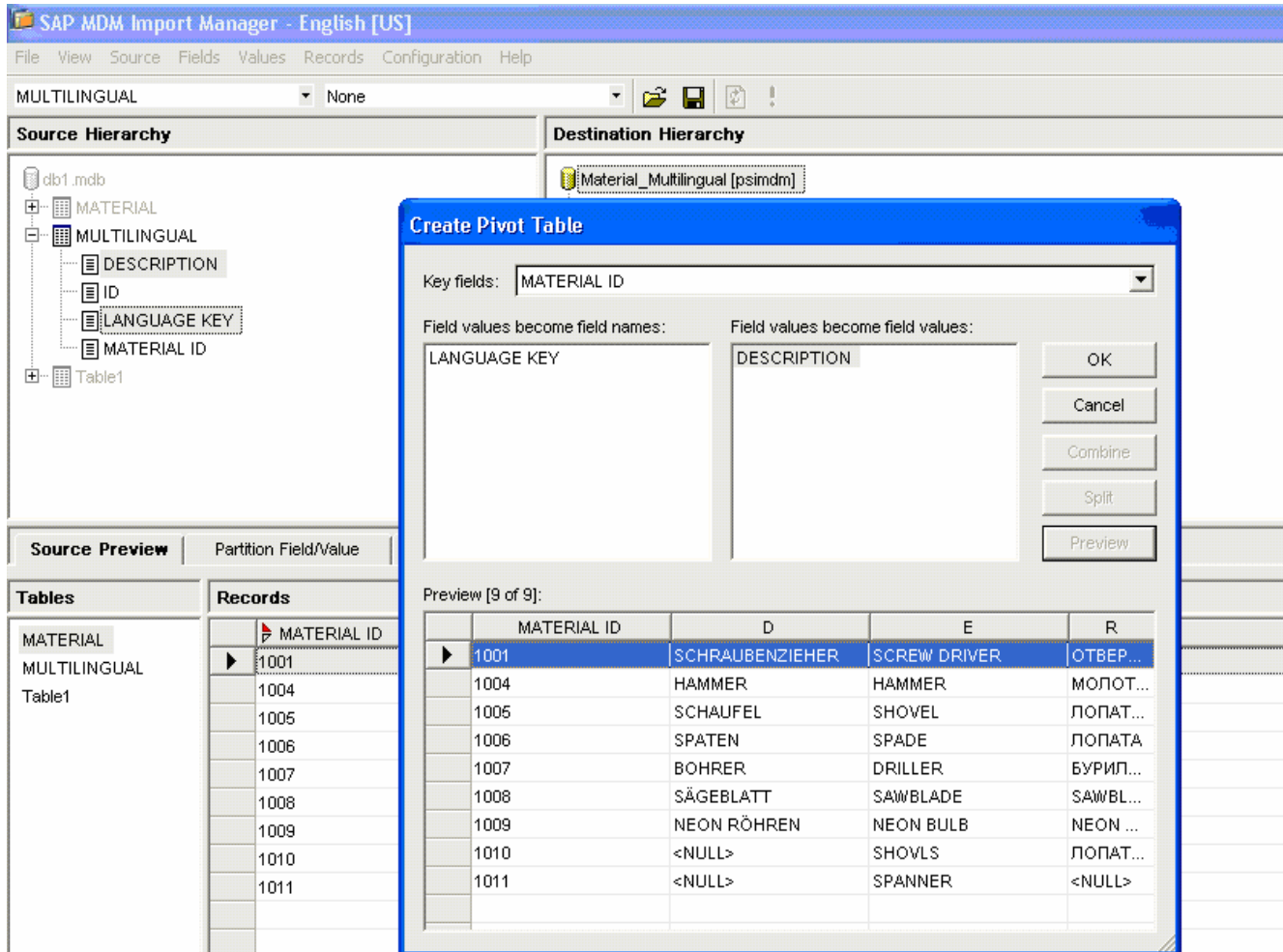
Select the appropriate fields required to create the pivot table.

The screenshot shows the SAP MDM Import Manager interface. The 'Source Hierarchy' pane on the left displays a tree structure starting with 'db1\_mdb', followed by 'MATERIAL', 'MULTILINGUAL', and 'DESCRIPTION'. A context menu is open over the 'MULTILINGUAL' table, with the 'Create Pivot Table...' option selected. The 'Destination Hierarchy' pane on the right shows a tree structure starting with 'Material\_Multilingual [psimdm]', followed by 'Products', 'Categories', 'Masks', 'Named Searches', 'Validation Groups', 'Validations', 'Binary Objects', 'Copy Blocks', 'Images', 'PDFs', and 'Sounds'. The 'Source Preview' pane at the bottom left shows a table with columns 'WEIGHT', 'QUANTITY', and 'ISO NUMBER'. The 'Match Records' pane at the bottom right shows a table with columns 'WEIGHT', 'QUANTITY', and 'ISO NUMBER'.

WEIGHT	QUANTITY	ISO NUMBER
10		1188
37		1199
12		7777
8		9999
6		6678
9		4567
12		7896
4		2453
10		1188



Here, we select the Language values as Field names, and Material ID as the key field. We do it, in order to get the languages as the field names and we can get the master data in the repository structure.



The screenshot shows the SAP MDM Import Manager interface. The 'Create Pivot Table' dialog box is open, showing the following configuration:

- Key fields:** MATERIAL ID
- Field values become field names:** LANGUAGE KEY
- Field values become field values:** DESCRIPTION

The preview table shows the following data:

MATERIAL ID	D	E	R
1001	SCHRAUBENZIEHER	SCREW DRIVER	ОТВЕР...
1004	HAMMER	HAMMER	МОЛОТ...
1005	SCHAUFEL	SHOVEL	ЛОПАТ...
1006	SPATEN	SPADE	ЛОПАТА
1007	BOHRER	DRILLER	БУРИЛ...
1008	SÄGEBLATT	SAWBLADE	SAWBL...
1009	NEON RÖHREN	NEON BULB	NEON ...
1010	<NULL>	SHOVL	ЛОПАТ...
1011	<NULL>	SPANNER	<NULL>

Join the pivoted table with the Main table through Material ID.

The screenshot shows the SAP MDM Import Manager interface. The 'Source Hierarchy' on the left shows a tree structure with 'MATERIAL ID' selected. A context menu is open over 'MATERIAL ID', with 'Join' selected. A sub-menu is open for 'Join', showing 'MULTILINGUAL <Pivot>' selected, and a further sub-menu is open for 'MULTILINGUAL <Pivot>', with 'MATERIAL ID' selected. The 'Destination Hierarchy' on the right shows a tree structure with 'Material\_Multilingual [psimdm]' selected. The 'Source Preview' section shows a table with columns 'HT' and 'QUANTITY'. The 'Tables' section shows a list of tables including 'MATERIAL', 'MULTILINGUAL', 'Table1', and 'MULTILINGUAL <Pivot>'. The 'Join' operation is being performed between 'MATERIAL ID' and 'MATERIAL ID' in the 'MULTILINGUAL <Pivot>' table.

HT	QUANTITY
10	1188
37	1199
12	7777
8	9999
6	6678
9	4567
12	7896
4	7777
10	2453

We add Languages as Look up values to the Main table material.

The screenshot shows the SAP MDM Import Manager interface. The 'Source Hierarchy' pane on the left displays a tree structure under 'db1\_mdb' with 'MATERIAL' as the root. It includes fields like 'ISO NUMBER', 'MATERIAL ID [Join]', 'QUANTITY', 'WEIGHT', and 'MULTILINGUAL <Pivot>'. The 'Destination Hierarchy' pane on the right shows a tree for 'Material\_Multilingual [psimdm]' with various object types like 'Products', 'Categories', 'Masks', etc. A context menu is open over the 'MULTILINGUAL <Pivot>' field, with 'Lookup' selected. A sub-menu is also open, showing 'MATERIAL ID' as a lookup value. Below the panes, there are sections for 'Source Preview', 'Tables', and 'Records'. The 'Tables' section lists 'MATERIAL', 'MULTILINGUAL', 'Table1', and 'MULTILINGUAL <Pivot>'. The 'Records' section shows a table with columns for 'ISO NUMBER' and 'MATERIAL ID'.

ISO NUMBER	MATERIAL ID
188	
199	
777	
999	
678	
4567	
7896	
7777	
2453	

The modified source file after pivoting and joining looks as below:

The screenshot displays the SAP MDM Import Manager interface. The top menu bar includes File, View, Source, Fields, Values, Records, Configuration, and Help. Below the menu, the 'Source Hierarchy' shows a tree structure for 'db1.mdb' with nodes for MATERIAL, ISO NUMBER, MATERIAL ID [Join], QUANTITY, WEIGHT, MULTILINGUAL <Pivot>, D, E, R, MULTILINGUAL, and DESCRIPTION. The 'Destination Hierarchy' shows a tree for 'Material\_Multilingual [psindm]' with nodes for Products, Categories, Masks, Named Searches, Validation Groups, Validations, Binary Objects, Copy Blocks, Images, PDFs, and Sounds.

Below the hierarchies, the 'Source Preview' section shows a table with columns: Partition Field/Value, Map Fields/Values, Match Records, and Import Status. The 'Tables' section lists MULTILINGUAL, Table1, MULTILINGUAL <Pivot>, and MATERIAL [Lookup]. The 'Records' section displays a table with columns: MATERIAL ID, WEIGHT, QUANTITY, ISO NUMBER, D, E, and R.

	MATERIAL ID	WEIGHT	QUANTITY	ISO NUMBER	D	E	R
Table1	1001	20	10	1188	SCHRAUBENZI...	SCREW DRIVER	ОТВЕРТКА
MULTILINGUAL <Pivot>	1004	25	37	1199	HAMMER	HAMMER	МОЛОТОК
MATERIAL [Lookup]	1005	22	12	7777	SCHAUFEL	SHOVEL	ЛОПАТКОУЛАВ...
	1006	18	8	9999	SPATEN	SPADE	ЛОПАТА
	1007	32	6	6678	BOHRER	DRILLER	БУРИЛЬЩИК
	1008	22	9	4567	SÄGEBLATT	SAWBLADE	SAWBLADE
	1009	4	12	7896	NEON RÖHREN	NEON BULB	NEON ШАРИК
	1010	17	4	7777		SHOVLS	ЛОПАТКОУЛАВ...
	1011	20	10	2453		SPANNER	

In the “Destination Fields” section, MDM provides us the virtual fields which are created for the fields declared as multilingual. So, the number of virtual fields (in red color) depends on the languages declared in console for the repository.

In the “Field Mapping” segment, we map the virtual fields to the respective language fields in the source side as in the beneath.

The source fields E, D & R are mapped to destination fields in languages, English, German and Russian respectively.

**SAP MDM Import Manager - English [US]**

File View Source Fields Values Records Configuration Help

MATERIAL Products

**Source Hierarchy**

- db1\_mdb
  - MATERIAL
    - ISO NUMBER
    - MATERIAL ID [Join]
    - QUANTITY
    - WEIGHT
    - MULTILINGUAL <Pivot>
      - D
      - E
      - R
  - MULTILINGUAL
  - MULTILINGUAL <Pivot>

**Destination Hierarchy**

- Material\_Multilingual [psimdm]
  - Products
    - MATERIAL ID
    - WEIGHT
    - QUANTITY
    - MATERIAL DESCRIPTION
    - ISO NUMBER
    - LANGUAGE KEY
  - Categories
  - Masks
  - Named Searches
  - Validation Groups

---

Source Preview Partition Field/Value **Map Fields/Values** Match Records Import Status

Field mapping

Source fields:				Destination fields:				
Mapped	Name	Type	Desti	F/D/Q	Name	Language	Type	
	WEIGHT	Numeric		F	ISO NUMBER	English [US]	Text [50]	
✔	R <MULTILINGUAL <Pivot>>	Text	MATERIAL	F	LANGUAGE KEY	English [US]	Text [50]	
	QUANTITY	Numeric		✔	MATERIAL DESCRIPTION	English [US]	Text [50]	
	MATERIAL ID	Numeric		✔	MATERIAL DESCRIPTION	German [AT]	Text [50]	
	ISO NUMBER	Numeric		✔	MATERIAL DESCRIPTION	Russian [RU]	Text [50]	
✔	E <MULTILINGUAL <Pivot>>	Text	MATERIAL	F	MATERIAL ID [DF]	English [US]	Text [50]	
✔	D <MULTILINGUAL <Pivot>>	Text	MATERIAL	F	QUANTITY	English [US]	Text [50]	
	[Match Level/Type]	Text		F	WEIGHT	English [US]	Text [50]	

Automap Map Unmap Add

After mapping, under the “MATCH RECORDS” tab, we select the Material ID as matching field and import the records.

The screenshot shows the SAP MDM Import Manager interface. The 'MATCH RECORDS' tab is active. The 'Value matching' section shows 'MATERIAL ID [DF] [Key] [All]' as the matching field. The 'Default import actions' table is as follows:

Active	Match Level	Match Type	Default Import Action
9 of 9	None	None	Create
0 of 0	Single	Exact	Skip
0 of 0	Single	Partial	Skip
0 of 0	Single	Conflict	Skip
0 of 0	Multiple	Exact	Skip
0 of 0	Multiple	Partial	Skip
0 of 0	Multiple	Conflict	Skip
0 of 0	Filtered	Source	Skip
0 of 0	Filtered	Destination	Skip

The screenshot shows the 'Import Status' tab. It displays a summary of action items and a confirmation dialog box. The 'Action items: Ready to import' section contains the following tables:

Table Mapping	Source	Destination	Fields Mapped
	MATERIAL	Products	7 of 7

Table Joins	From	To
	MATERIAL.MATERIAL ID	MULTILINGUAL.MATERIAL ID

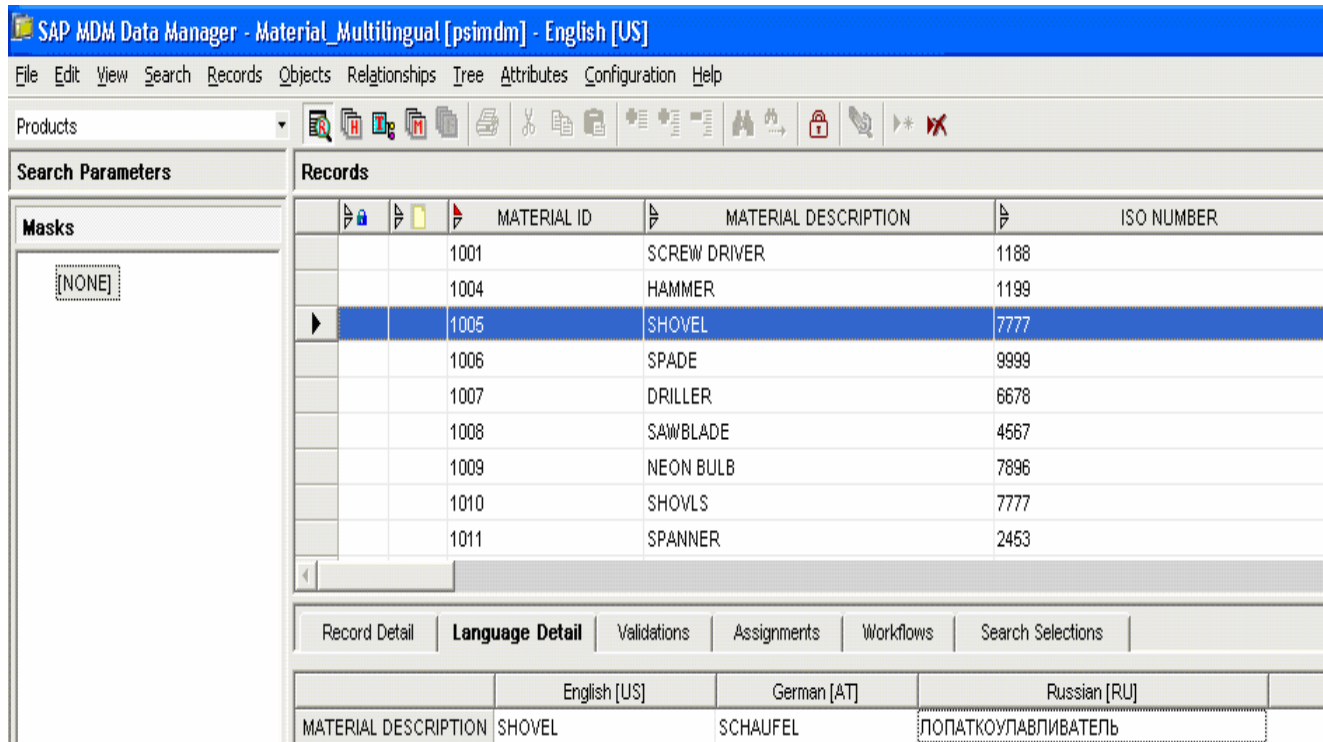
Field Lookups	Field	To
	MULTILINGUAL_ID	MATERIAL
	MULTILINGUAL_E	MATERIAL
	MULTILINGUAL_R	MATERIAL

A confirmation dialog box titled 'MDM Import Manager' is displayed, showing 'Finished importing records' and an 'OK' button.



## At Data Manager

Data Manager provides the means to view the multilingual master data of each record in the “Language Detail” tab.



SAP MDM Data Manager - Material\_Multilingual [psimdm] - English [US]

File Edit View Search Records Objects Relationships Tree Attributes Configuration Help

Products

Search Parameters

Masks [NONE]

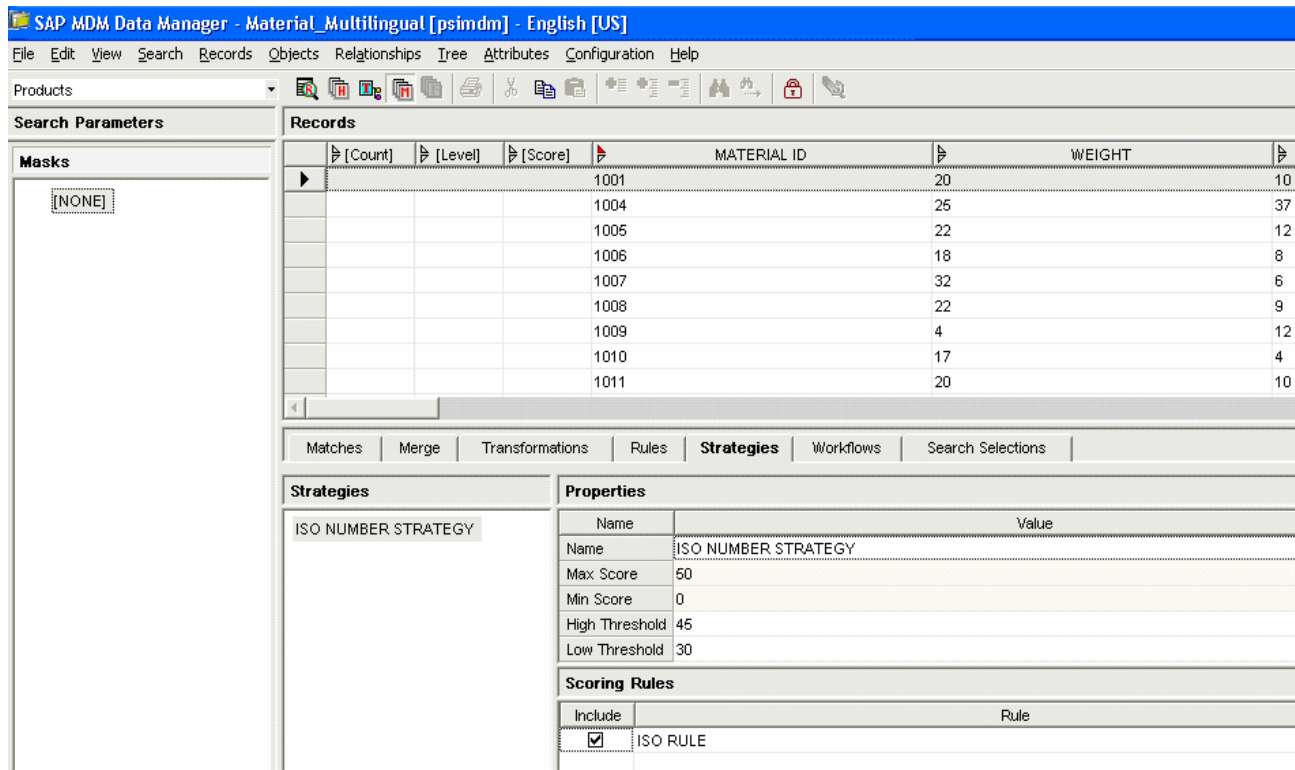
Records

MATERIAL ID	MATERIAL DESCRIPTION	ISO NUMBER
1001	SCREW DRIVER	1188
1004	HAMMER	1199
1005	SHOVEL	7777
1006	SPADE	9999
1007	DRILLER	6678
1008	SAWBLADE	4567
1009	NEON BULB	7896
1010	SHOVLS	7777
1011	SPANNER	2453

Record Detail **Language Detail** Validations Assignments Workflows Search Selections

	English [US]	German [AT]	Russian [RU]
MATERIAL DESCRIPTION	SHOVEL	SCHAUFEL	ЛОПАТКОУПАВЛИВАТЕЛЬ

In the Matching mode we define Rules and assign them to Strategy. Also the Threshold values are declared here.



SAP MDM Data Manager - Material\_Multilingual [psimdm] - English [US]

File Edit View Search Records Objects Relationships Tree Attributes Configuration Help

Products

Search Parameters

Masks [NONE]

Records

[Count]	[Level]	[Score]	MATERIAL ID	WEIGHT
			1001	20
			1004	25
			1005	22
			1006	18
			1007	32
			1008	22
			1009	4
			1010	17
			1011	20

Matches Merge Transformations Rules **Strategies** Workflows Search Selections

Strategies

ISO NUMBER STRATEGY

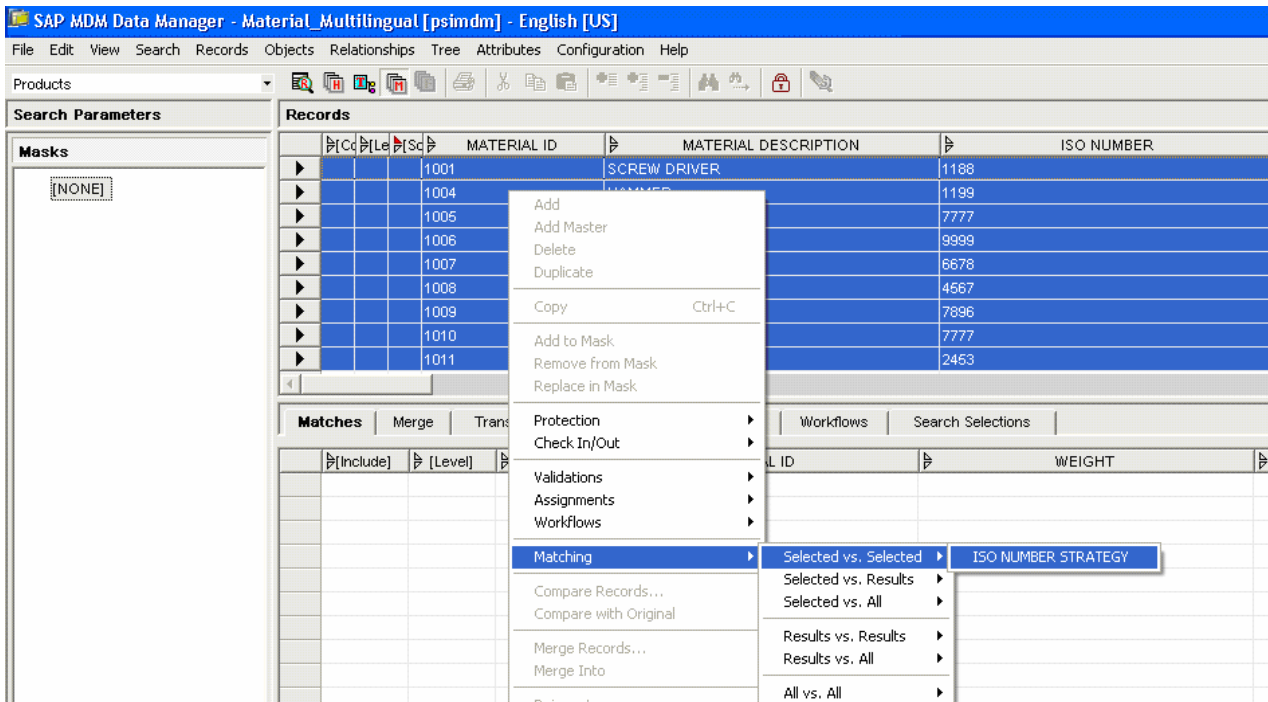
Properties

Name	Value
Name	ISO NUMBER STRATEGY
Max Score	60
Min Score	0
High Threshold	45
Low Threshold	30

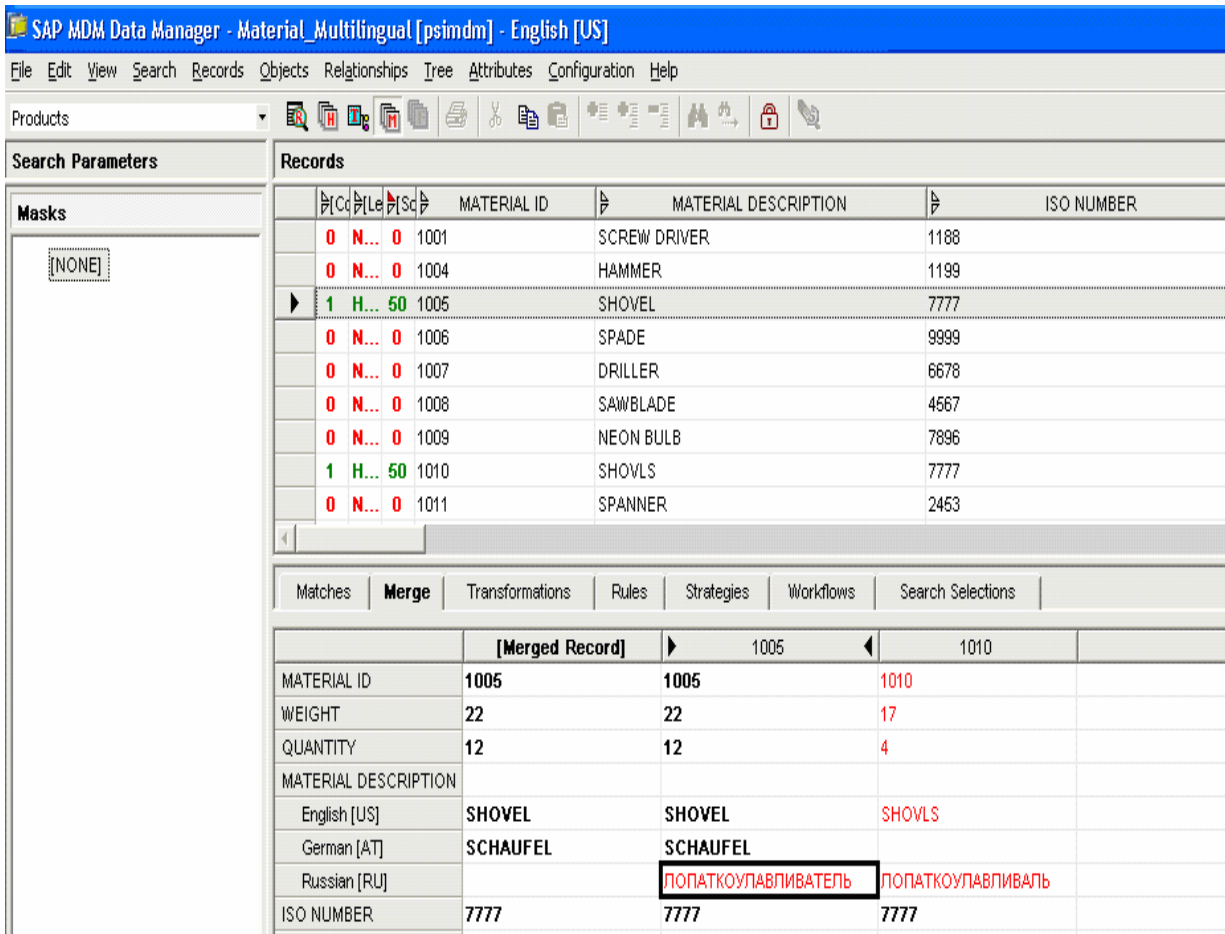
Scoring Rules

Include	Rule
<input checked="" type="checkbox"/>	ISO RULE

We select all the records and execute the strategy as below.



Merging option is also available for the multilingual data and the developer can consolidate the master data using it.





On Merging all the records we get the below screen:

SAP MDM Data Manager - Material\_Multilingual [psimdm] - English [US]

File Edit View Search Records Objects Relationships Tree Attributes Configuration Help

Products

**Search Parameters**

**Masks**

[NONE]

**Records**

			MATERIAL ID	MATERIAL DESCRIPTION	ISO NUMBER	
	0	N...	0	1001	SCREW DRIVER	1188
	0	N...	0	1004	HAMMER	1199
			1005	SHOVEL	7777	
	0	N...	0	1006	SPADE	9999
	0	N...	0	1007	DRILLER	6678
	0	N...	0	1008	SAWBLADE	4567
	0	N...	0	1009	NEON BULB	7896
	0	N...	0	1011	SPANNER	2453

Matches Merge Transformations Rules Strategies Workflows Search Selections

[Merged Record]

## At Syndicator

Under the “Item Mapping” tab, the Syndicator will allow splitting the multilingual field “By Language” as in the below screenshot:

SAP MDM Syndicator - Material\_Multilingual [psimdm]

File View Search Item Properties Syndication Configuration Source Items Help

Products

**Search Parameters**

**Masks**

[NONE]

**Records**

	MATERIAL ID	MATERIAL DESCRIPTION	ISO NMBR
▶	1001	SCREW DRIVER	1188
	1004	HAMMER	1199
	1005	SHOVEL	7777
	1006	SPADE	9999
	1007	DRILLER	6678
	1008	SAWBLADE	4567
	1009	NEON BULB	7896
	1011	SPANNER	2453

**Item Mapping** Map Properties Destination Items Custom Items Merge Items Search Selections Destination Preview

Source items:

Map	Name	Type
[-] Products	Main	
	MATERIAL ID [DF]	Text [50]
	MATERIAL DESCRIPTION   Text [50] (Multilingual)	
	ISO NMBR	Clone Source Item
	WEIGHT	Delete Source Item
	QUANTITY	Split Hierarchy Field
		Split Multi-Valued Field
		Split: Multilingual Field
		Expand Branch
		Expand Entire Branch
		Collapse Branch

Map Unmap

Destination items:

Order	Mapped	Include	Name	Type
[1]		<input type="checkbox"/>	MAT ID	Text
[2]		<input type="checkbox"/>	DESC ENG	Text
[3]		<input type="checkbox"/>	DESC GER(D)	Text
[4]		<input type="checkbox"/>	DESC RUSSIA(R)	Text
[5]		<input type="checkbox"/>	WT	Text
[6]		<input type="checkbox"/>	QUANTITY	Text
[7]		<input type="checkbox"/>	ISO NUMBER	Text

By Value  
By Language

The language fields so obtained are then mapped to the respective destination field as below:

SAP MDM Syndicator - Material\_Multilingual [psimdm]

File View Search Item Properties Syndication Configuration Source Items Help

Products

**Search Parameters**

**Masks**

[NONE]

**Records**

	MATERIAL ID	MATERIAL DESCRIPTION	ISO NMBR
▶	1001	SCREW DRIVER	1188
	1004	HAMMER	1199
	1005	SHOVEL	7777
	1006	SPADE	9999
	1007	DRILLER	6678
	1008	SAWBLADE	4567
	1009	NEON BULB	7896
	1011	SPANNER	2453

**Item Mapping** | Map Properties | Destination Items | Custom Items | Merge Items | Search Selections | Destination Preview

Source items:

Mapped	Name	Type
	Products	Main
	MATERIAL ID [DF]	Text [5]
	MATERIAL DESCRIPTION	Text [5]
	MATERIAL DESCRIPTION <English [US]>	Text [5]
✔	MATERIAL DESCRIPTION <German [AT]>	Text [5]
	MATERIAL DESCRIPTION <Russian [RU]>	Text [5]
	ISO NMBR	Text [5]
	WEIGHT	Text [5]
	QUANTITY	Text [5]

Map Unmap

Destination items:

Order	Map	Include	Name	Type
[1]	<input type="checkbox"/>	<input type="checkbox"/>	MAT ID	Text
[2]	<input type="checkbox"/>	<input type="checkbox"/>	DESC ENG	Text
[3]	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	DESC GER(D)	Text MATEF
[4]	<input type="checkbox"/>	<input type="checkbox"/>	DESC RUSSIA(R)	Text
[5]	<input type="checkbox"/>	<input type="checkbox"/>	WT	Text
[6]	<input type="checkbox"/>	<input type="checkbox"/>	QUANTITY	Text
[7]	<input type="checkbox"/>	<input type="checkbox"/>	ISO NUMBER	Text

Mapping all the fields as shown:

**Item Mapping** | Map Properties | Destination Items | Custom Items | Merge Items | Search Selections | Destination Preview

Source items:	Destination items:																																																																											
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After mapping, we can view the destination preview.

**Item Mapping** | Map Properties | Destination Items | Custom Items | Merge Items | Search Selections | **Destination Preview**

```

MAT ID|DESC ENG|DESC GER(D)|DESC RUSSIA(R)|WT|QUANTITY|ISO NUMBER
1001|SCREW DRIVER|SCHRAUBENZIEHER|ОТВЕРТКА|20|10|1188
1004|HAMMER|HAMMER|МОЛОТОК|25|37|1199
1005|SHOVEL|SCHAUFEL|ЛОПАТКОУЛАВЛИБАТЕЛЬ|22|12|7777
1006|SPADE|SPATEN|ЛОПАТА|18|8|9999
1007|DRILLER|BOHRER|БУРИЛЬНИК|32|6|6678
1008|SAWBLADE|SÄGEBLATT|SAWBLADE|22|9|4567
1009|NEON BULB|NEON RÖHREN|НЕОН ШАРИК|4|12|7896
1011|SPANNER|||20|10|2453
  
```

Executing the syndication process.

The screenshot shows the SAP MDM Syndicator interface. The main window displays a list of material records with columns for MATERIAL ID, MATERIAL DESCRIPTION, and ISO NMBR. An 'Exporting to Text...' dialog box is open, showing the status 'Writing' and the file name 'CUSTOMER\_ML.txt'. The dialog indicates that 8 of 8 records have been exported. The background table contains the following data:

MATERIAL ID	MATERIAL DESCRIPTION	ISO NMBR
1001	SCREW DRIVER	1188
1004	HAMMER	1199
1005	SHOVEL	7777
1006	SPADE	9999
1007	DRILLER	6678
1008	SAWBLADE	4567
1009	NEON BULB	7896
1011	SPANNER	2453

The Destination file looks as below:

The screenshot shows a Notepad window titled 'CUSTOMER\_ML - Notepad'. The content of the file is as follows:

```

MAT ID|DESC ENG|DESC GER(D)|DESC RUSSIA(R)|WT|QUANTITY|ISO NUMBER
1001|SCREW DRIVER|SCHRAUBENZIEHER|ОТВЕРТКА|20|10|1188
1004|HAMMER|HAMMER|МОЛОТОК|25|37|1199
1005|SHOVEL|SCHAUFEL|ЛОПАТКОУЛАВЛИВАТЕЛЬ|22|12|7777
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1009|NEON BULB|NEON RÖHREN|NEON ШАРИК|4|12|7896
1011|SPANNER|||20|10|2453
  
```

The above depicts the procedure of handling the material master data which has to be pivoted and then consolidate the data handling the multilingual data.

## Benefits

1. MDM can reach out without the exception of language or region.
2. With the capability we can handle any multilingual landscapes.
3. We can make country specific version of the same language.
4. It supports storing of all of the dimensions of audience specific information with in a single repository.

## Summary

Here we saw the basic steps of restructuring the multilingual material master data using the pivoting concept. We then followed a step by step approach to handling the multilingual master data in all the stages of a MDM implementation. The same can be done for any multilingual master data.

## Related Content

[www.sdn.sap.com/irj/sdn/mdm-elearning](http://www.sdn.sap.com/irj/sdn/mdm-elearning).

<https://www.sdn.sap.com/irj/sdn/weblogs?blog=/weblogs/topic/14>

<https://www.sdn.sap.com/irj/sdn/forums>

[For more information, visit the Master Data Management homepage.](#)

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