

Master Text Data Label Display in BEx Query



Applies to:

SAP Business Intelligence (BW) 7.0. For more details, visit the [EDW homepage](#).

Summary

This document will provide simple solution for how to display label for Master text data in BEx Query.

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Author Bio



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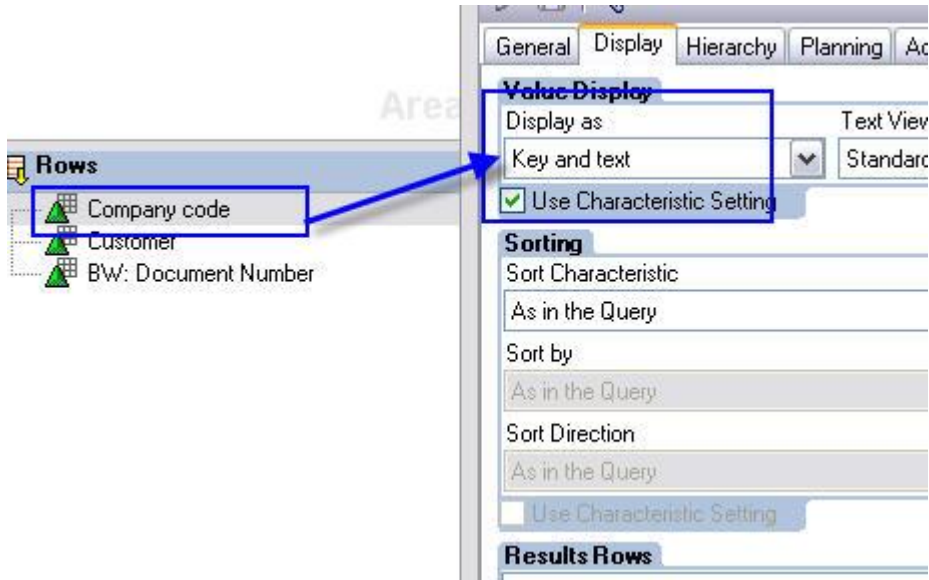
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Business Scenario

Label or title for Master text data is blank in BEx query design with standard options, but Reporting user wants to display title for Master Text data. This is the very generic requirement for BW reports.

Query Output with Standard Design Option:

In this example company code and customer master data is used for query design. In query designer characteristic value display setting with key and text is used as below image.



Then Query output will show blank in title for company code Text column as shown in below image.

Table				
Company code		Customer		Number of Records
1000	IDES AG	1001	LAMPEN-MARKT GMBH	183
		1032	INSTITUT FUER UMWELTFORSCHUNG	147
		1033	KARSSON HIGH TECH MARKT	408
		1100	PHUNDIX KG	1
		1171	HITECH AG	18
		1172	CBD COMPUTER BASED DESIGN	319
		1174	MOTOMARKT STUTTGART GMBH	293
		1175	ELEKTROMARKT BAMBY	305
		1200	MINERVA ENERGIEVERSORGUNG GMBH	5
		1300	CHRISTAL CLEAR	175
		1350	NSM PUMPENTECHNIK AG	1
		1360	AMADEUS	289
		1400	A.I.T. GMBH	4

Report Requirement:

Reporting user wants query output as shown in below image:

Company code	Company Name	Customer	Customer Name	Number o
1000	IDES AG	1001	LAMPEN-MARKT GMBH	
		1032	INSTITUT FUER UMWELTFORSCHUNG	
		1033	KARSSON HIGH TECH MARKT	
		1100	PHUNDIX KG	
		1171	HITECH AG	
		1172	CBD COMPUTER BASED DESIGN	
		1174	MOTOMARKT STUTTGART GMBH	
		1175	ELEKTROMARKT BAMBY	
		1200	MINERVA ENERGIEVERSORGUNG GMBH	
		1300	CHRISTAL CLEAR	
		1350	NSM PUMPENTECHNIK AG	
		1360	AMADEUS	
		1400	A.I.T. GMBH	

Step By Step Procedure to be Followed


Step 1: Creation of Characteristic with Reference to Characteristic with Master Data/Text

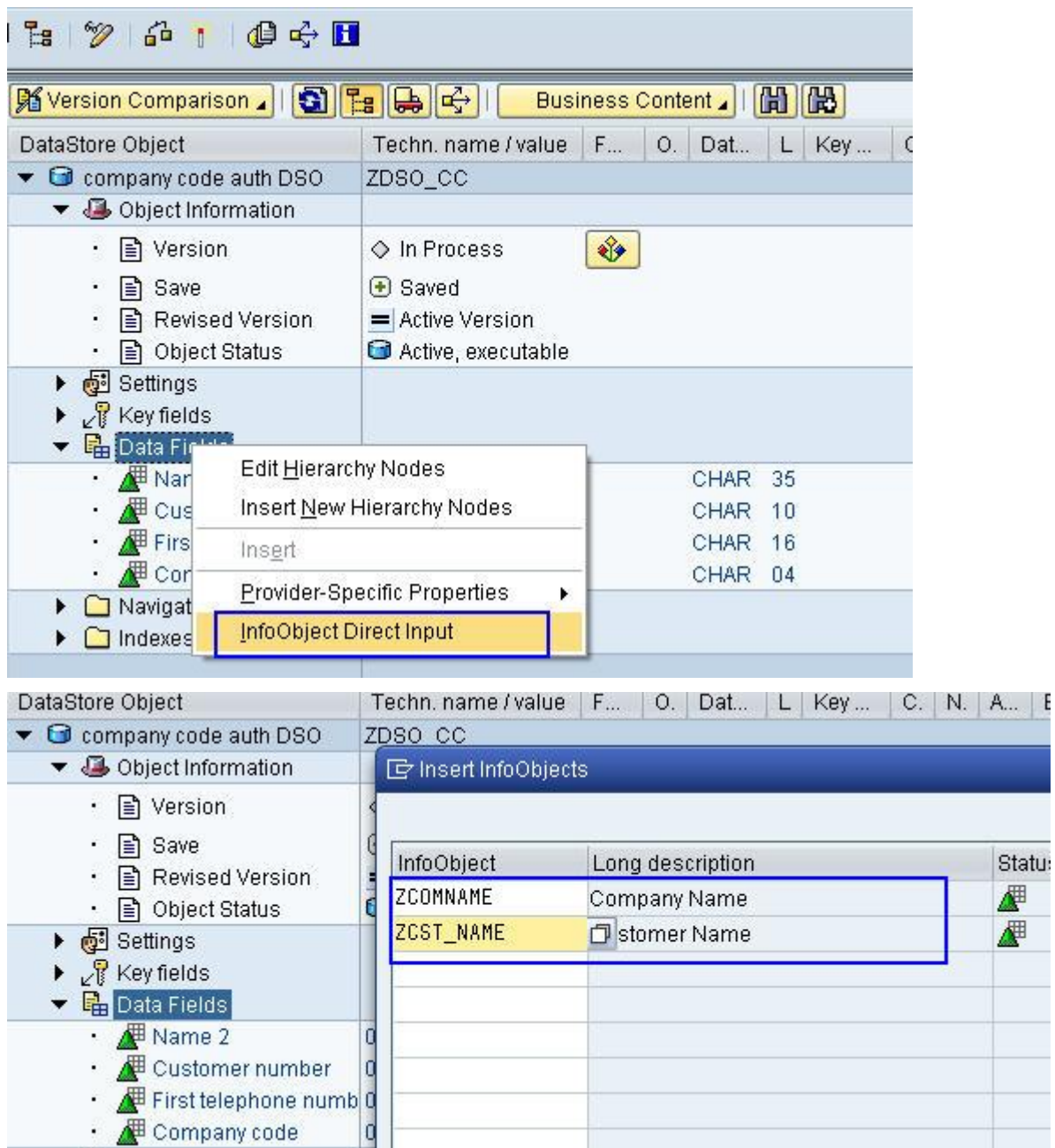
We need to create custom characteristic with reference to characteristics with master data/text which are used in Query. In this scenario master characteristics Company code (0COMP_CODE) and Customer (0CUSTOMER) are used in query.



Use Transaction code RSD1 to create characteristic, in this example ZCOMNAME (Company Name) and ZCST_NAME (Customer Name) created with Reference characteristics of Company code (0COMP_CODE) and Customer (0CUSTOMER) respectively. Save and activate ZCOMNAME and ZCST_NAME.

Step 2: Add Characteristics to InfoProvider



Use Transaction code RSA1, Click  to insert characteristics into infoProvider as show in below images



The first screenshot shows the SAP Business Explorer interface for the DataStore Object 'company code auth DSO' (ZDSO_CC). The 'Data Fields' folder is expanded, and a context menu is open over it. The 'InfoObject Direct Input' option is highlighted.




DataField	Techn. name / value	F...	O.	Dat...	L	Key ...	C
Version	In Process						
Save	Saved						
Revised Version	Active Version						
Object Status	Active, executable						
Name				CHAR	35		
Customer number				CHAR	10		
First telephone number				CHAR	16		
Company code				CHAR	04		

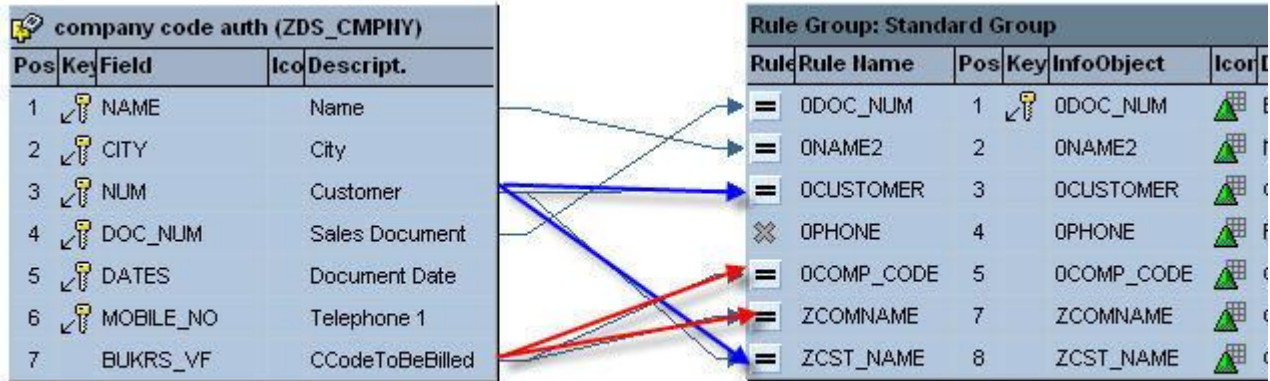
The second screenshot shows the 'Insert InfoObjects' dialog box. The 'InfoObject' field contains 'ZCOMNAME' and 'ZCST_NAME'. The 'Long description' field contains 'Company Name' and 'Customer Name'. The 'Status' field contains a green triangle icon.


InfoObject	Long description	Status
ZCOMNAME	Company Name	
ZCST_NAME	Customer Name	

InfoObject ZCOMNAME and ZCST_NAME are inserted into DSO ZDSO_CC, click on save and activate infoProvider.

Step 3: Transformation and Loading

In Transformation (), Map this custom created characteristic with the same source fields for which characteristics with master data/text are mapped as shown in the below image. Click  and  activate.
 e.g. 0COMP_CODE and ZCOMNAME ---> BUKRS_VF
 0CUSTOMER and ZCST_NAME ---> NUM



Execute DTP  to load data into infoProvider, now data in ZCOMNAME and ZCST_NAME will be copy of data in 0COMP_CODE and 0CUSTOMER as shown in below image:

0COMP_CODE	ZCOMNAME	0CUSTOMER	ZCST_NAME	0DOC_NUM
1000	1000	0000001001	0000001001	0000005347
1000	1000	0000002000	0000002000	0000005349
1000	1000	0000001360	0000001360	0000005354
1000	1000	0000001900	0000001900	0000005359
1000	1000	0000001360	0000001360	0000005365
1000	1000	0000001360	0000001360	0000005366
1000	1000	0000001172	0000001172	0000005369
1000	1000	0000001360	0000001360	0000005379
1000	1000	0000001900	0000001900	0000005382
1000	1000	0000001175	0000001175	0000005383
1000	1000	0000001001	0000001001	0000005384
1000	1000	0000001172	0000001172	0000005387
1000	1000	0000001032	0000001032	0000005390

If Query is based on MultiProvider, then select these characteristics into multiProvider and assign it, in order to use these characteristics in Query designer as shown in below image

Identification of Participating Characteristics / Nav. Attr.

InfoObject: ZCST_NAME

Long description: Customer Name

Reference InfoObject: 0CUSTOMER

Assignment for: <All Involved Providers>

Identification of Characteristic/Nav. Attribute				
InfoProvider	Dimension		InfoObject/Nav.Attr.	Description
company code	Data part	<input type="checkbox"/>	0CUSTOMER	Customer I
		<input checked="" type="checkbox"/>	ZCST_NAME	Customer I

Repeat the above steps for ZCOMNAME. Save and Activate MultiProvider.

Step 4: Query Design

In Query designer, select InfoProvider on which query has been created and insert those custom 'Z' characteristics into rows.

Keep properties as shown in below images:

- Characteristics with Master data /text Display as Key
- Characteristics created with reference to Master Characteristics Display as Text

Display properties for 0COMP_CODE and ZCOMNAME:

Rows

- [0COMP_CODE] Company code
- [ZCOMNAME] Company Name
- [0CUSTOMER] Customer
- [ZCST_NAME] Customer Name
- [0DOC_NUM] BW: Document Number

Advanced

General Display Hierarchy

Value Display

Display as

Key

Text View

Use Characteristic Sett

Sorting

Rows

- [0COMP_CODE] Company code
- [ZCOMNAME] Company Name
- [0CUSTOMER] Customer
- [ZCST_NAME] Customer Name
- [0DOC_NUM] BW: Document Number

Advanced

General Display Hierarchy

Value Display

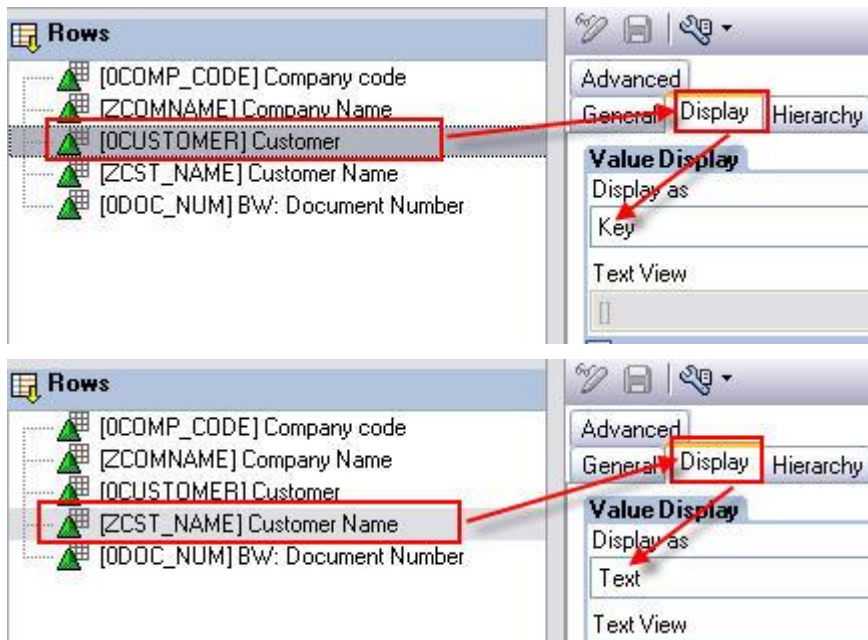
Display as

Text

Text View

Standard

Display properties for 0CUSTOMER and ZCST_NAME:



Note: 1. To display label for Text of 0CUSTOMER in query, its attribute 0NAME can be used.
 2. Adjust result display properties as per requirements, keep result display properties for Text as "Always suppress"

Query output

Company code	Company Name	Customer	Customer Name	Number of R
1000	IDES AG	1001	LAMPEN-MARKT GMBH	
		1032	INSTITUT FUER UMWELTFORSCHUNG	
		1033	KARSSON HIGH TECH MARKT	
		1100	PHUNDIX KG	
		1171	HITECH AG	
		1172	CBD COMPUTER BASED DESIGN	
		1174	MOTOMARKT STUTTGART GMBH	
		1175	ELEKTROMARKT BAMBY	
		1200	MINERVA ENERGIEVERSORGUNG GMBH	
		1300	CHRISTAL CLEAR	
		1350	NSM PUMPENTECHNIK AG	
		1360	AMADEUS	
		1400	A.I.T. GMBH	

Related Content

[Defining New Queries](#)

[Functions of the BEx Query Designer](#)

[Query Properties](#)

For more details, visit the [EDW homepage](#).

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