

422300 - Matchcode search according to name restricted to 25 chars

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Language	English	Master Language	German
Priority	Recommendations / Additional Info	Category	Consulting
Release Status	Released for Customer	Released On	13.09.2004
Component	FI-AP-AP-N (Master Data)		

Please find the original document at <https://launchpad.support.sap.com/#/notes/422300>

Symptom

You use the search help to search for vendors/customers according to their names. You enter a character string, which is to be contained in the name string, in the "Name" field. Vendors and customers that have this character string in their name after the 25th position are not found by the search help.

Other Terms

DEBI, KRED, LFA1, KNA1, ADRC, LFA1-NAME1, KNA1-NAME1, ADRC-NAME1

Reason and Prerequisites

The conversion of the vendor and customer addresses for the central address management was carried out with Release 4.5 (CAM). With the introduction of the CAM, the maintenance of the addresses was combined in a common function and consequently standardized. In the dialog maintenance, the system replaces the previous address screen for the company address with a new screen in which the subscreens of the CAM are included.

From a database technology point of view, the addresses are stored in user-defined tables; the tables of the master objects contain pointers for their assigned address data from the CAM. The tables of the CAM allow you to define substantially more address information than was possible in the vendor table LFA1 or customer table KNA1. Data from the CAM for which there is a corresponding field in the master object tables are redundantly saved in them. However, these redundantly saved fields do not necessarily have the same length in all of the database tables. This also applies to field NAME (description on the address data screen: ADDR1_DATA-NAME1). This field is defined in the ADRC, the database table of the CAM, as a character with 40 positions, whereas the corresponding field in the LFA1 or KNA1 has only 35 positions.

The reason why you can now only search for the first 25 positions of a name using the search help KRED or DEBI, is as follows:

All of the search helps work with the data of LFA1 (KNA1). Since field NAME can still contain upper-case as well as lower-case letters, another additional help construction is used here. The contents of field NAME in field MCOD1 in the LFA1 (KNA1) is defined exclusively in upper-case letters again. Field MCOD1 is used in the search help to make sure that every vendor (customer) whose name contains a character string is also found by the search help, regardless of upper-case and lower-case letters. The disadvantage, however, is that the length of MCOD1 only has 25 positions.

Solution

The following describes a modification possibility, with which you create a

user-defined search help, with which you can search in table ADRC (addresses) of the CAM via the search term NAME1. This modification only serves as a reference. You can also include additional fields in the search help. The disadvantage for this solution is that it is NOT possible to search according to the name regardless of upper and lower case as is possible for the search via the shorter matchcode fields.

As a name for the new search help, "Z_ <IhrName>" is selected as an example for the for the vendors or "Z_<IhrName2>" for the customers. As a name for the selection method, "ZZ_<IhrName_Sel>" is selected as an example for the vendors or "ZZ_<IhrName_Sel2>" for the customers. You can also select other names within the customer namespace.

1. Vendor example:

a) New creation of an included search help "Z_<Yourname>".

- Transaction: SE11 (ABAP Dictionary: Initial Screen)
- Activate the search help radio button. Create new entry "Z_<Yourname>". The system generates a create search help dialog box. Select the elementary search help and confirm your entry.
- Below data collection -> selection method, specify "ZZ_<Yourname_Sel>" as the name.
- Enter the value C (Complex dialog with value restriction) in the dialog type field.
- For the hot key value, select an entry applicable for you.
- Now enter the search help parameters:

```
Search help parameter IMP EXP LPos SPos SANz Data element
NAME1 1 1 AD_NAME1
LIFNR X X 2 2 LIFNR
```

b) Create database view "ZZ_<Yourname_Sel>".

- Transaction: SE11 (ABAP Dictionary: Initial Screen)
- Activate the radio button view.
- Select the same name you selected in the selection method, thus "ZZ_<Yourname_Sel>".
- Choose create. On the following dialog box, select database view as a view type and confirm your entry. Select an applicable short description.
- Under table, enter values "ADRC" and "LFA1".
- Enter the following condition under join condition: "ADRC-ADDRNUMBER = LFA1-ADRNR"
- Enter the following under view fields:

```
Viewfeld Table Field name
MANDT LFA1 MANDT
NAME1 ADRC NAME1
LIFNR LFA1 LIFNR
```

- Store and activate the data.

c) Assign newly included search help "Z_<Yourname>" to collective search help KRED.

- Transaction: SE11
- Activate the search help radio button.
- Enter value "KRED" and choose change.
- Afterwards, choose the search helps pushbutton.
- Include the "Z_<Yourname>" entry under included search helps in the search help column. Afterwards, choose the parameter assignment pushbutton. In the following dialog box, confirm the question 'Do you want the system to propose a parameter assignment?' with yes. Transfer the parameter assignment by choosing the transfer pushbutton on the following dialog box. Store and activate the data.

2. Customer example:

a) New creation of an included search help "Z_<IhrName2>".

- Transaction: SE11 (ABAP Dictionary: Initial Screen)
- Activate the search help radio button. Create new entry "Z_<IhrName2>". The system generates a create search help dialog box. Select the elementary search help and confirm your entry.
- Under "Data retrieval -> Selection method", enter "ZZ_<IhrName_Sel2>" as a name.
- Enter the value C (Complex dialog with value restriction) in the dialog type field.
- For the hot key value, select an entry applicable for you.
- Now enter the search help parameters:

```
Search help parameter IMP EXP LPos SPos SANz Data element
NAME1 1 1 AD_NAME1
KUNNR X X 2 2 KUNNR
```

b) Create database view "ZZ_<IhrName_Sel2>".

- Transaction: SE11 (ABAP Dictionary: Initial Screen)
- Activate the radio button view.
- Hier, select the same name as that of the selection method, thus ZZ_<IhrName_Sel2>.
- Choose create. On the following dialog box, select database view as a view type and confirm your entry. Select an applicable short description.
- Enter values "ADRC" and "KNA1" in the table.
- Enter the following condition under join condition: "ADRC-ADDRNUMBER = KNA1-ADRNR"
- Enter the following under view fields:

```
Viewfeld Table Field name
```

MANDT KNA1 MANDT
NAME1 ADRC NAME1
KUNNR KNA1 KUNNR

- Store and activate the data.
 - c) Assign newly included search help "Z_<IhrName2>" to collective search help DEBI.
- Transaction: SE11
- Activate the search help radio button.
- Enter value "DEBI" and then "Change".
- Afterwards, choose the search helps pushbutton.
- Add entry "Z_<IhrName2>" in column 'Search help' under included search help. Afterwards, choose the parameter assignment pushbutton. In the following dialog box, confirm the question 'Do you want the system to propose a parameter assignment?' with yes. Transfer the parameter assignment by choosing the transfer pushbutton on the following dialog box. Store and activate the data.

Software Components

Software Component	Release
SAP_APPL	45B - 45B
SAP_APPL	46B - 46B
SAP_APPL	46C - 46C

Other Components

Component	Description
FI-AR-AR-N	Master Data

This document refers to

SAP Note/KBA	Title
384833	Generic search with * for name, street, city: too few hits

This document is referenced by

SAP Note/KBA	Title
2585019	Search on vendor name is case sensitive
384833	Generic search with * for name, street, city: too few hits

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