

CDS View Example 16

Annotation EnduserText.label

Annotation @EndUserText.label: '<text>'

- This annotation is used to define (translatable) semantic **short texts (with maximum of 60 characters)** for an element of the CDS view (label text).
- You can choose the level to add the label but the higher level definitions (for example type Query) will supersede lower level (type Cube) definitions.
- See also [SAP HELP PORTAL](#).

In case this annotation is not used for a field, the system tries to retrieve from ABAP Dictionary, see [Using TransientProviders based on CDS Views in Query Designer](#).

See also

- [Language Dependent / Time Dependent Text in CDS](#).
- A detailed discussion of the basic concept on Analytic Queries can be found in [Embedded Reporting on ABAP CDS views](#), the usage of a certain annotations is documented with the help of corresponding examples in [CDS views: HowTo use in BW contexts](#).

CDS view of type CUBE

(1) The label 'Airline ID (characteristic)' gets displayed if no label is set in the query definition.

(2) We defined the label 'Connection number' in cube level but it gets overwrite it in the query definition (see next screenshot)

```
@AbapCatalog.sqlViewName: 'ZMK_USERTEXT_F4'
@AbapCatalog.compiler.compareFilter: true
@AccessControl.authorizationCheck: #NOT_REQUIRED
@EndUserText.label: 'ZMAKA_V_ASSOCIATION'
@Analytics.dataCategory: #CUBE

define view ZMK_CDS_CUBE_4
as select from sflight
association [1..1] to ZMK_IOBJ_CONNECTION_2 as _carrid_attr on $projection.Airline = _carrid_attr.Airline
{
  @EndUserText.label: 'Airline ID (characteristic)' // Text for characteristic in drilldown
  key carrid as Airline,
  @EndUserText.label: 'Connection number' // Text gets overwritten in query
  key connid as FlightConnection,
  key fldate as FlightDate, // drilldown ROWS

  @DefaultAggregation: #SUM
  seatmax as MaximumNumberOfSeats,

  _carrid_attr
}
```

CDS view of type QUERY

(1) In the parameter section, you can define the text which you would like to see in the variable screen.

(2) Use above-mentioned annotation to define a label for the column head of the select element

(3) The definition in query level will overwrite the definition which has been done in cube level

(4) Here you can set a label for the query name

```
@AbapCatalog.sqlViewName: 'ZMK_QUERY_TXT1'
@AbapCatalog.compiler.compareFilter: true
@AccessControl.authorizationCheck: #NOT_REQUIRED
@EndUserText.label: 'Available Flights' // Text for query name
@Analytics.query: true
@VDM.viewType: #CONSUMPTION

define view ZMK_QUERY_TEXTLABEL_1
with parameters
  @EndUserText.label: 'Airline ID (Variable)' // Text which is displayed in variable screen
  p_airline : abap.char(3)
as select from ZMK_CDS_CUBE_4
{
  /* START FREE CHARACTERISTICS */
  Airline,
  @EndUserText.label: 'NR. of Connection' // Overwrites text which is on cube level defined
  FlightConnection,
  /* END FREE CHARACTERISTICS */

  /* START ROWS */
  @AnalyticsDetails.query.axis: #ROWS
  @EndUserText.label: 'Date of Flight' // Text for characteristic (column head)
  FlightDate,
  /* END ROWS */

  /* START Columns */
  @AnalyticsDetails.query.axis: #COLUMNS
  MaximumNumberOfSeats
  /* END Columns */
}
where
(Airline=$parameters.p_airline)
```

RSRT Output

(1) Defined in the parameter section (variable screen)

(2) Characteristic label (column head)

Query Monitor

Variables 2CZMK_QUERY_TXT1 [Available Flights]

Airline ID (Variable) AA

DP_1 2CZMK_QUERY_TXT1

Information on Query

Static Filter

Dynamic Filter

Variable Values

Navigation Pane

Row Characteristics

Date of Flight

Column Characteristics

Key Figures

Free Characteristics

Airline ID (characteristic)

NR. of Connection

Query Available Flights

Up-to-Dateness of Data: 13.06.2019 08:16:50 CET

Key Figures

Max. capacity econ.

Date of Flight	
04.10.2018	385
06.10.2018	330
05.11.2018	385
07.11.2018	330
07.12.2018	385
09.12.2018	330
08.01.2019	385
10.01.2019	330
09.02.2019	385
11.02.2019	330
13.03.2019	385
15.03.2019	330
14.04.2019	385
16.04.2019	330
16.05.2019	385
18.05.2019	330
17.06.2019	385
19.06.2019	330
19.07.2019	385
21.07.2019	330

Translate the label to required language (SE63)

You have set the annotation @EndUserText.label: '<text>' and now you would like to make the label language dependent then please follow the steps.

1. Open transaction SE63 and press 'Short Texts' from the toolbar

Translation

Initial Screen: Translation Editor

My Worklist

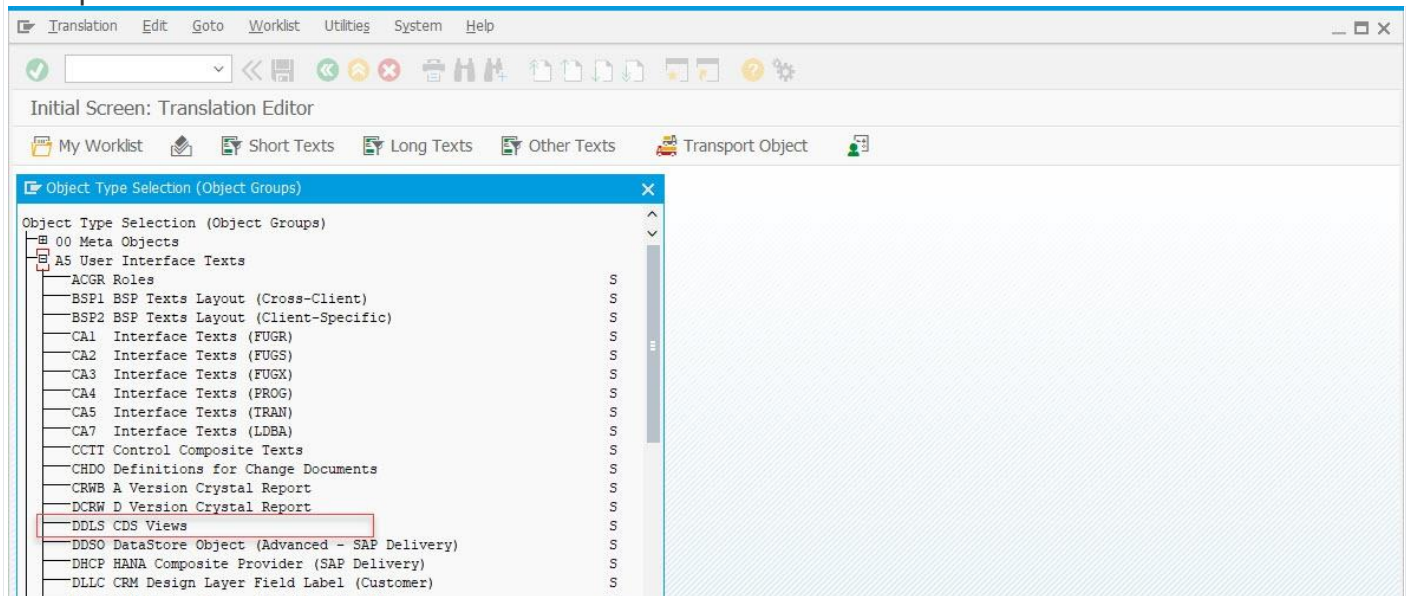
Short Texts

Long Texts

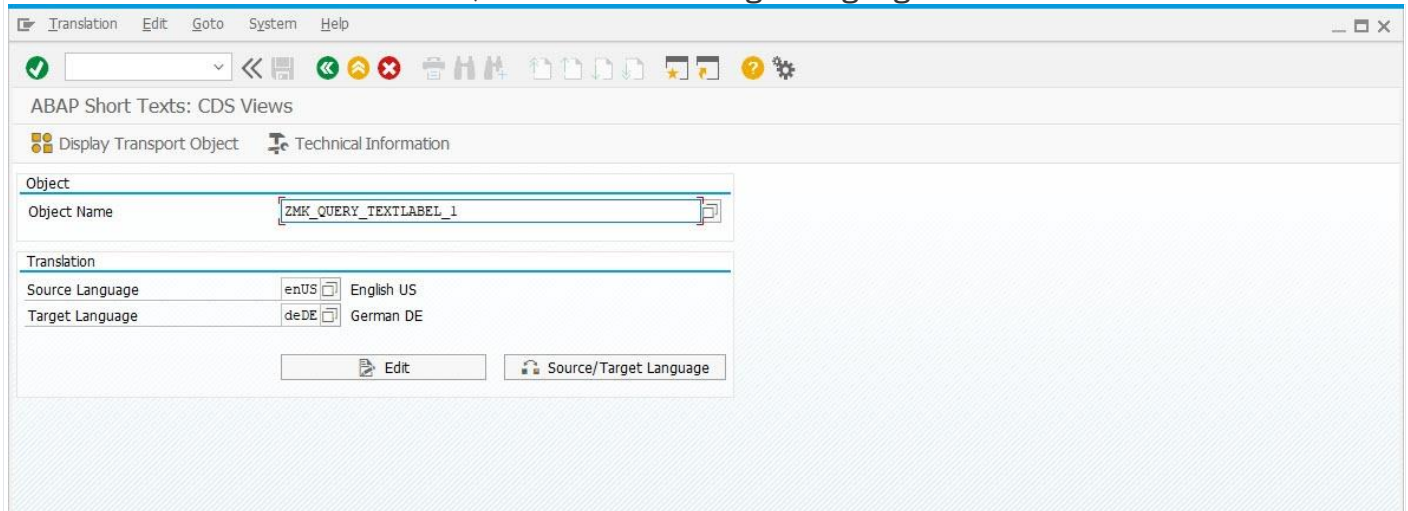
Other Texts

Transport Object

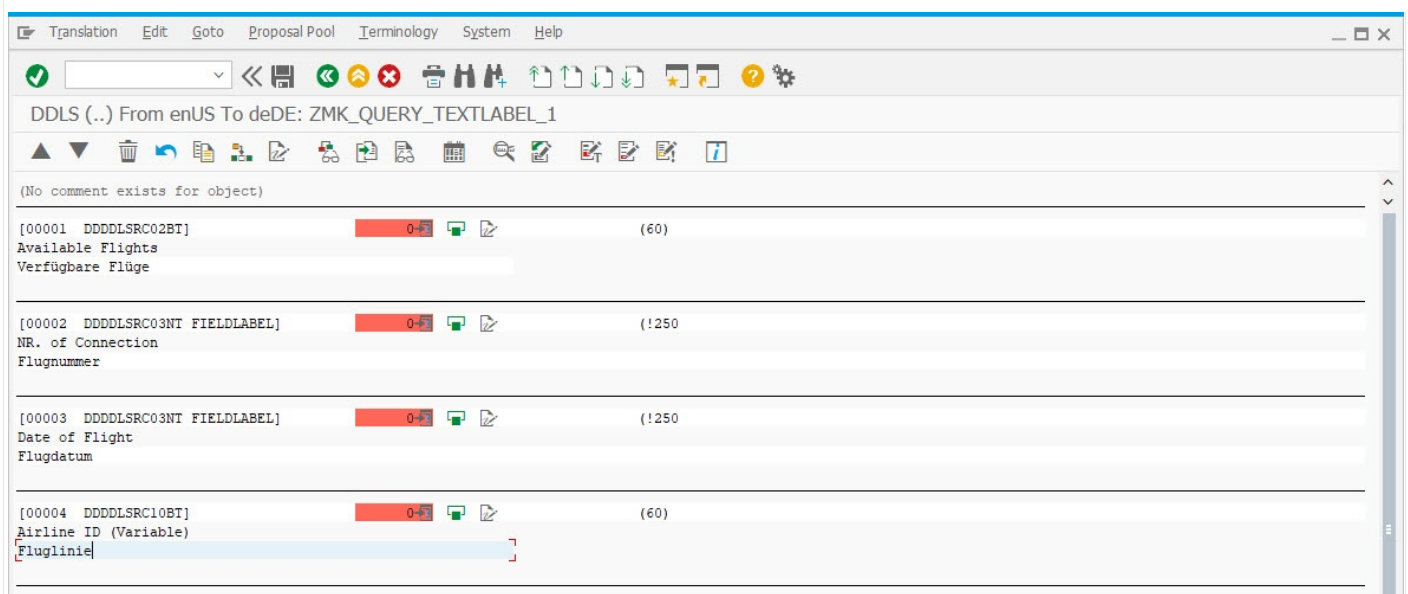
2. Expand node User Interface Texts and double click on sub-element DDLS CDS Views.



3. enter the name of DDL Source, the source and target language.



4. Change the text



Language Dependent / Time Dependent Text of characteristic values

We discussed in this page how you can define and translate labels for fields. In case you need more information about texts assigned to values of fields(in BW language: master data values of a characteristic) please read the following WIKI page:

- [Language Dependent / Time Dependent Text in CDS](#)