

ODATA Classic Search Help in a Fiori Elements APP

Result looks like:

Währung:

Währung

AUS LISTE AUSWÄHLEN

BEDINGUNGEN DEFINIEREN

Start

Elemente

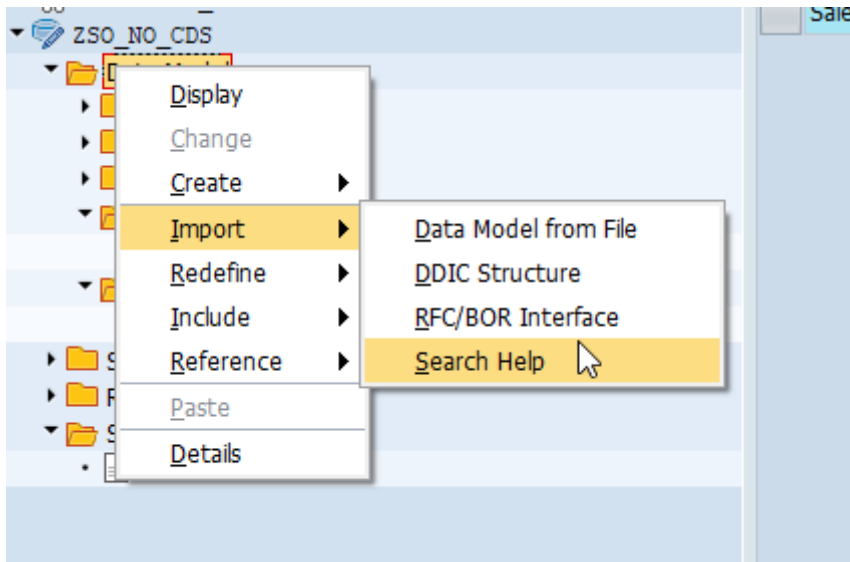
| <input type="checkbox"/> | Currency | Kurztext | Langtext |
|--------------------------|----------|----------------|------------------------------|
| <input type="checkbox"/> | HNL | Lempira | Honduranische Lempira |
| <input type="checkbox"/> | HRK | Kuna | Kroatische Kuna |
| <input type="checkbox"/> | HTG | Gourde | Haitianische Gourde |
| <input type="checkbox"/> | HUF | Forint | Ungarischer Forint |
| <input type="checkbox"/> | IDR | Rupiah | Indonesische Rupiah |
| <input type="checkbox"/> | IEP | Irisches Pfund | Irisches Pfund (alt --> EUR) |
| <input type="checkbox"/> | ILS | Schekel | Israelische Schekel |
| <input type="checkbox"/> | INR | Rupee | Indian Rupee |
| <input type="checkbox"/> | IQD | Dinar | Irakische-Dinar |
| <input type="checkbox"/> | IRR | Rial | Iranische Rial |

Keine Elemente ausgewählt

OK

Abbrechen

Create New Entity, and Entity Set with the choosen search help:



SAP Gateway Service Builder

Properties

| Name | Key | Edm Core Type | Prec. | Scale | Max. | Unit | Property Name | Crea. | Upd. | Sort. | Null. | Flt. | Label | Lab Complex Type Name | ABAP Field Name | A | Semantics |
|-------|-------------------------------------|---------------|-------|-------|------|------|---------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------|-------------------------------------|-----------------|---|-------------------------------------|
| Waers | <input checked="" type="checkbox"/> | Edm.String | 0 | 0 | 5 | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Currency | <input checked="" type="checkbox"/> | WAERS | | <input checked="" type="checkbox"/> |
| Ktext | <input type="checkbox"/> | Edm.String | 0 | 0 | 15 | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Short text | <input checked="" type="checkbox"/> | KTEXT | | <input checked="" type="checkbox"/> |
| Ltext | <input type="checkbox"/> | Edm.String | 0 | 0 | 40 | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Long Text | <input checked="" type="checkbox"/> | LTEXT | | <input checked="" type="checkbox"/> |

SAP Gateway Service Builder

Entity Sets

| Name | Entity Type Name | Label | Lab Semantics | Crea. | Upd. | Dele. | Pag. | Add. | Sear. | Sub. | Req. |
|--------------------|------------------|-------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| CurrencySet | Currency | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| LifeCycleStatusSet | LifeCycleStatus | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| SalesOrderItemSet | SalesOrderItem | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| SalesOrderSet | SalesOrder | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

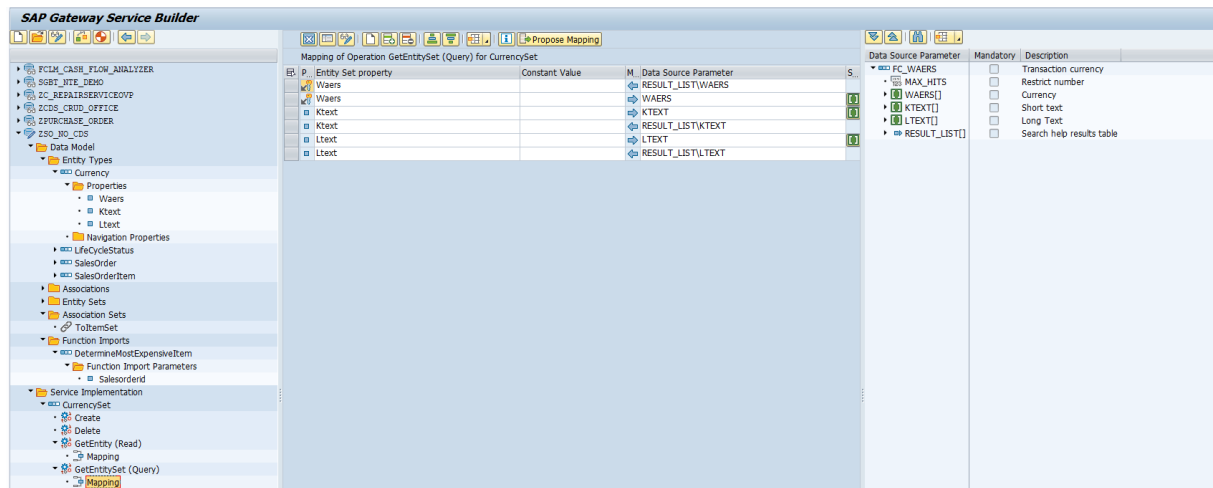
Follow the Proposal Mapping

SAP Gateway Service Builder

Mapping of Operation GetEntity (Read) for CurrencySet

| Entity Set property | Constant Value | M. | Data Source Parameter |
|---------------------|----------------|-------------------------------------|-----------------------|
| Waers | | <input checked="" type="checkbox"/> | RESULT_LIST_WAERS |
| Ktext | | <input checked="" type="checkbox"/> | RESULT_LIST_KTEXT |
| Ltext | | <input checked="" type="checkbox"/> | RESULT_LIST_LTEXT |

| Data Source Parameter | Mandatory | Description |
|-----------------------|--------------------------|---------------------------|
| FC_WAERS | <input type="checkbox"/> | Transaction currency |
| MAX_HITS | <input type="checkbox"/> | Restrict number |
| WAERS[] | <input type="checkbox"/> | Currency |
| KTEXT[] | <input type="checkbox"/> | Short text |
| LTEXT[] | <input type="checkbox"/> | Long Text |
| RESULT_LIST[] | <input type="checkbox"/> | Search help results table |



Redefine the GetEntitySet at the DPC EXT class:

```
METHOD currencyset_get_entityset.
```

```
DATA: lt_curr TYPE zcl_zso_no_cds_mpc=>tt_currency,
      ls_curr TYPE LINE OF zcl_zso_no_cds_mpc=>tt_currency,
      lr_curr TYPE RANGE OF waers_curc,
      ls_cur LIKE LINE OF lr_curr,
      lt_sh TYPE ddshselops,
      ls_sh TYPE LINE OF ddshselops.
```

```
DATA(lr_filter) = io_tech_request_context->get_filter( ).
IF lr_filter IS BOUND.
  DATA(lt_filter_so) = lr_filter->get_filter_select_options( ).
ENDIF.
```

```
IF lt_filter_so IS NOT INITIAL.
```

```
  LOOP AT lt_filter_so ASSIGNING FIELD-SYMBOL(<fs_filter_so>).
    ls_sh-shlpname = 'FC_WAERS'.
    ls_sh-shlpfield = <fs_filter_so>-property.
    LOOP AT <fs_filter_so>-select_options ASSIGNING FIELD-SYMBOL(<fs_so>).
      ls_sh-sign = <fs_so>-sign.
      ls_sh-low = <fs_so>-low.
      ls_sh-high = <fs_so>-high.
      ls_sh-option = <fs_so>-option.
      INSERT ls_sh INTO TABLE lt_sh.
      CLEAR: ls_sh-sign, ls_sh-low, ls_sh-high, ls_sh-option.
    ENDLOOP.
  ENDLOOP.
```

```
me-
>/iwbep/if_sb_gendpc_shlp_data~get_search_help_values( EXPORTING iv_shlp_name = '
FC_WAERS'
                                                         it_selopt
                                                         IMPORTING et_return_1
                                                         )
ist = DATA(lt_filter) ).
```

```
LOOP AT lt_filter ASSIGNING FIELD-SYMBOL(<fs_filter>).
CASE <fs_filter>-field_name.
WHEN 'WAERS'.
  ls_curr-waers = <fs_filter>-field value.
```

```

        WHEN 'KTEXT'.
            ls_curr-ktext = <fs_filter>-field_value.
        WHEN 'LTEXT'.
            ls_curr-ltext = <fs_filter>-field_value.
        WHEN OTHERS.
        ENDCASE.

    AT END OF record_number.
        INSERT ls_curr INTO TABLE lt_curr.
    ENDAT.
ENDLOOP.

et_entityset = lt_curr.

ELSE.

    LOOP AT it_key_tab INTO DATA(ls_key_tab).

        CASE ls_key_tab-name.
            WHEN 'Currency'.
                ls_cur-sign = 'I'.
                ls_cur-option = 'EQ'.
                ls_cur-low = ls_key_tab-value.
                CONDENSE ls_cur-low.
                INSERT ls_cur INTO TABLE lr_curr.
            WHEN OTHERS.
            ENDCASE.

        ENDLLOOP.

        SELECT a~waers, b~ktext , b~ltext
            INTO TABLE @lt_curr
            FROM tcurc AS a
            INNER JOIN tcurt AS b ON ( a~waers = b~waers )
            WHERE a~waers IN @lr_curr
                AND b~spras EQ @sy-langu.
        IF sy-subrc = 0.
            et_entityset = lt_curr.
        ENDIF.

    ENDIF.

ENDMETHOD.

```

Redefine the DEFINE method at the MPC EXT class

```

METHOD define.

    DATA : lv_namespace TYPE string,
            lr_annotation TYPE REF TO cl_fis_shlp_annotation,
            lt_dd07v      TYPE TABLE OF dd07v.

    super->define( ) .

    model->set_soft_state_enabled( iv_soft_state_enabled = abap_true ).
    model->get_schema_namespace( IMPORTING ev_namespace = lv_namespace ).

    "Create annotation for the LifeCycleStatus
    lr_annotation = cl_fis_shlp_annotation=>create(

```

```

io_odata_model          = model
io_vocan_model          = vocab_anno_model
iv_namespace            = lv_namespace
iv_entitytype           = 'SalesOrder'
iv_property              = 'Lifecyclestatus'
iv_search_supported     = abap_false
iv_valuelist_entityset   = 'LifeCycleStatusSet'
iv_valuelist_property    = 'Lifecyclestatus' ).

DATA(lr_lifecyclestatus) = model-
>get_entity_type( iv_entity_name = 'LifeCycleStatus' )-
>get_property( iv_property_name = 'Lifecyclestatus' ).
  lr_lifecyclestatus-
>set_value_list( iv_value_list_type = /iwbsp/if_mgw_odata_property=>gcs_value_list_
type_property-fixed_values ).

DATA(lr_anno) = lr_lifecyclestatus-
>/iwbsp/if_mgw_odata_annotatabl~create_annotation( iv_annotation_namespace = 'sap'
).
  lr_anno->add(
    EXPORTING
      iv_key      = 'text'
      iv_value    = 'Lifecyclestatustext' ).

  lr_lifecyclestatus = model->get_entity_type( iv_entity_name = 'SalesOrder' )-
>get_property( iv_property_name = 'Lifecyclestatus' ).
  lr_lifecyclestatus-
>set_value_list( iv_value_list_type = /iwbsp/if_mgw_odata_property=>gcs_value_list_
type_property-fixed_values ).

  lr_anno = lr_lifecyclestatus-
>/iwbsp/if_mgw_odata_annotatabl~create_annotation( iv_annotation_namespace = 'sap'
).
  lr_anno->add(
    EXPORTING
      iv_key      = 'text'
      iv_value    = 'Lifecyclestatus' ).

*****
*****
** Annotation for Currency Code
*****
*****

  lr_annotation = cl_fis_shlp_annotation=>create(
    io_odata_model          = model
    io_vocan_model          = vocab_anno_model
    iv_namespace            = lv_namespace
    iv_entitytype           = 'SalesOrder'
    iv_property              = 'Currencycode'
    iv_search_help          = 'FC_WAERS'
    iv_valuelist_entityset   = 'CurrencySet'
    iv_valuelist_property    = 'Waers' ).

  lr_annotation->add_display_parameter( iv_valuelist_property = 'Ktext' ).
  lr_annotation->add_display_parameter( iv_valuelist_property = 'Ltext' ).

ENDMETHOD.

```

Save, Regenerate the Runtime Objects at SEGW and Sync the metadata at the Web IDE

