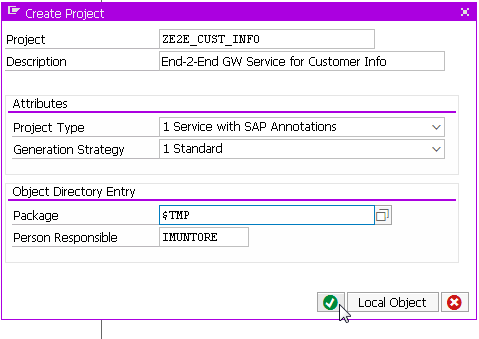
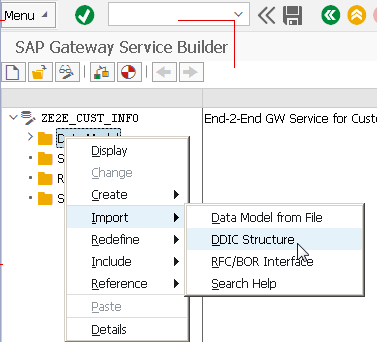
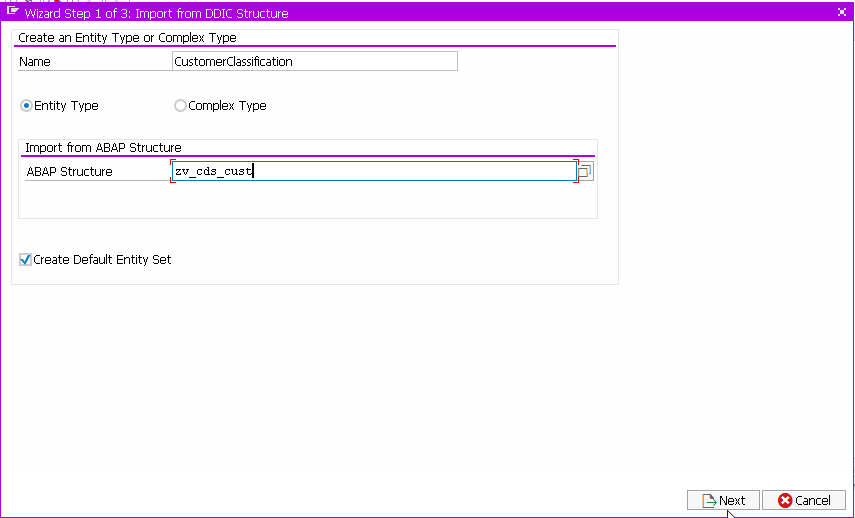
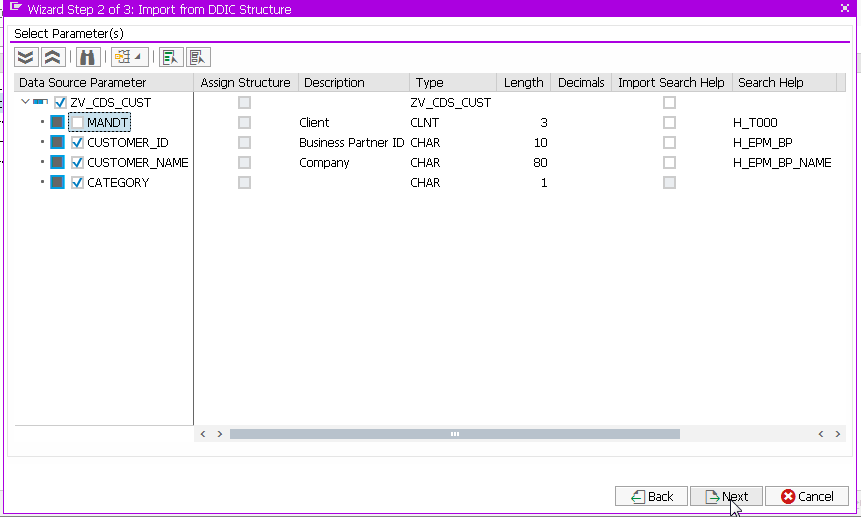
OData – Transaction SEGW

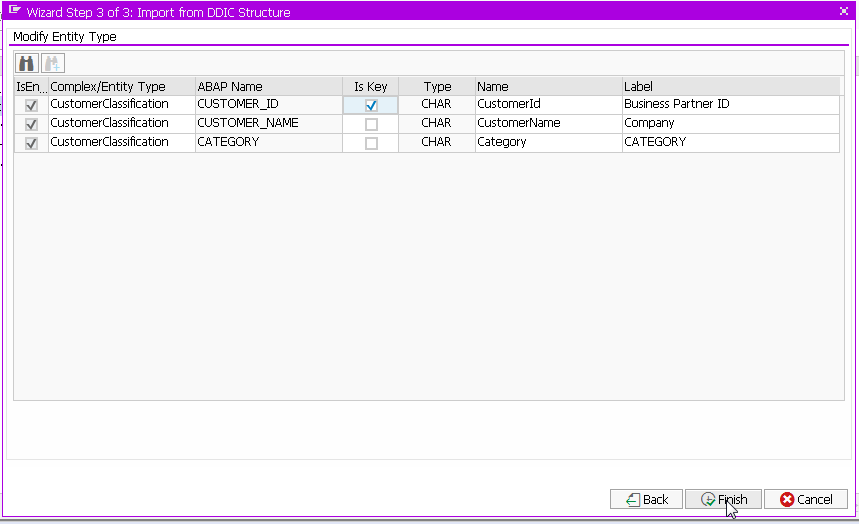


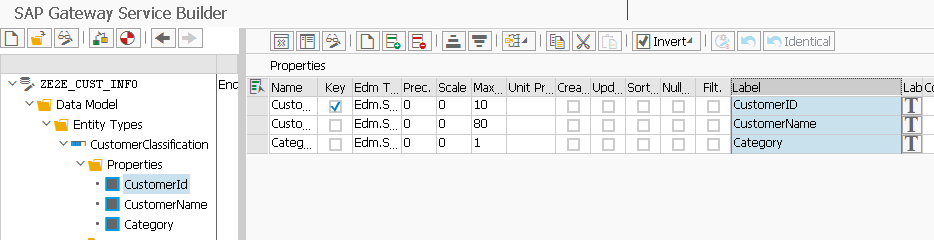
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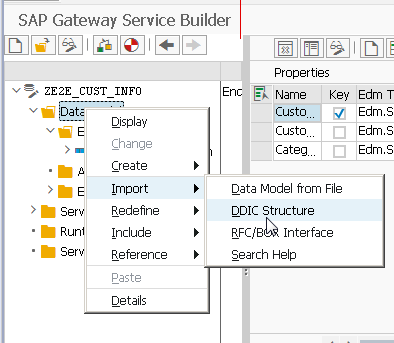


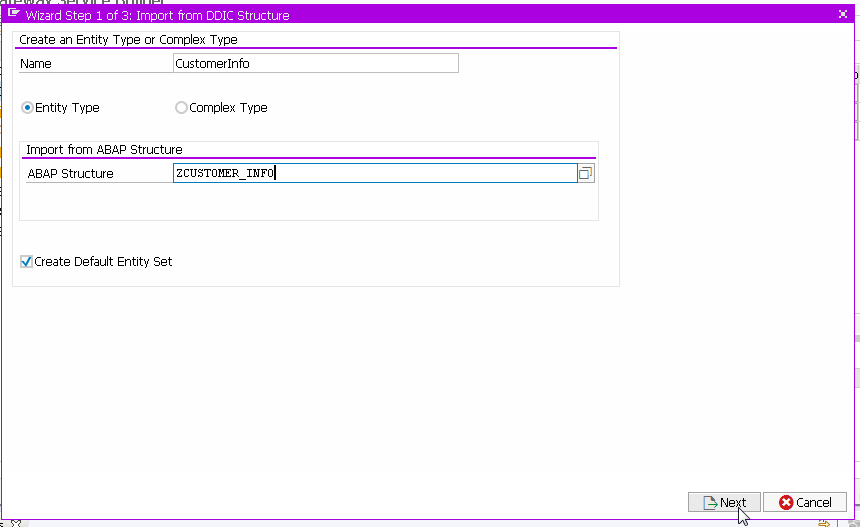


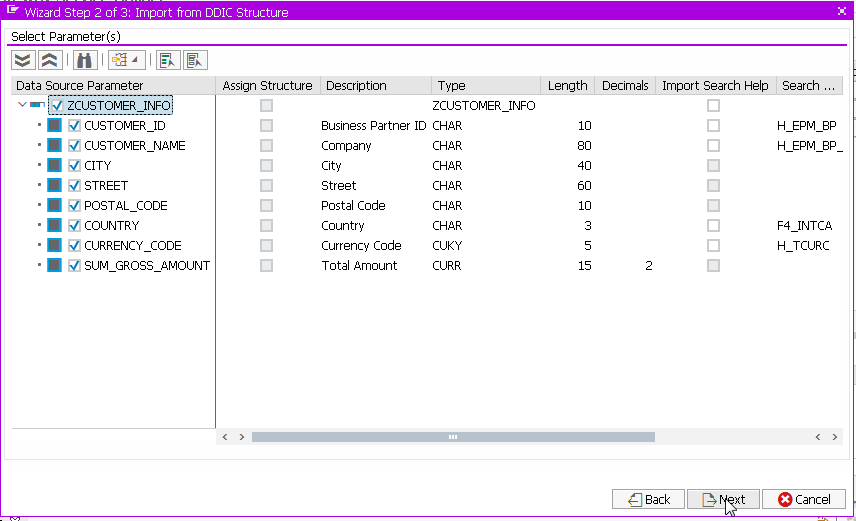


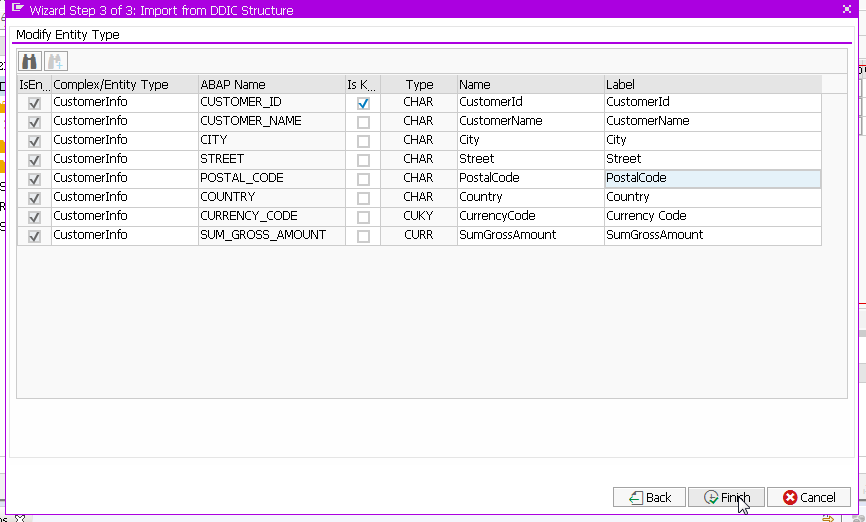


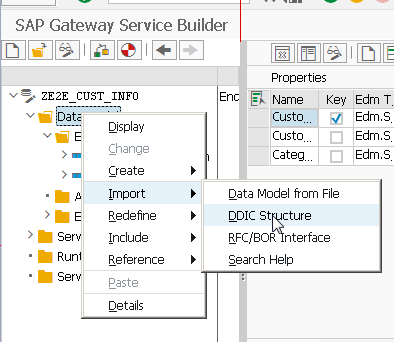


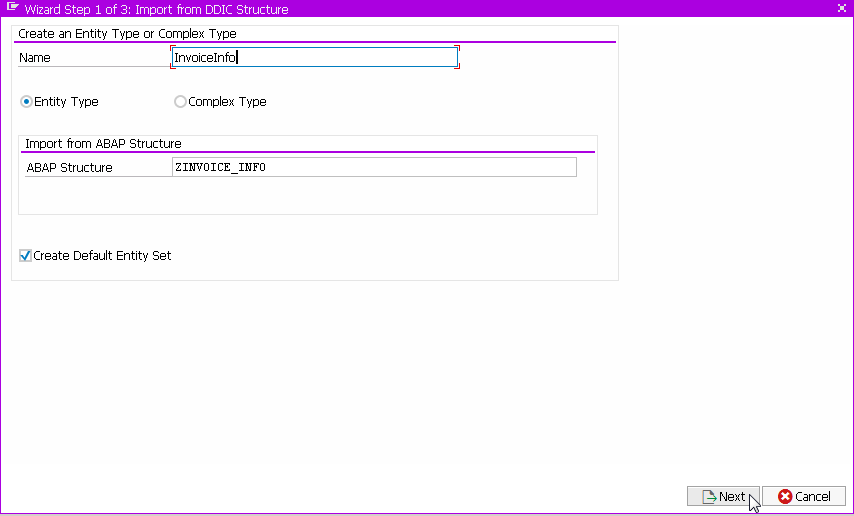


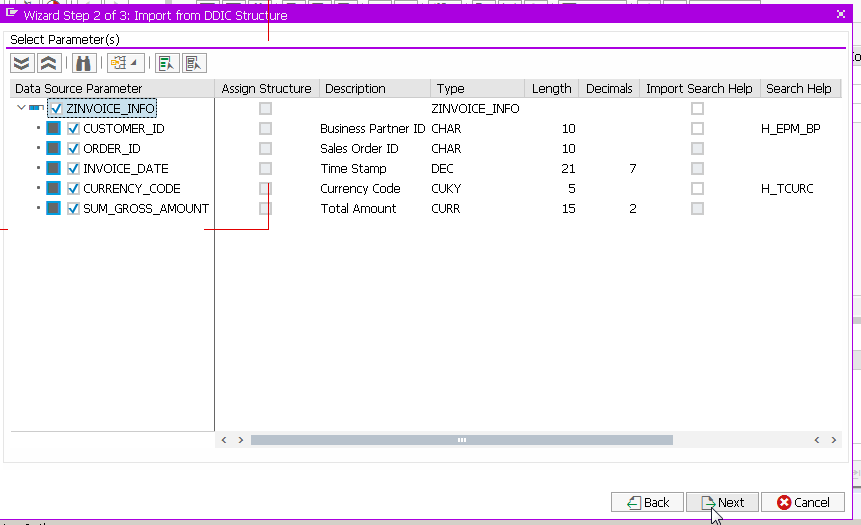


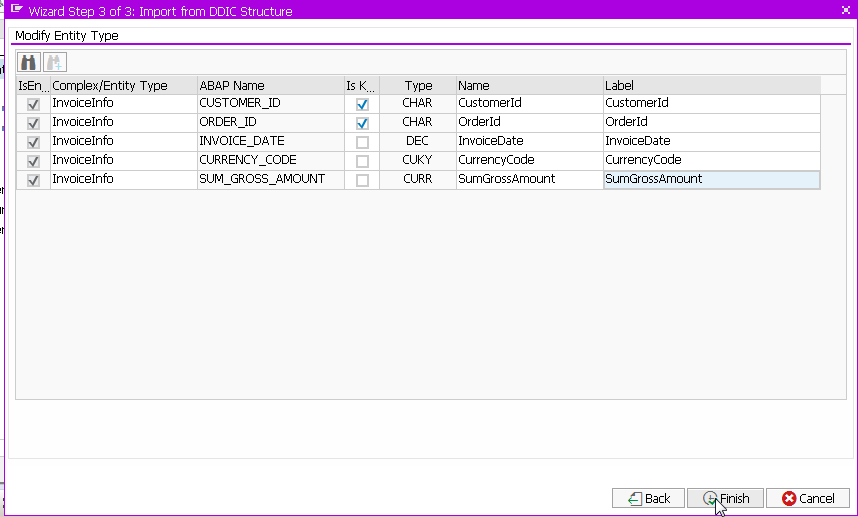


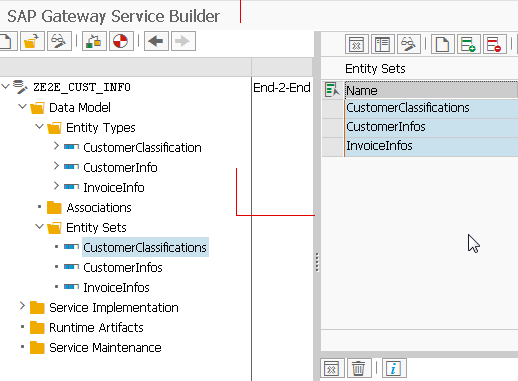




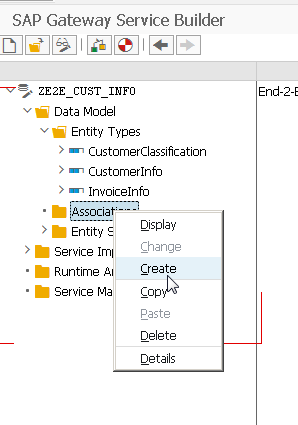


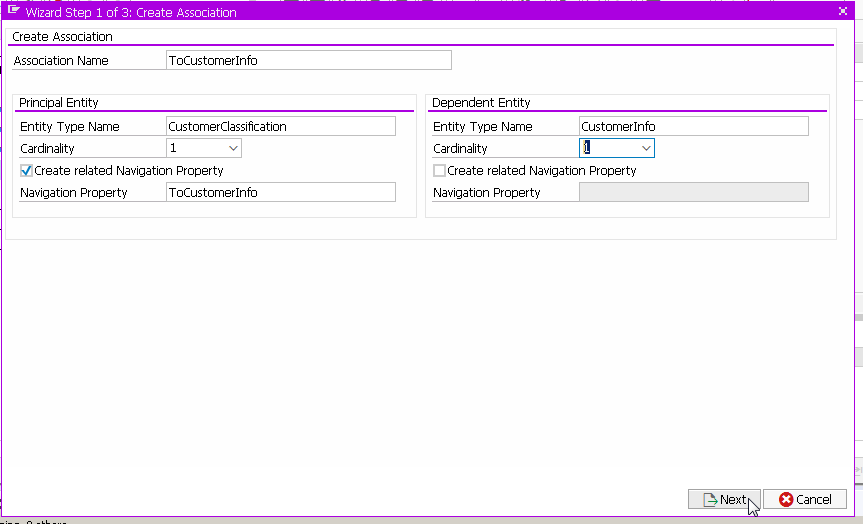


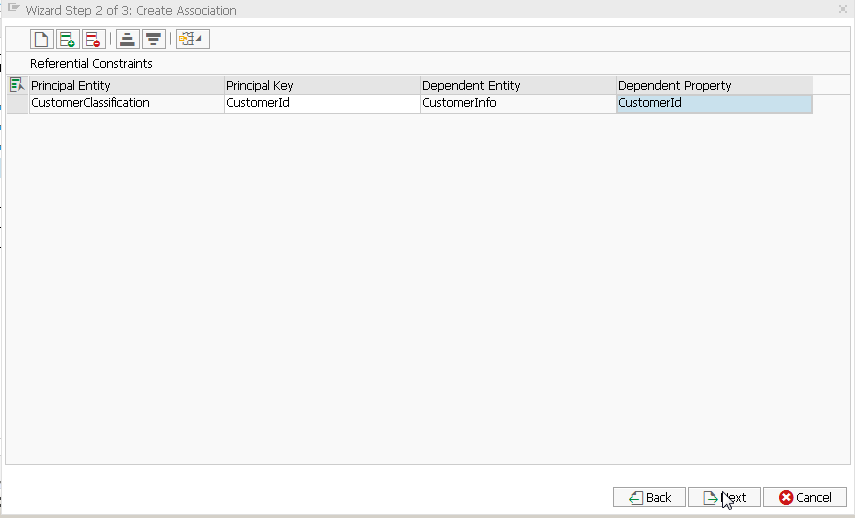


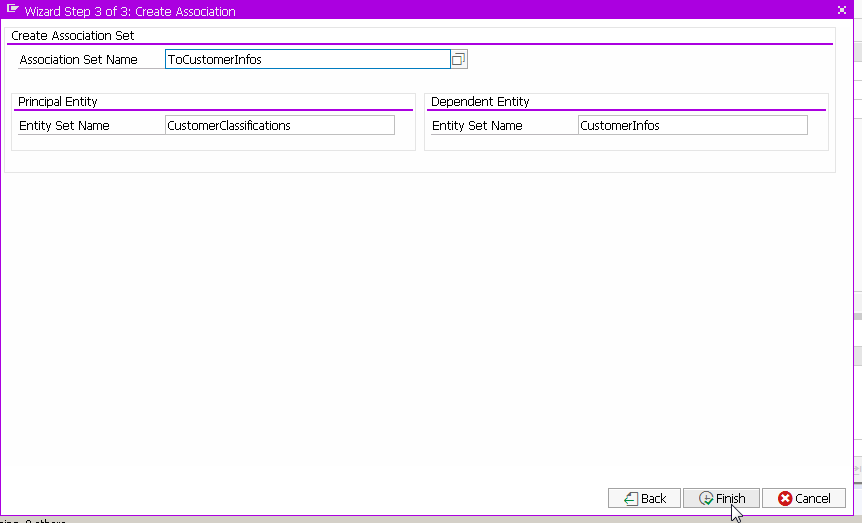


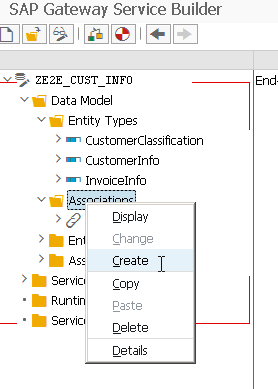
Define the relation between the entities by creating associations:

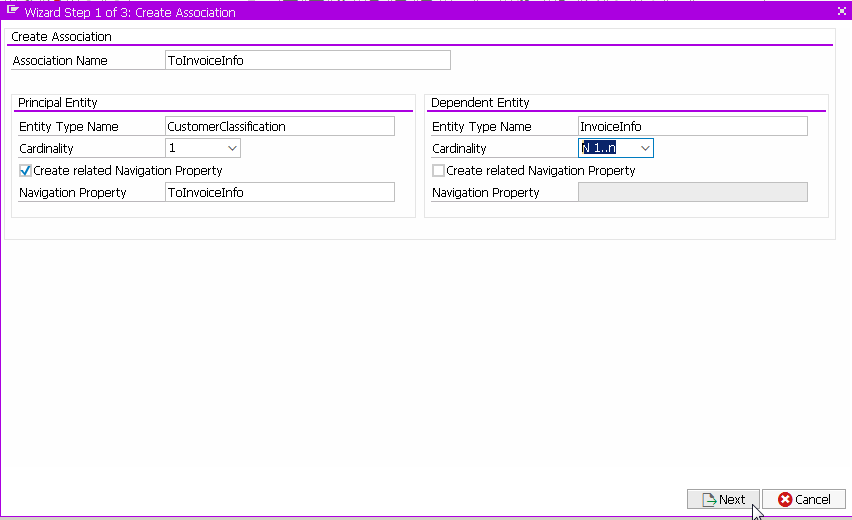


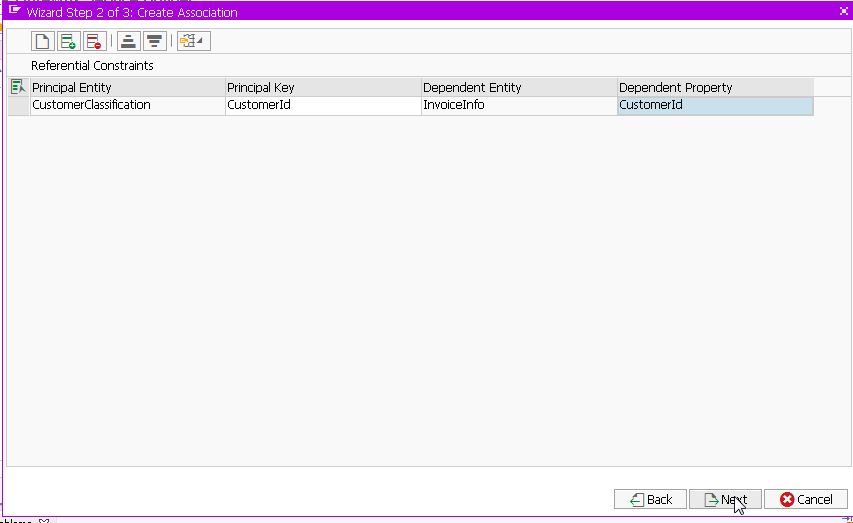


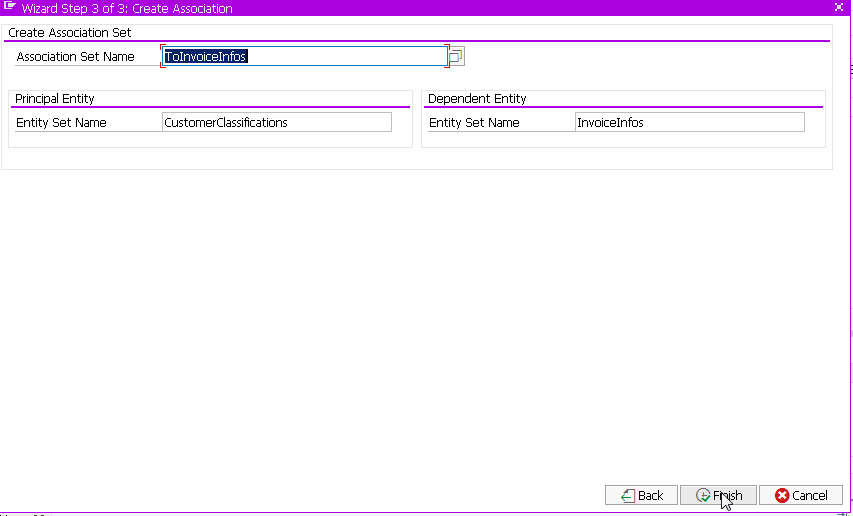




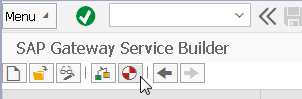


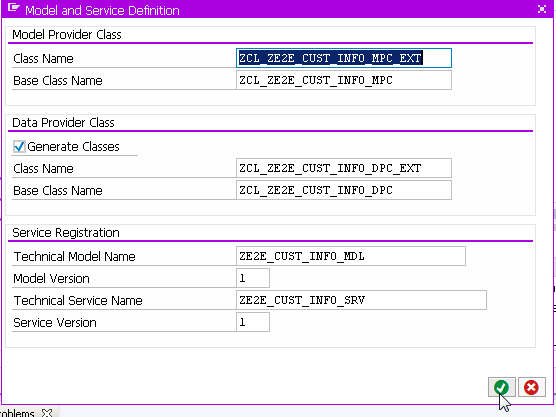


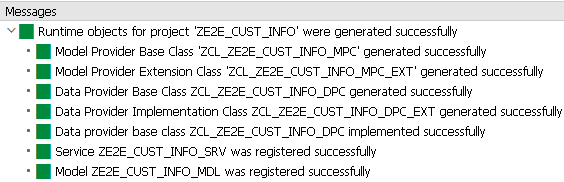




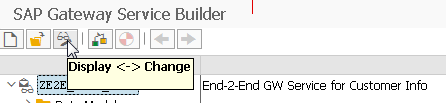
Save and Generate

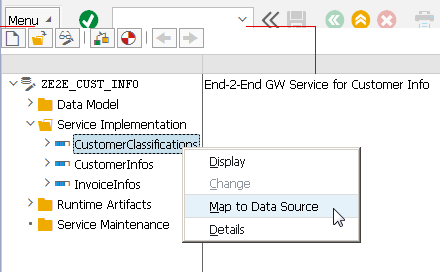


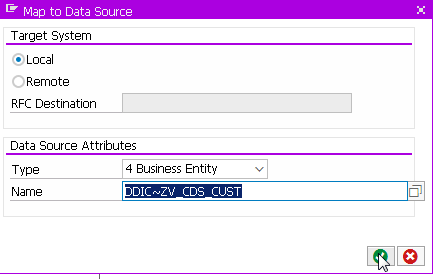


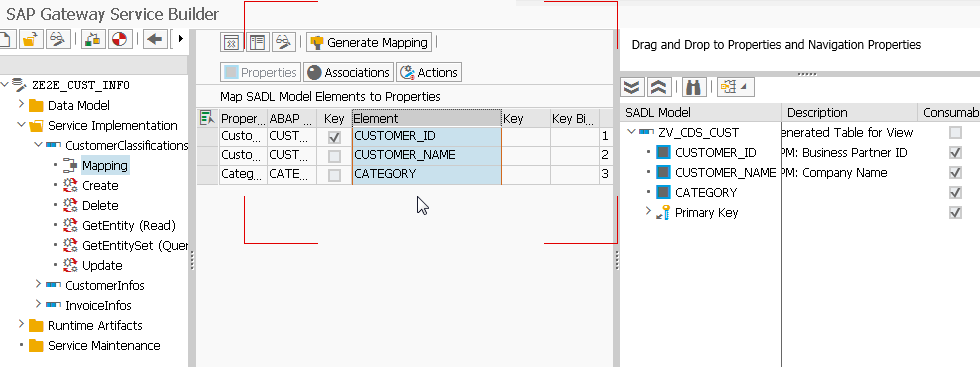


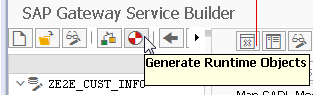
Re-open transaction and click to edit but first select the gateway service

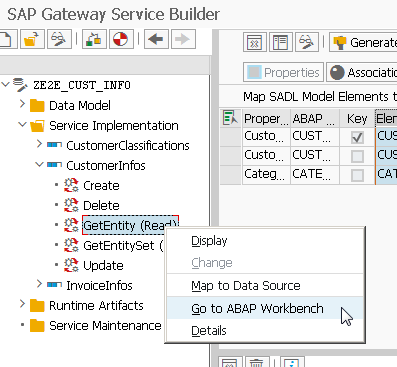


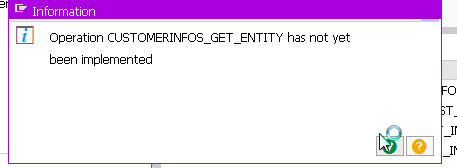


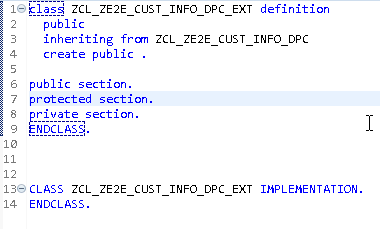




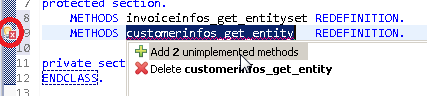


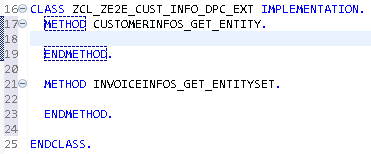






Use the quick fix to add the implementation of the methods automatically:





Code Snipet:

CLASS zcl\_ze2e\_cust\_info\_dpc\_ext DEFINITION

PUBLIC

INHERITING FROM zcl\_ze2e\_cust\_info\_dpc

CREATE PUBLIC .

PUBLIC SECTION.

PROTECTED SECTION.

METHODS invoiceinfos\_get\_entityset REDEFINITION.

METHODS customerinfos\_get\_entity REDEFINITION.

PRIVATE SECTION.

ENDCLASS.

CLASS zcl\_ze2e\_cust\_info\_dpc\_ext IMPLEMENTATION.

METHOD customerinfos\_get\_entity.

" Entity can only be accessed via the navigation property ToCustomerInfo

" of entity type CustomerClassification and if the key CustomerID is provided

IF iv\_source\_name <> zcl\_ze2e\_cust\_info\_mpc=>gc\_customerclassification.

RAISE EXCEPTION TYPE /iwbep/cx\_mgw\_tech\_exception.

ENDIF.

READ TABLE it\_key\_tab INTO DATA(ls\_key) WITH KEY name = 'CustomerID'.

IF sy-subrc <> 0.

RAISE EXCEPTION TYPE /iwbep/cx\_mgw\_busi\_exception

EXPORTING

textid = /iwbep/cx\_mgw\_busi\_exception=>filter\_not\_supported.

ENDIF.

DATA: lv\_customer\_id\_filter TYPE snwd\_partner\_id.

"Apply conversion of snwd\_partner\_id (domain D\_EPM\_ID)

CALL FUNCTION 'CONVERSION\_EXIT\_ALPHA\_INPUT'

EXPORTING

input = ls\_key-value

IMPORTING

output = lv\_customer\_id\_filter.

"Create an instance of class zcl\_customer\_open\_invoices

DATA(lo\_cust\_info) = NEW zcl\_customer\_open\_invoices( ).

"Call the ABAP managed DB procedure respectively the

"ABAP class method get\_customer\_info

lo\_cust\_info->get\_customer\_info(

EXPORTING

iv\_client = sy-mandt

iv\_bupaid = lv\_customer\_id\_filter

IMPORTING

et\_bpinfo = DATA(lt\_entity) ).

IF lines( lt\_entity ) <> 1.

RAISE EXCEPTION TYPE /iwbep/cx\_mgw\_busi\_exception

EXPORTING

message\_unlimited = | Problem in Customer Info; { lines( lt\_entity ) } <> 1 |

textid = /iwbep/cx\_mgw\_busi\_exception=>business\_error\_unlimited.

ENDIF.

"map the first row of lt\_entity to the output

er\_entity = lt\_entity[ 1 ].

ENDMETHOD.

METHOD invoiceinfos\_get\_entityset.

" Entity can only be accessed via the navigation property ToCustomerInfo

" of entity type CustomerClassification and if the key CustomerID is provided

IF iv\_source\_name <> zcl\_ze2e\_cust\_info\_mpc=>gc\_customerclassification.

RAISE EXCEPTION TYPE /iwbep/cx\_mgw\_tech\_exception.

ENDIF.

READ TABLE it\_key\_tab INTO DATA(ls\_key) WITH KEY name = 'CustomerID'.

IF sy-subrc <> 0.

RAISE EXCEPTION TYPE /iwbep/cx\_mgw\_busi\_exception

EXPORTING

textid = /iwbep/cx\_mgw\_busi\_exception=>filter\_not\_supported.

ENDIF.

DATA: lv\_customer\_id\_filter TYPE snwd\_partner\_id.

"Apply conversion of snwd\_partner\_id (domain D\_EPM\_ID)

CALL FUNCTION 'CONVERSION\_EXIT\_ALPHA\_INPUT'

EXPORTING

input = ls\_key-value

IMPORTING

output = lv\_customer\_id\_filter.

"Create an instance of class zcl\_customer\_open\_invoices

DATA(lo\_cust\_info) = NEW zcl\_customer\_open\_invoices( ).

lo\_cust\_info->get\_invoice\_info(

EXPORTING

iv\_client = sy-mandt

iv\_bpaid = lv\_customer\_id\_filter

IMPORTING

et\_invinfo = DATA(lt\_entityset) ).

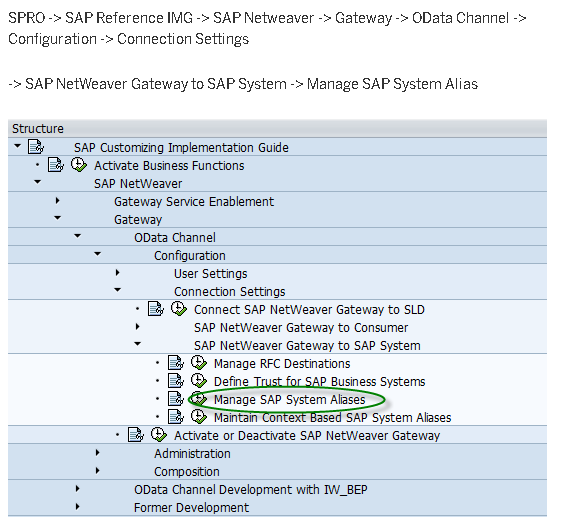
"provide the resultset of the AMDP to the tabular

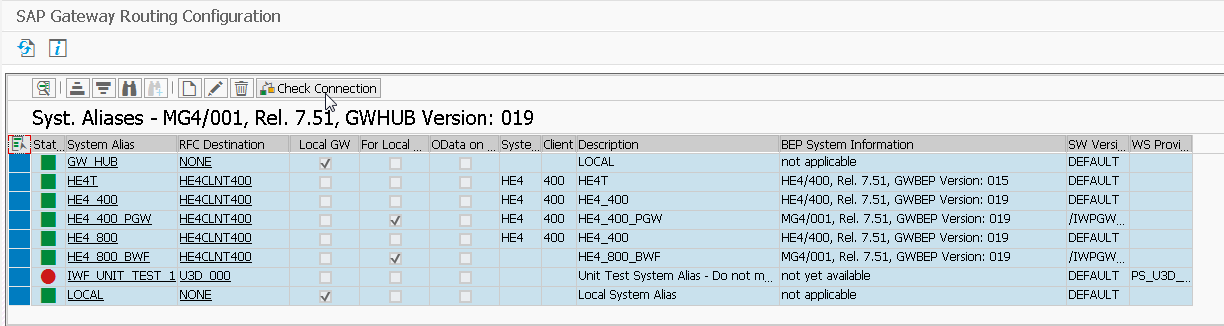
"tabular output parameter

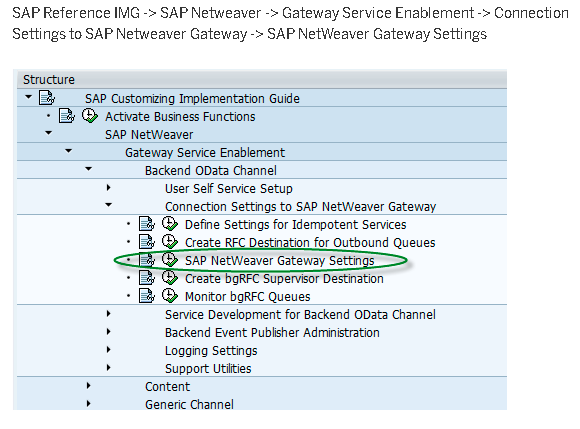
et\_entityset = lt\_entityset.

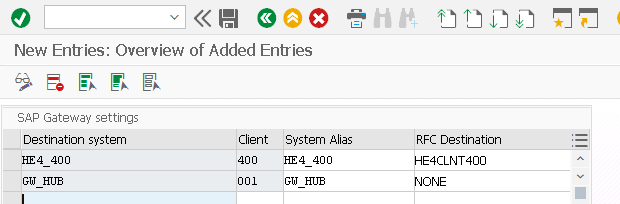
ENDMETHOD.

ENDCLASS.

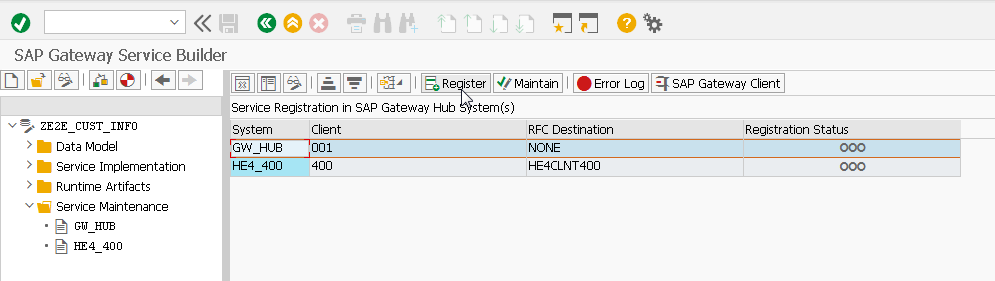


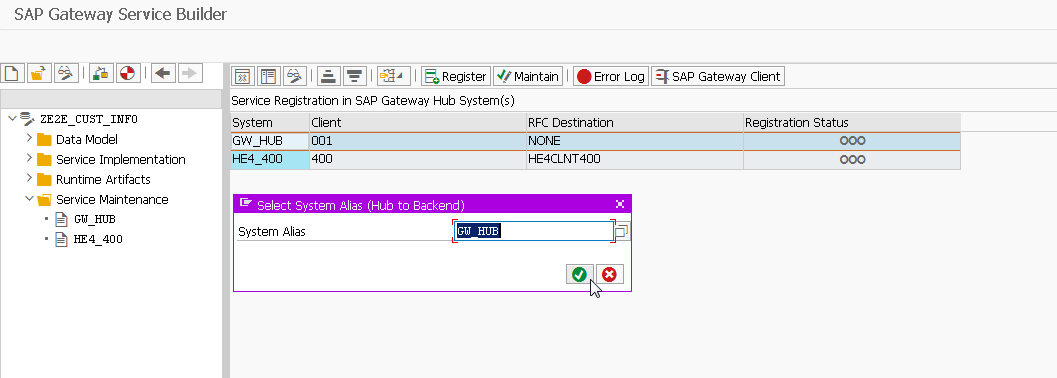


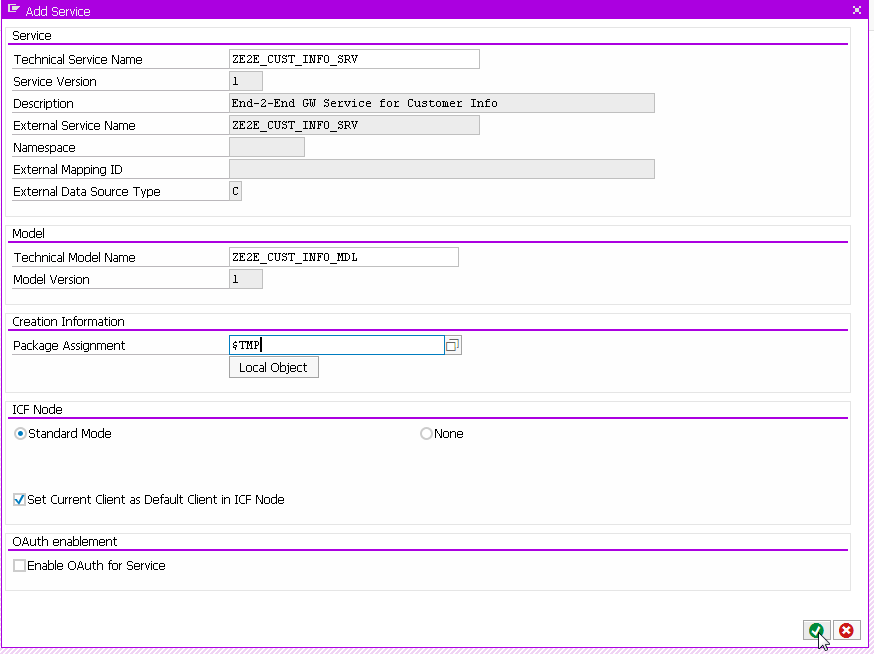


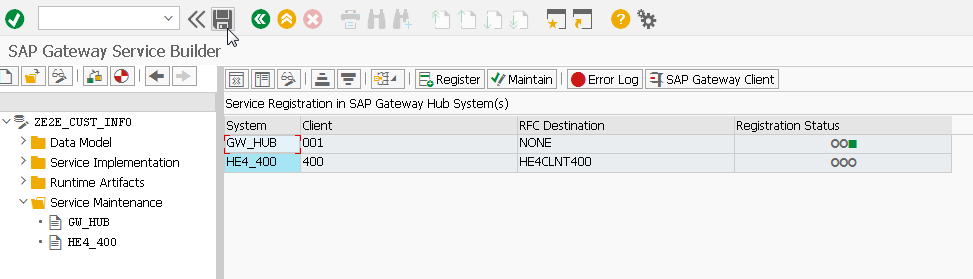


SEGW:









Testing the ODATA – Transaction /IWFND/GW\_CLIENT:

