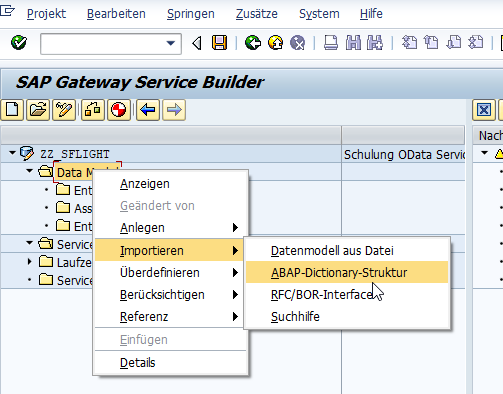
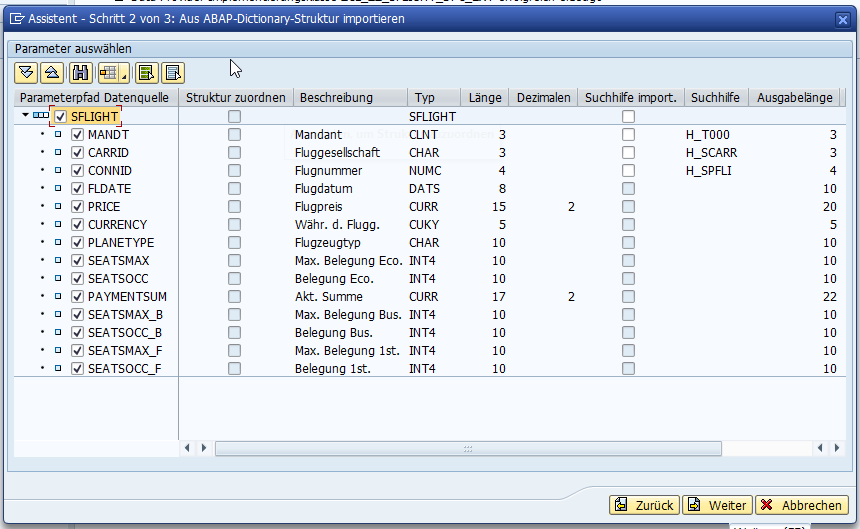
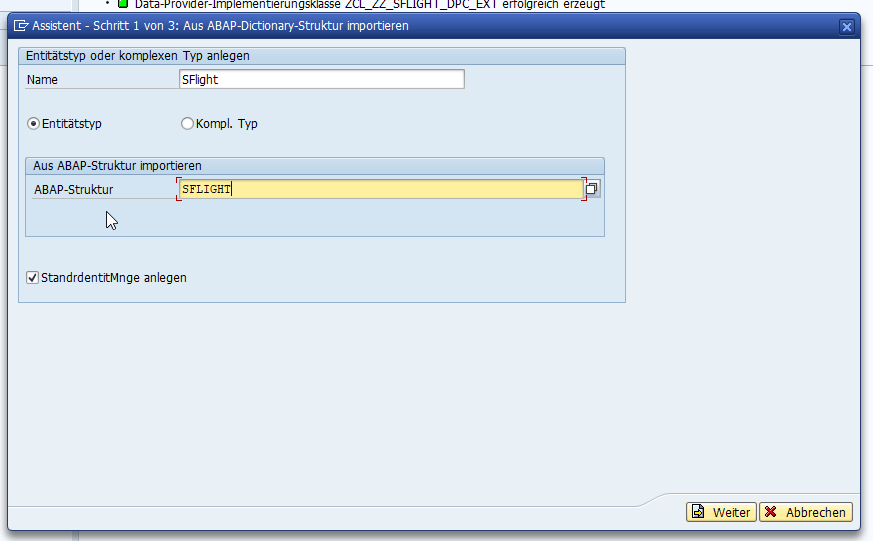
# LOE

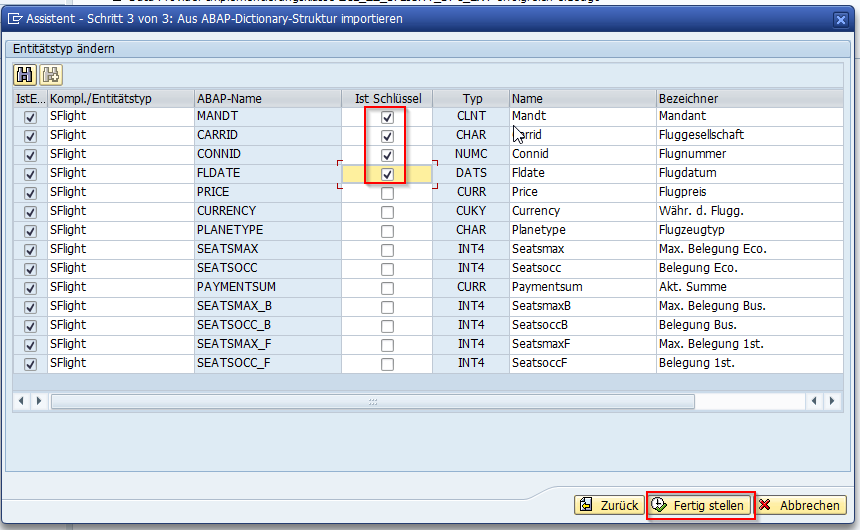
**Lösungen – Tag 03**

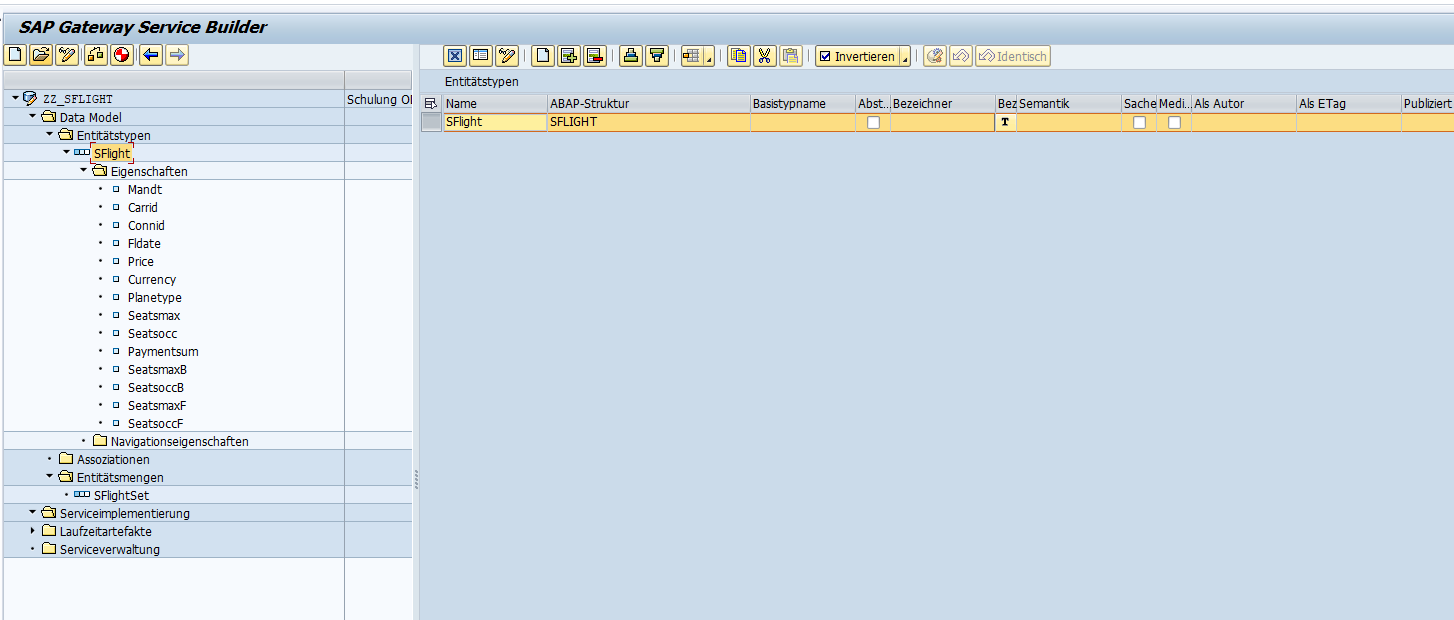
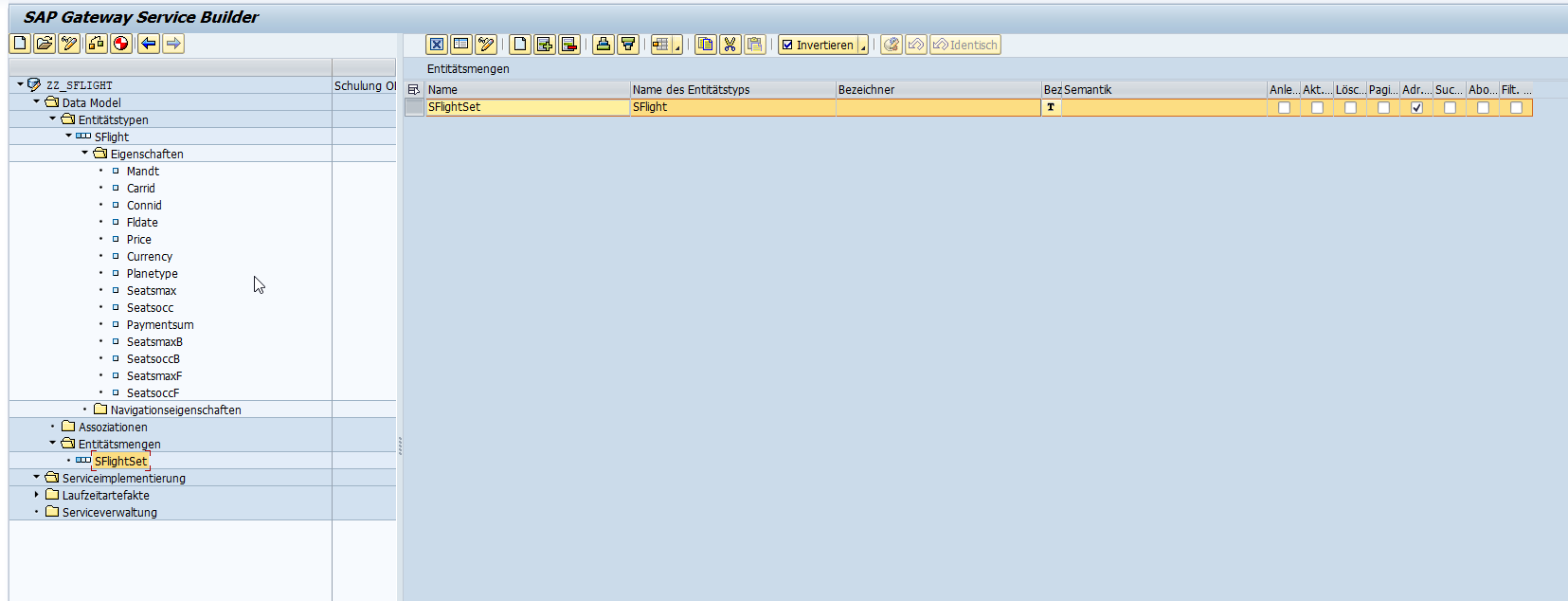
**zum Seminar 16962 (SAPUI und Fiori)**

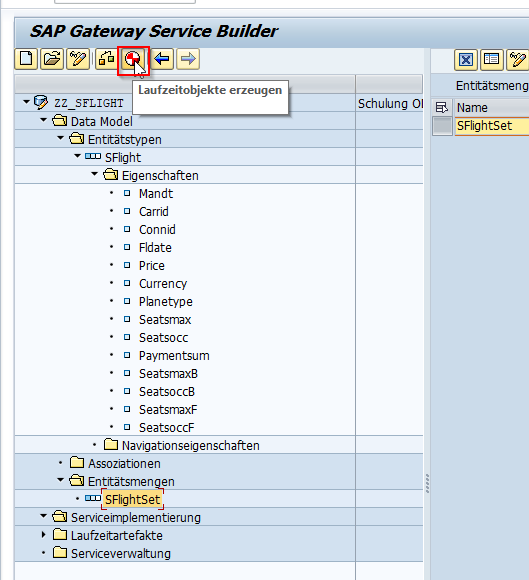
##### Lösungen 3

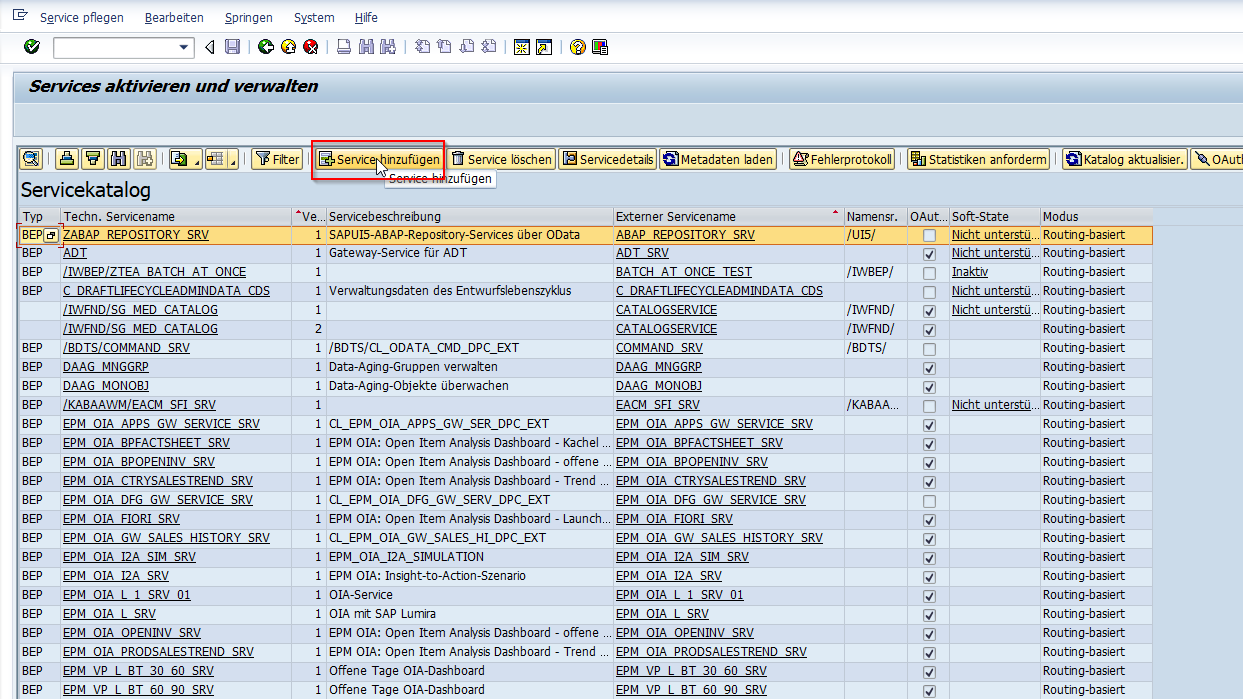
1. **Lösungen**
2. **Aufgabe 1**

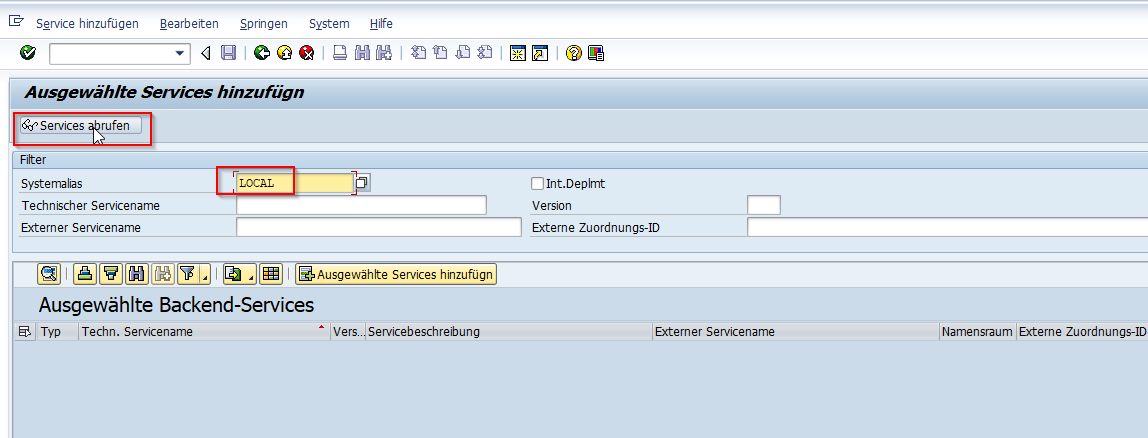
  


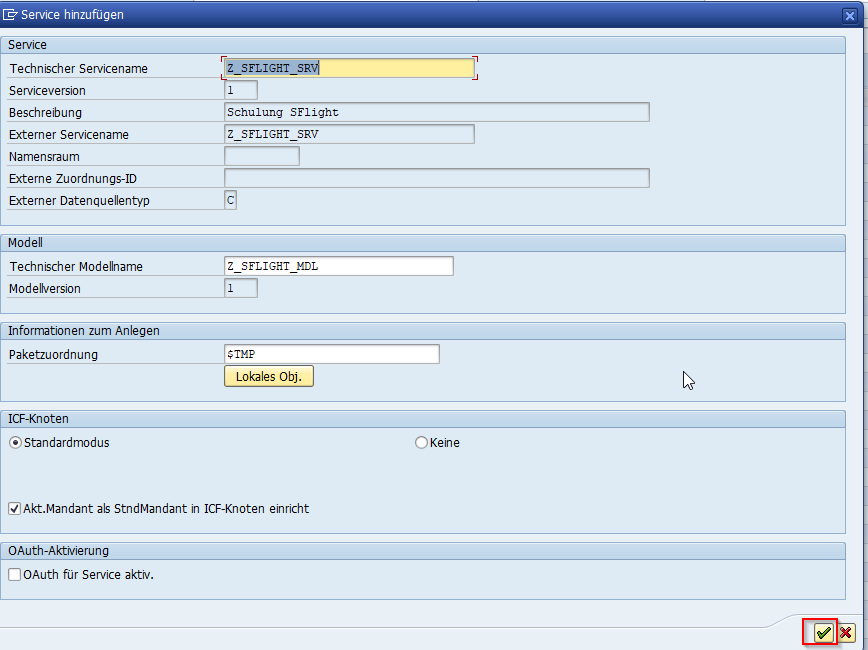
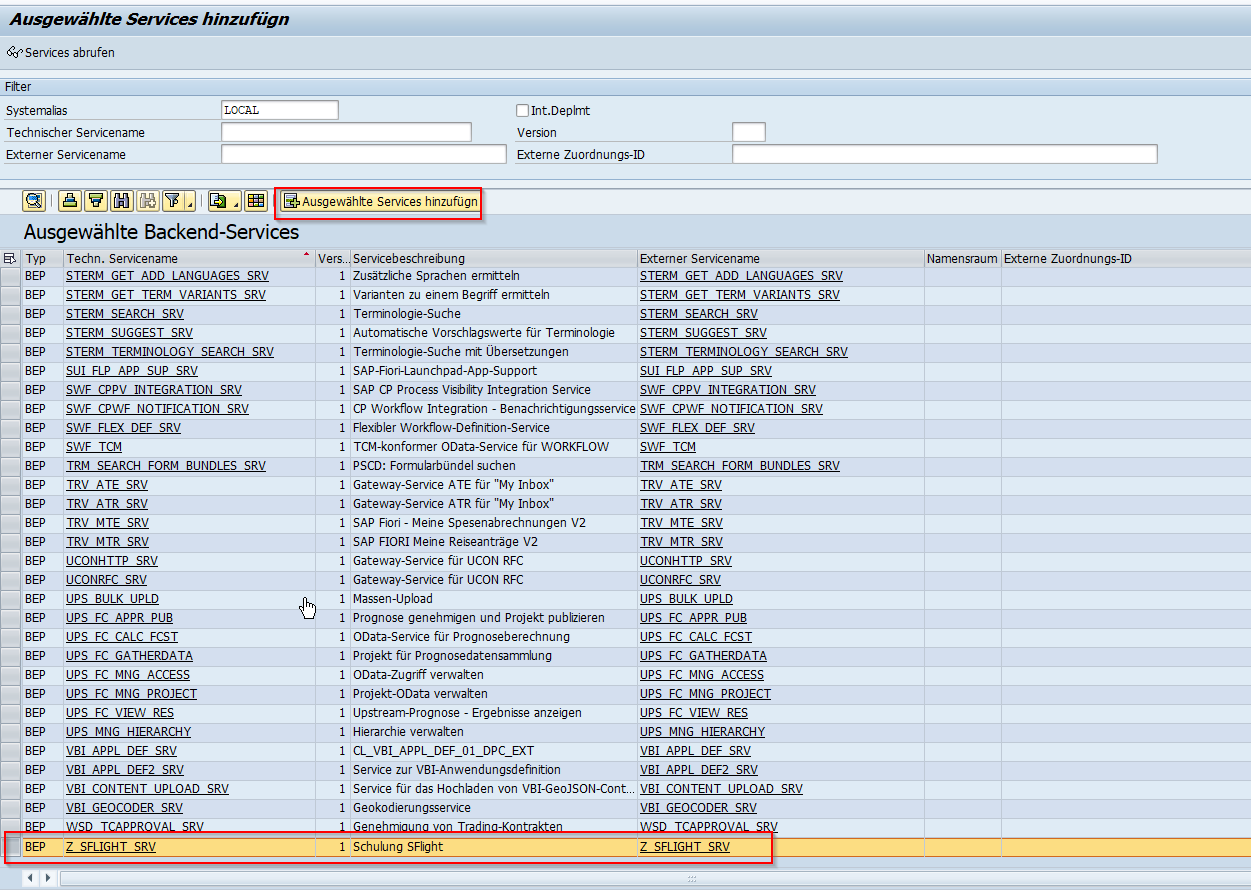
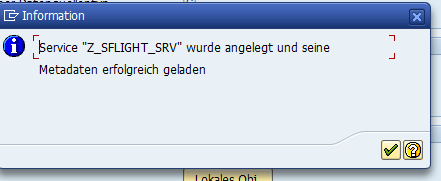


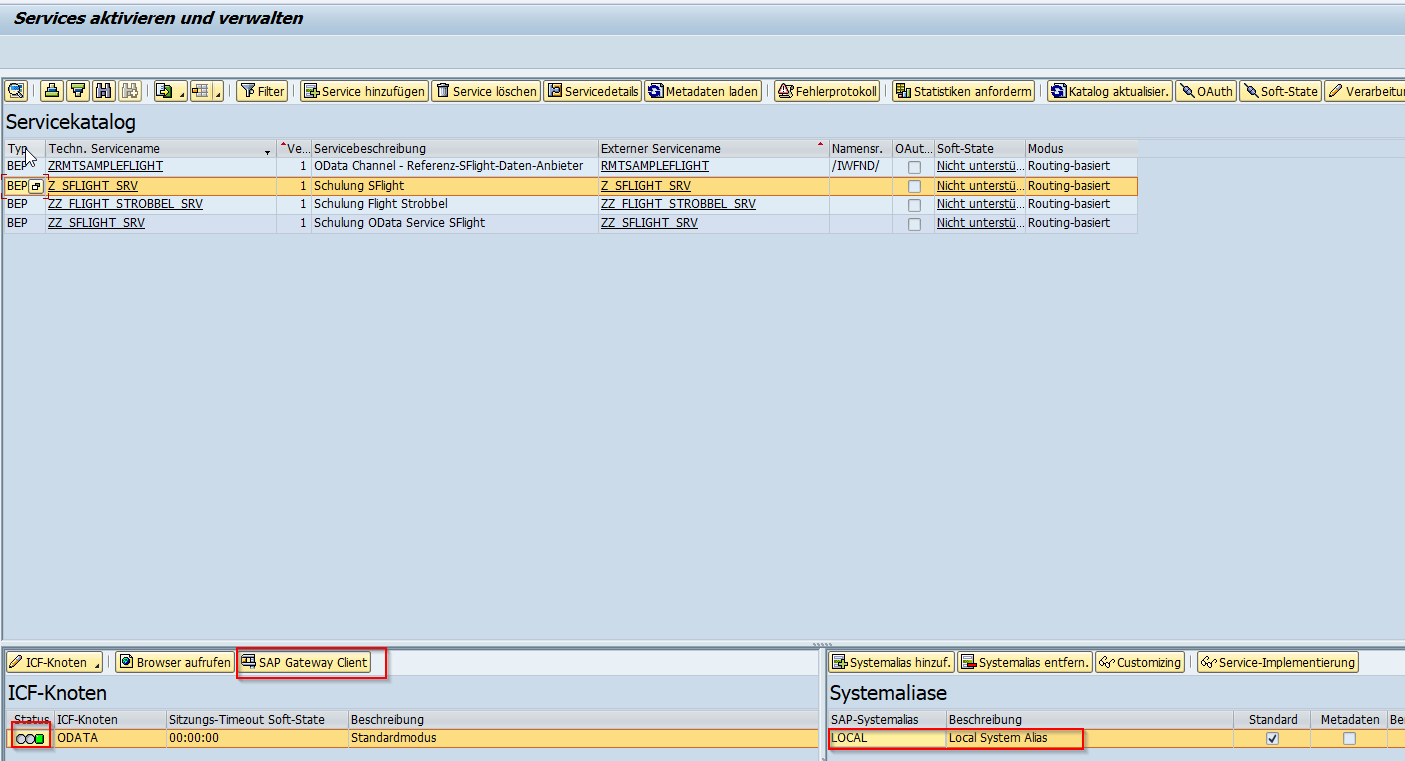
  


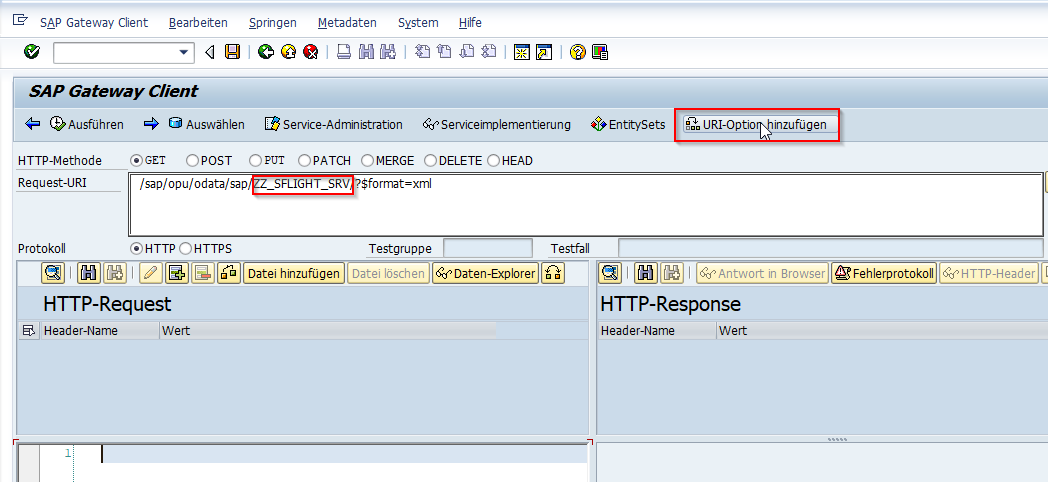


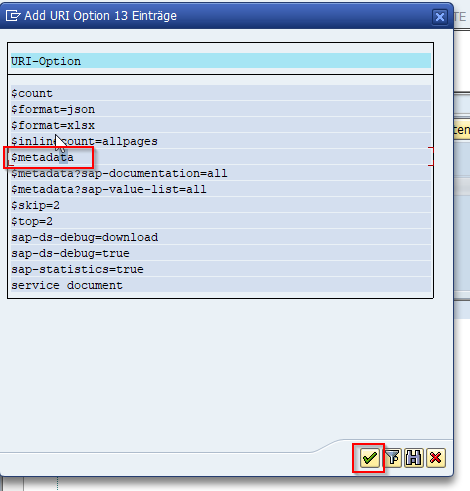


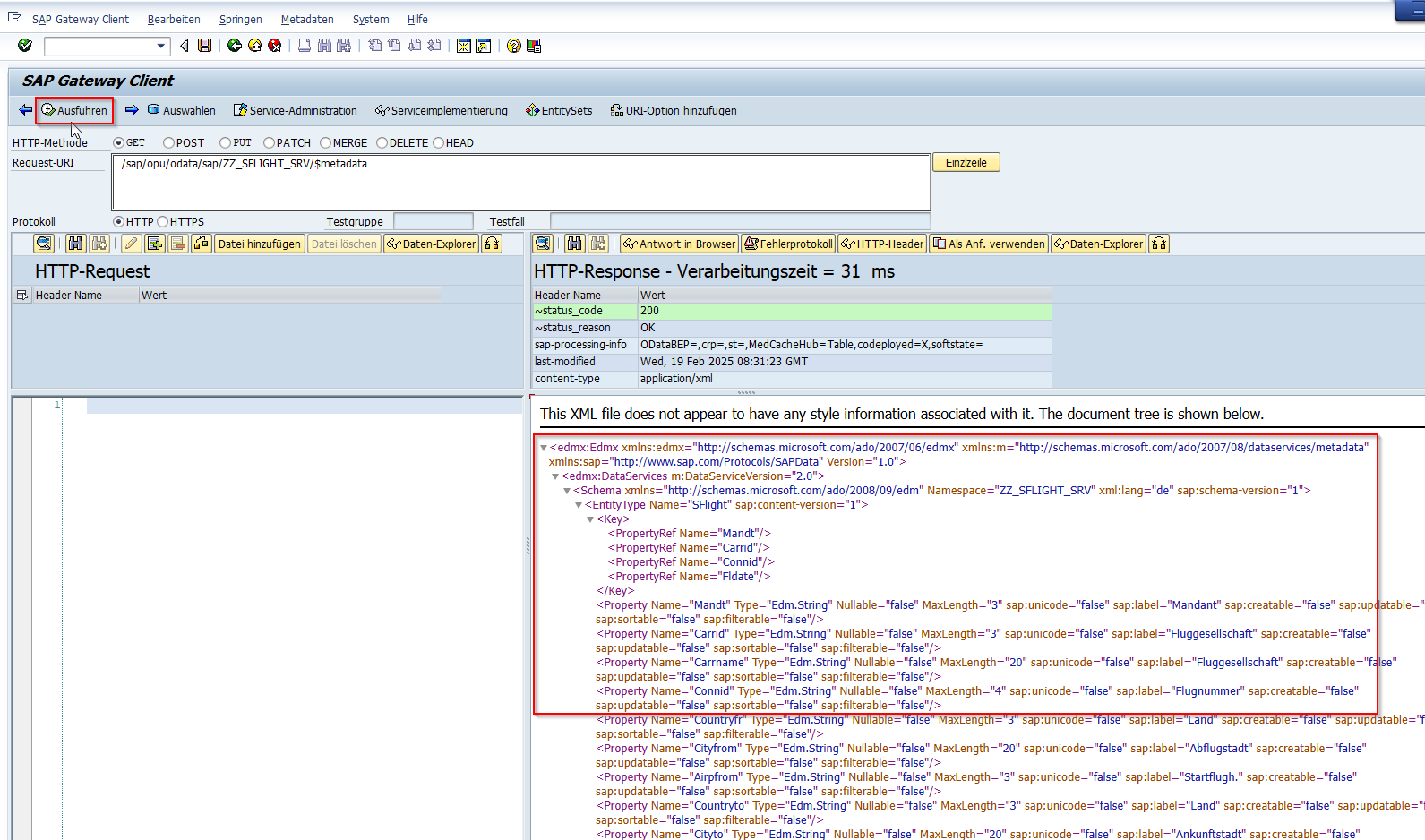










1. **Aufgabe 2**

method sflightset\_get\_entity.

loop at it\_key\_tab assigning field-symbol(<ls\_keys>).

case <ls\_keys>-name.

when 'Carrid'.

er\_entity-carrid = conv s\_carr\_id( |{ conv s\_carr\_id( <ls\_keys>-value ) alpha = in }| ).

when 'Connid'.

er\_entity-connid = conv s\_conn\_id( |{ conv s\_conn\_id( <ls\_keys>-value ) alpha = in }| ).

when 'Fldate'.

er\_entity-fldate = conv s\_date( |{ conv s\_date( <ls\_keys>-value ) }| ).

endcase.

endloop.

if er\_entity-carrid is initial or er\_entity-connid is initial or er\_entity-fldate is initial.

"Schlüsselfelder leer - wird einfach ignoriert

return.

endif.

SELECT SINGLE \* FROM sflight INTO @er\_entity

WHERE carrid = @er\_entity-carrid

AND fldate = @er\_entity-fldate

AND connid = @er\_entity-connid

.

endmethod.

method SFLIGHTSET\_GET\_ENTITYSET.

SELECT \* FROM sflight INTO TABLE @DATA(lt\_sflight).

.

IF sy-subrc <> 0.

ENDIF.

MOVE-CORRESPONDING lt\_sflight TO ET\_ENTITYSET.

endmethod.

  method sflightset\_create\_entity.

    io\_data\_provider->read\_entry\_data( importing es\_data = er\_entity ).

    if er\_entity-carrid is initial or er\_entity-connid is initial or er\_entity-fldate is initial.

      "Schlüsselfelder leer - wird einfach ignoriert

      return.

    endif.

    SELECT SINGLE carrid

      FROM sflight

      INTO @DATA(lv\_carrid)

      WHERE carrid = @er\_entity-carrid

        AND fldate = @er\_entity-fldate

        AND connid = @er\_entity-connid.

    IF sy-subrc = 0.

      "Datensatz bereits vorhanden.

      MESSAGE e028(/gkv/rm90\_ud) WITH lv\_carrid INTO DATA(lv\_dummy\_msg).

      "/gkv/rm50\_cl\_odata\_tools=>raise\_error\_message( CAST #( /iwbep/if\_mgw\_conv\_srv\_runtime~get\_message\_container( ) ) ).

      "raise exception

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

        EXPORTING

          "http\_status\_code  = iv\_http\_status\_code

          textid            = /iwbep/cx\_mgw\_tech\_exception=>internal\_error

          message\_container = CAST #( /iwbep/if\_mgw\_conv\_srv\_runtime~get\_message\_container( ) ).

    ENDIF.

    "Mappen in Datenbank-Update-Struktur

    data(ls\_db\_update) = value sflight(          carrid      = er\_entity-carrid

                                                 connid      = er\_entity-connid

                                                 fldate     = er\_entity-fldate

                                                 price      = er\_entity-price

                                                 currency   = er\_entity-currency

                                                 planetype  = er\_entity-planetype

                                                 seatsmax   = er\_entity-seatsmax

                                                 seatsocc   = er\_entity-seatsocc

                                                 paymentsum = er\_entity-paymentsum

                                                 seatsmax\_b = er\_entity-seatsmax\_b

                                                 seatsocc\_b = er\_entity-seatsocc\_b

                                                 seatsmax\_f = er\_entity-seatsmax\_f

                                                 seatsocc\_f = er\_entity-seatsocc\_f ).

    "Create

    try.

        modify sflight from ls\_db\_update.

      catch /iwbep/cx\_mgw\_busi\_exception .

      catch /iwbep/cx\_mgw\_tech\_exception .

    endtry.

  endmethod.

  method sflightset\_update\_entity.

    io\_data\_provider->read\_entry\_data( importing es\_data = er\_entity ).

    LOOP AT it\_key\_tab ASSIGNING FIELD-SYMBOL(<ls\_keys>).

      CASE <ls\_keys>-name.

        WHEN 'Carrid'.

          er\_entity-carrid = CONV S\_CARR\_ID( |{ CONV S\_CARR\_ID( <ls\_keys>-value ) ALPHA = IN }| ).

        WHEN 'Connid'.

          er\_entity-connid = CONV S\_CONN\_ID( |{ CONV S\_CONN\_ID( <ls\_keys>-value ) ALPHA = IN }| ).

        WHEN 'Fldate'.

          er\_entity-fldate = CONV S\_DATE( |{ CONV S\_DATE( <ls\_keys>-value ) }| ).

      ENDCASE.

    ENDLOOP.

    if er\_entity-carrid is initial or er\_entity-connid is initial or er\_entity-fldate is initial.

      "Schlüsselfelder leer - wird einfach ignoriert

      return.

    endif.

    SELECT SINGLE carrid

      FROM sflight

      INTO @DATA(lv\_carrid)

      WHERE carrid = @er\_entity-carrid

        AND fldate = @er\_entity-fldate

        AND connid = @er\_entity-connid.

    IF sy-subrc <> 0.

      "Datensatz existiert nicht

      MESSAGE e028(/gkv/rm90\_ud) WITH lv\_carrid INTO DATA(lv\_dummy\_msg).

      "/gkv/rm50\_cl\_odata\_tools=>raise\_error\_message( CAST #( /iwbep/if\_mgw\_conv\_srv\_runtime~get\_message\_container( ) ) ).

      "raise exception

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

        EXPORTING

          "http\_status\_code  = iv\_http\_status\_code

          textid            = /iwbep/cx\_mgw\_tech\_exception=>internal\_error

          message\_container = CAST #( /iwbep/if\_mgw\_conv\_srv\_runtime~get\_message\_container( ) ).

    ENDIF.

    "Mappen in Datenbank-Update-Struktur

    data(ls\_db\_update) = value sflight(          carrid      = er\_entity-carrid

                                                 connid      = er\_entity-connid

                                                 fldate      = er\_entity-fldate

                                                 price      = er\_entity-price

                                                 currency   = er\_entity-currency

                                                 planetype  = er\_entity-planetype

                                                 seatsmax   = er\_entity-seatsmax

                                                 seatsocc   = er\_entity-seatsocc

                                                 paymentsum = er\_entity-paymentsum

                                                 seatsmax\_b = er\_entity-seatsmax\_b

                                                 seatsocc\_b = er\_entity-seatsocc\_b

                                                 seatsmax\_f = er\_entity-seatsmax\_f

                                                 seatsocc\_f = er\_entity-seatsocc\_f ).

    "Update

    TRY.

    modify sflight from ls\_db\_update.

      CATCH /iwbep/cx\_mgw\_busi\_exception .

      CATCH /iwbep/cx\_mgw\_tech\_exception .

    ENDTRY.

  endmethod.

    method SFLIGHTSET\_DELETE\_ENTITY.

    LOOP AT it\_key\_tab ASSIGNING FIELD-SYMBOL(<ls\_keys>).

      CASE <ls\_keys>-name.

        WHEN 'Carrid'.

          DATA(lv\_carrid) = CONV S\_CARR\_ID( |{ CONV S\_CARR\_ID( <ls\_keys>-value ) ALPHA = IN }| ).

        WHEN 'Connid'.

          DATA(lv\_connid) = CONV S\_CONN\_ID( |{ CONV S\_CONN\_ID( <ls\_keys>-value ) ALPHA = IN }| ).

        WHEN 'Fldate'.

          DATA(lv\_fldate) = CONV S\_DATE( |{ CONV S\_DATE( <ls\_keys>-value ) }| ).

      ENDCASE.

    ENDLOOP.

    if lv\_carrid is initial or lv\_connid is initial or lv\_fldate is initial.

      "Schlüsselfelder leer - wird einfach ignoriert

      return.

    endif.

    SELECT SINGLE carrid

      FROM sflight

      INTO @DATA(lv\_carrid\_exist)

      WHERE carrid = @lv\_carrid

        AND fldate = @lv\_fldate

        AND connid = @lv\_connid.

    IF sy-subrc <> 0.

      "Datensatz existiert nicht

      MESSAGE e028(/gkv/rm90\_ud) WITH lv\_carrid\_exist INTO DATA(lv\_dummy\_msg).

      "/gkv/rm50\_cl\_odata\_tools=>raise\_error\_message( CAST #( /iwbep/if\_mgw\_conv\_srv\_runtime~get\_message\_container( ) ) ).

      "raise exception

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

        EXPORTING

          "http\_status\_code  = iv\_http\_status\_code

          textid            = /iwbep/cx\_mgw\_tech\_exception=>internal\_error

          message\_container = CAST #( /iwbep/if\_mgw\_conv\_srv\_runtime~get\_message\_container( ) ).

    ENDIF.

    "Delete

    TRY.

      DELETE FROM sflight

      WHERE carrid = @lv\_carrid

        AND fldate = @lv\_fldate

        AND connid = @lv\_connid.

      CATCH /iwbep/cx\_mgw\_busi\_exception .

      CATCH /iwbep/cx\_mgw\_tech\_exception .

    ENDTRY.

  endmethod.

1. **Aufgabe 3**
2. **Aufgabe 4 – 10 – Siehe Quellcode**