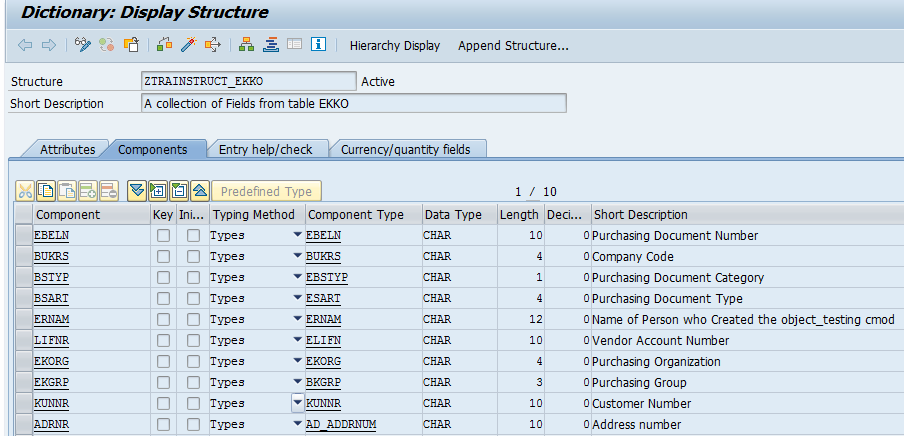
# Implement read operation

Fetch(EBELN, BUKRS, BSTYP, BSART, ERNAM, LIFNR, EKORG, EKGRP, KUNNR, ADRNR) from EKKO for given EBELN.

### ABAP Development

**Go to Tcode Se11 and create bespoke Structure ZTRAINSTRUCT\_EKKO**

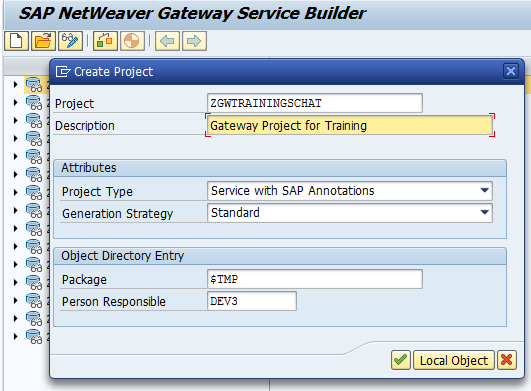


**Go to Tcode SE37 and Create bespoke RFC ZTRAINRFC**

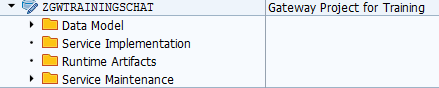
FUNCTION ztrainrfc.  
\*"----------------------------------------------------------------------  
\*"\*"Local Interface:  
\*"  IMPORTING  
\*"     VALUE(IV\_EBELN) TYPE  EBELN  
\*"  EXPORTING  
\*"     VALUE(WA\_HEADER) TYPE  ZTRAINSTRUCT\_EKKO  
\*"  TABLES  
\*"      TT\_RETURN STRUCTURE  BAPIRET2 OPTIONAL  
\*"----------------------------------------------------------------------  
  DATA:ls\_return TYPE bapiret2.  
\*"\* Fetch data from EKKO Table  
  SELECT SINGLE ebeln  
                bukrs  
                bstyp  
                bsart  
                ernam  
                lifnr  
                ekorg  
                ekgrp  
                kunnr  
                adrnr  
                FROM ekko  
                INTO wa\_header  
                WHERE ebeln = iv\_ebeln.  
  IF sy-subrc <> 0.  
    ls\_return-type = 'E'.  
    ls\_return-message = text-001.  
    REPLACE '&1' WITH iv\_ebeln IN CHARACTER MODE INTO ls\_return-message.  
    APPEND ls\_return TO tt\_return[].  
  ENDIF.  
  
ENDFUNCTION.

## Gateway Development

**Step1: Create Gateway Project**

Go to Tcode SEGW -> Click on Create button as highlighted -> furnish details->Save 

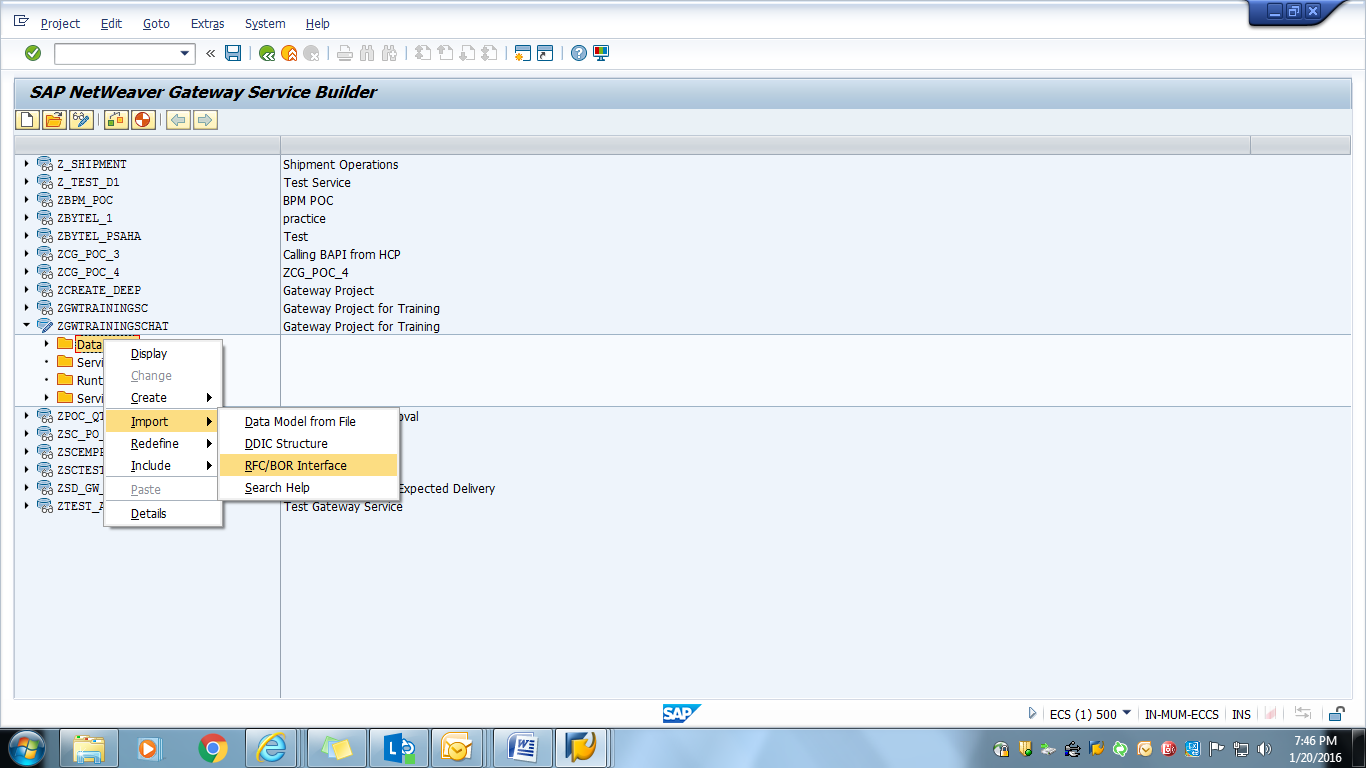
Click on .





**Step2: Create Entity Type & Entity Set**

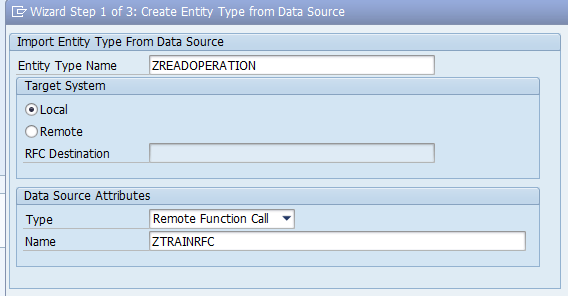
Right Click on **Data Model** tab under project **ZGWTRAININGSCHAT** -> Import-> RFC/BOR Interface



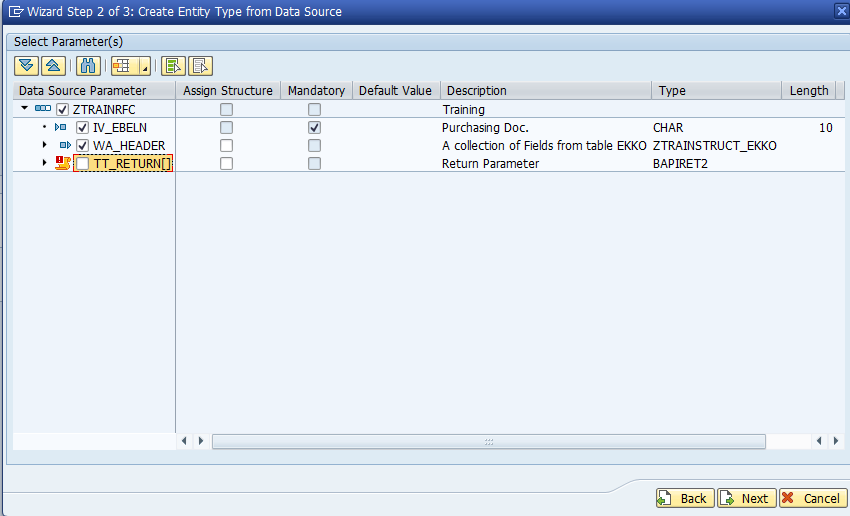
Insert **Entity Type** **Name** as ‘*ZREADOPERATION*’**,**

**Data Source Type** as ‘Remote Function Call’

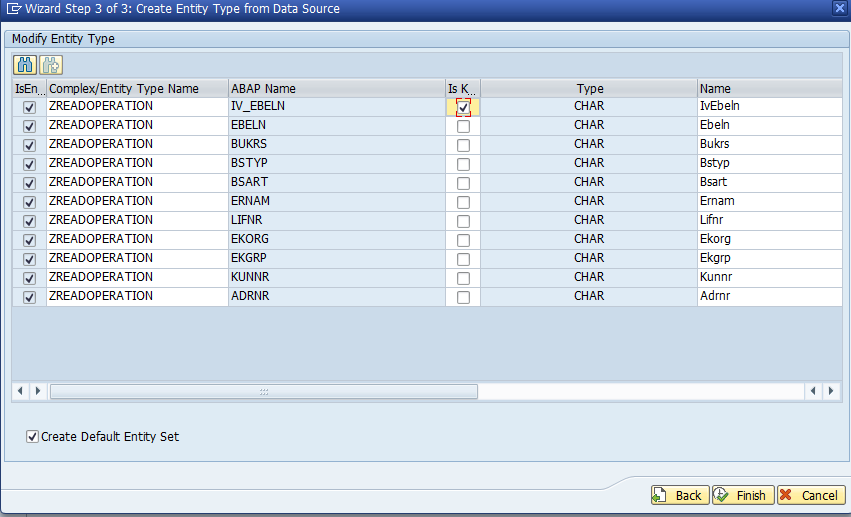
**Data Source Name** as ‘*ZTRAINRFC*’



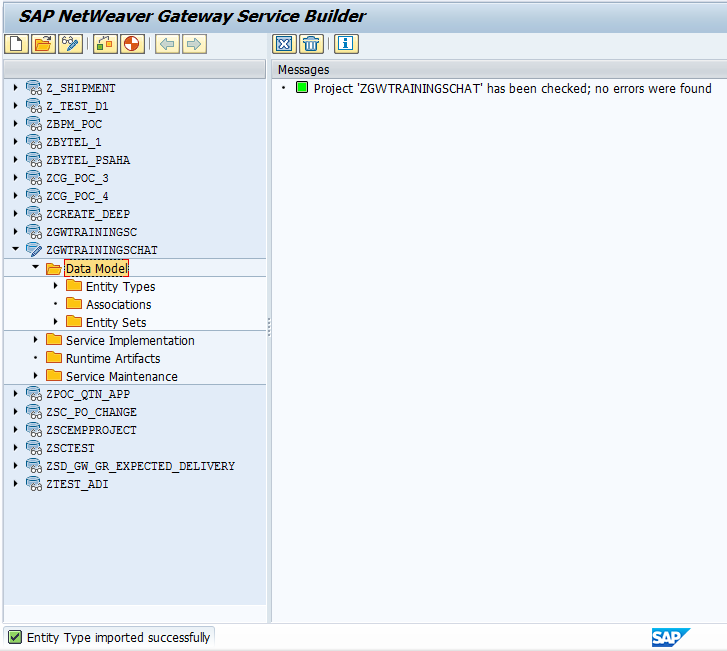
Click on ‘Next’.



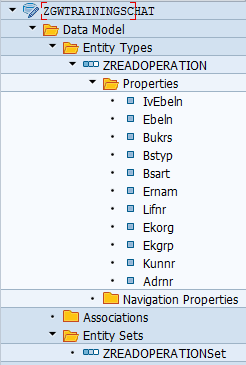
Click on ‘Next’ and Assign field as key



Press Finish

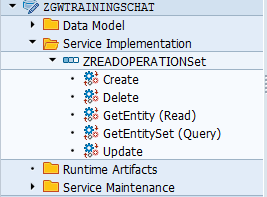


Entity type *ZREADOPERATION* and Entity Set *ZREADOPERATIONSet* created,

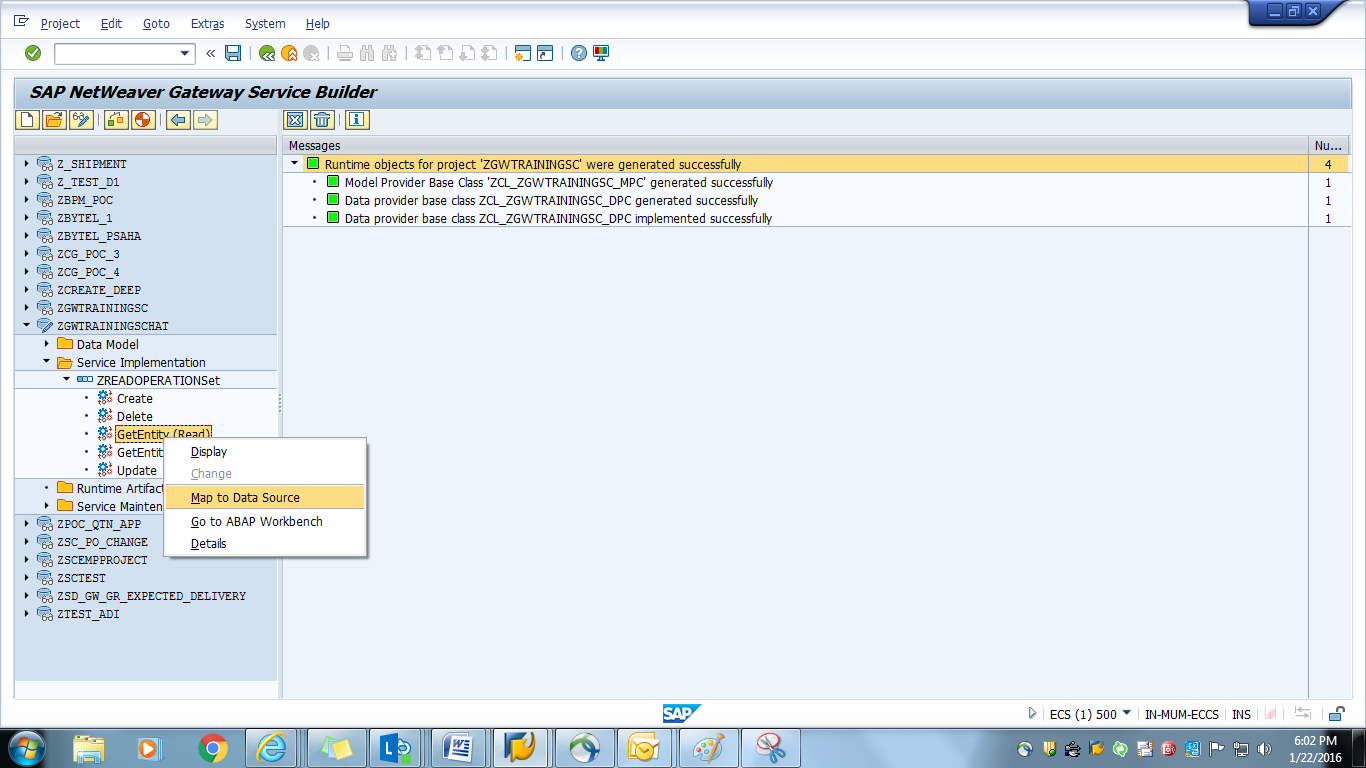


**Step3: Service Implementation**

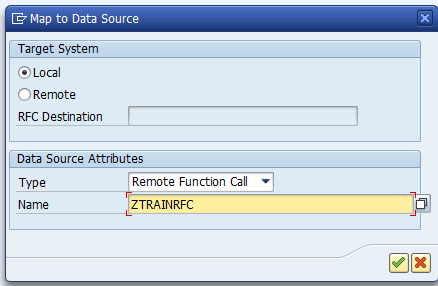
Go to Service Implementation section and expandEntity Set *ZREADOPERATIONSet*

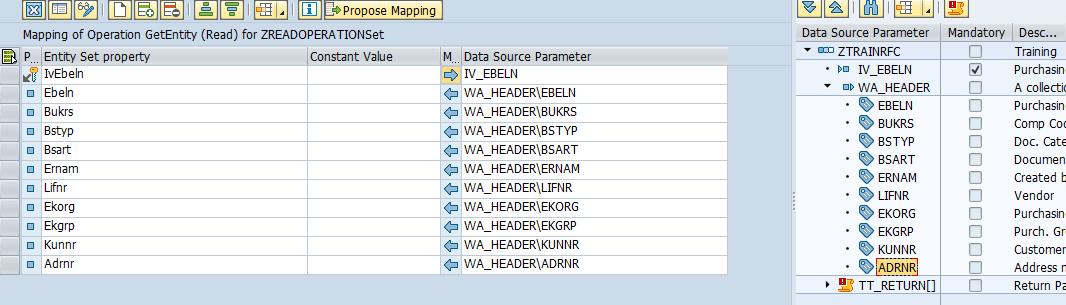


Right Click on operation *GetEntity(Read)* and click on Map to Data Source



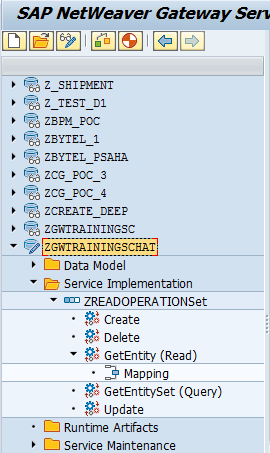
Insert Type as ‘Remote Function Call’ and Press 



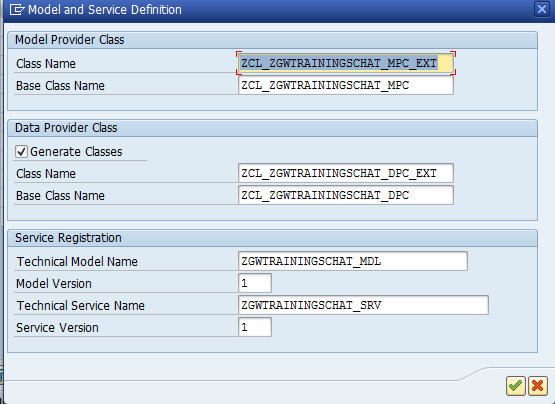
Click on Propose Mapping Tab or Drag & Drop fields from Data Source Parameter panel at right hand 

**Step4: Generate Runtime Artifacts**

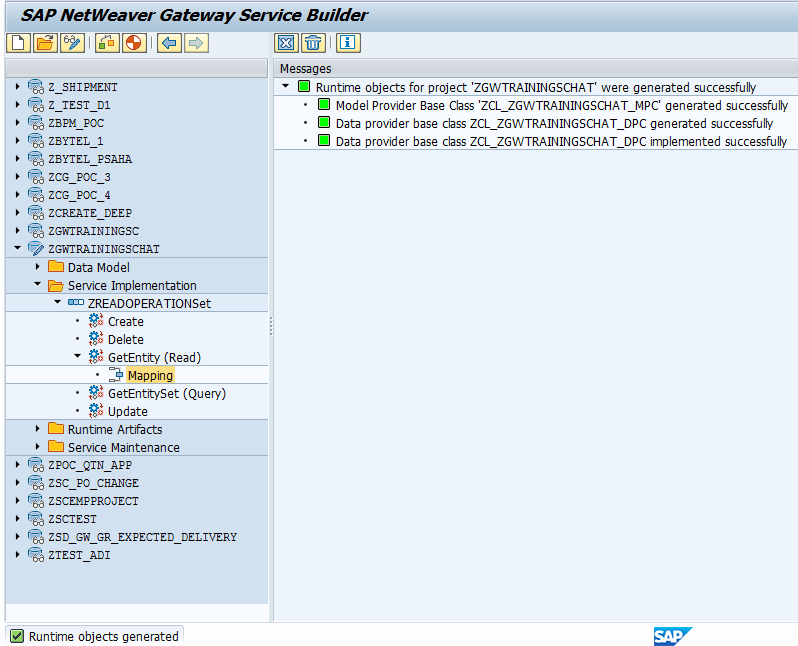
Select Project and click on 



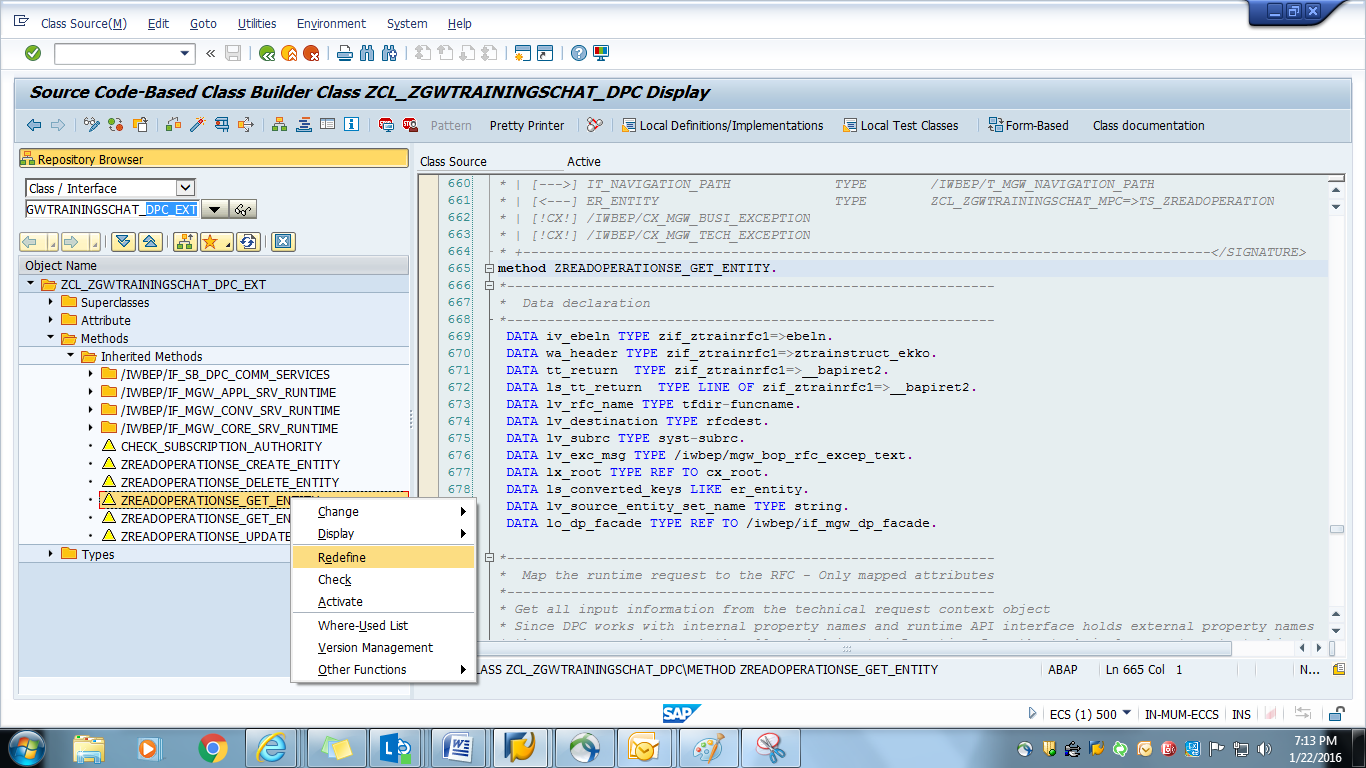
Model Provider Class,Data Provider Class,Technical Service Name generated.Press 



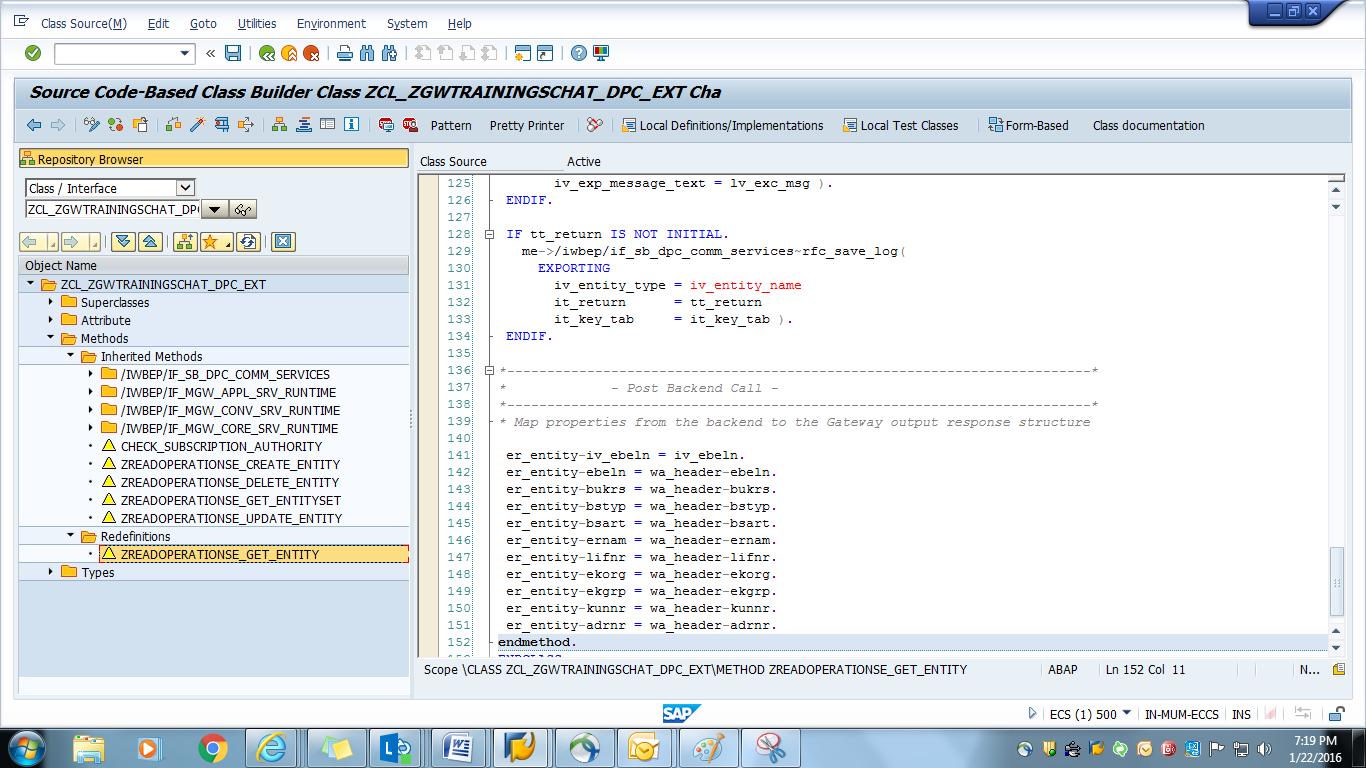
Run time Objects generated



Redefine the method ZREADOPERATIONSE\_GET\_ENTITY of class ZCL\_ZGWTRAININGSCHAT\_DPC\_EXT putting right click on method and select Redefine

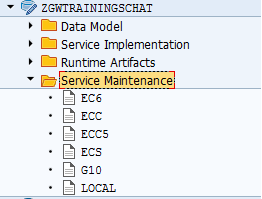


Activate the code,

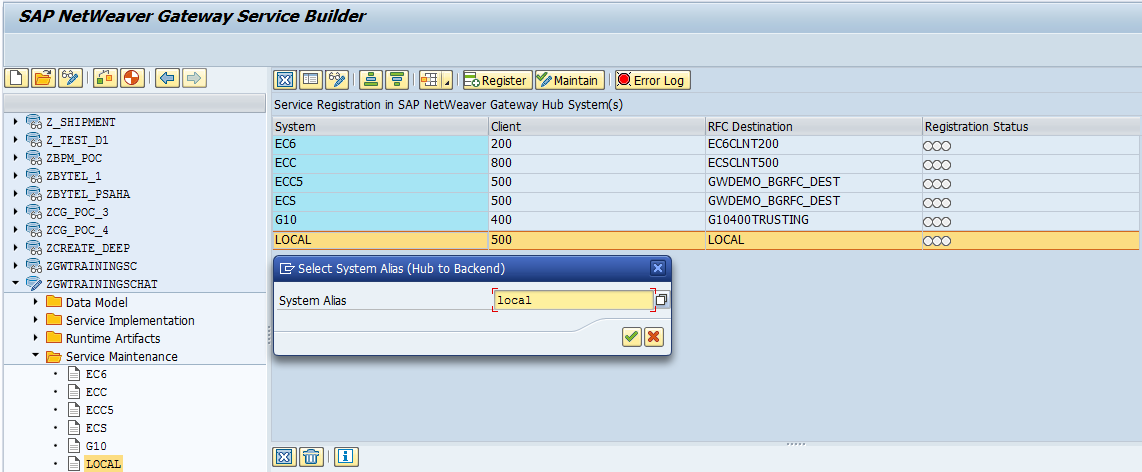


**Step5: Service Maintenance**

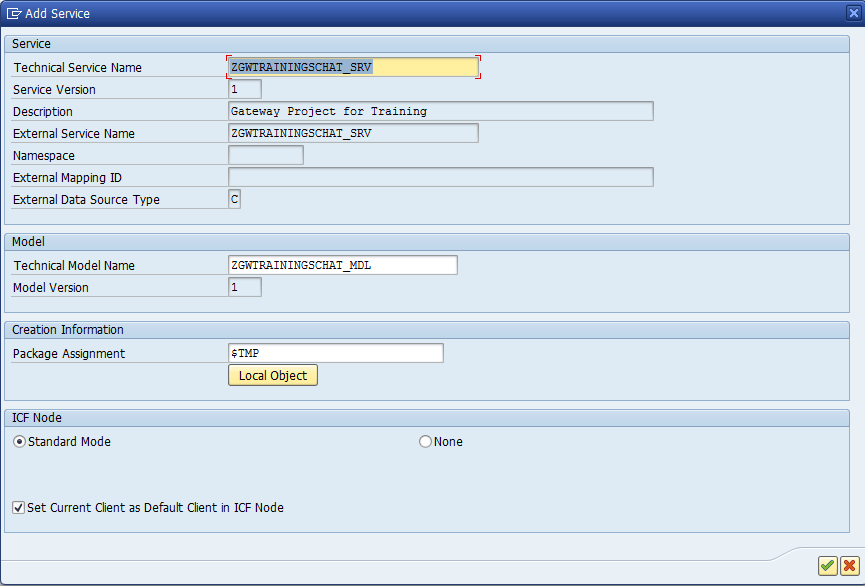
Go to Service Maintenance tab and select LOCAL



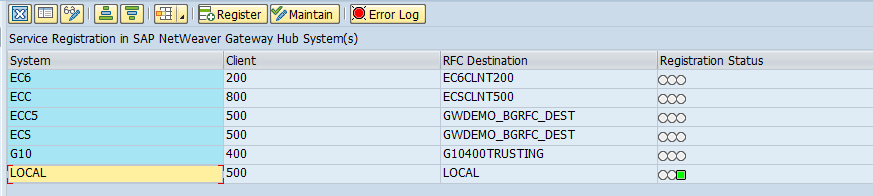
Press Register tab , insert System Alias as **local** and Press 



Fill Package Assignment field and Press 

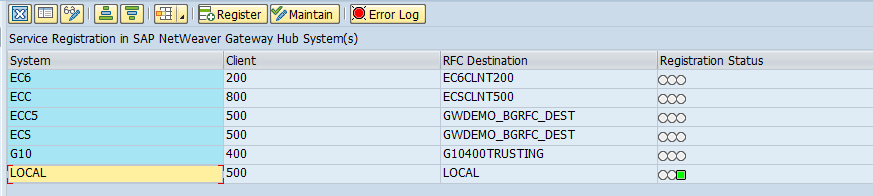


Service Maintenance done Successfully

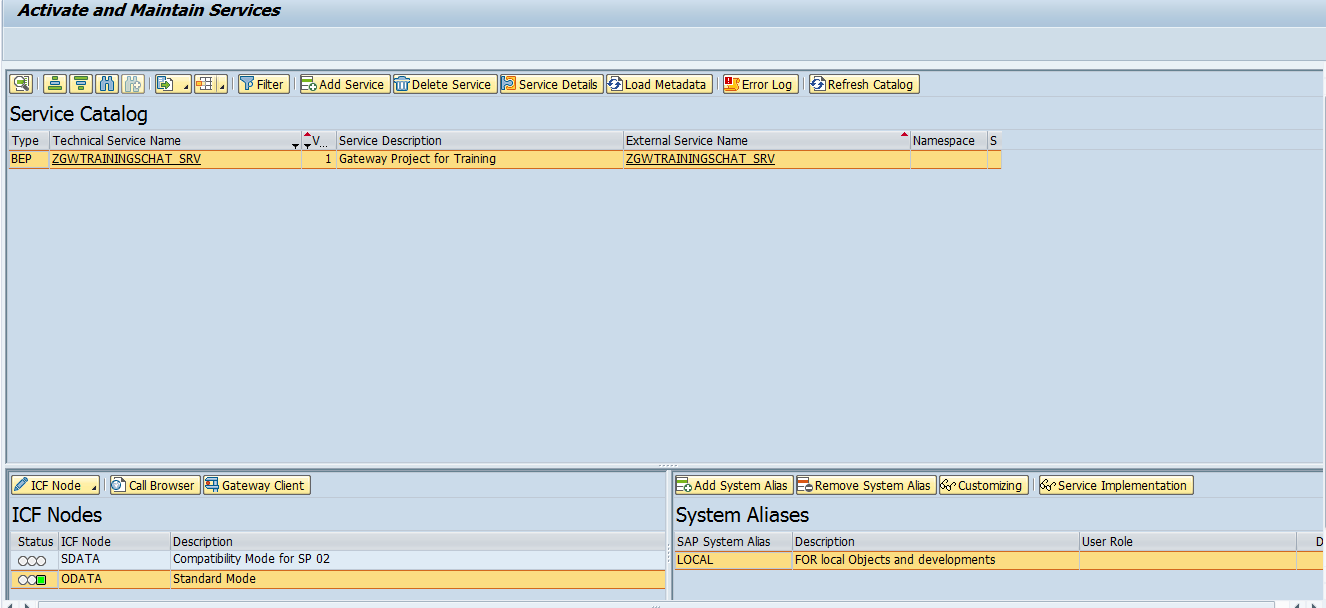


**Step6: Test Service**

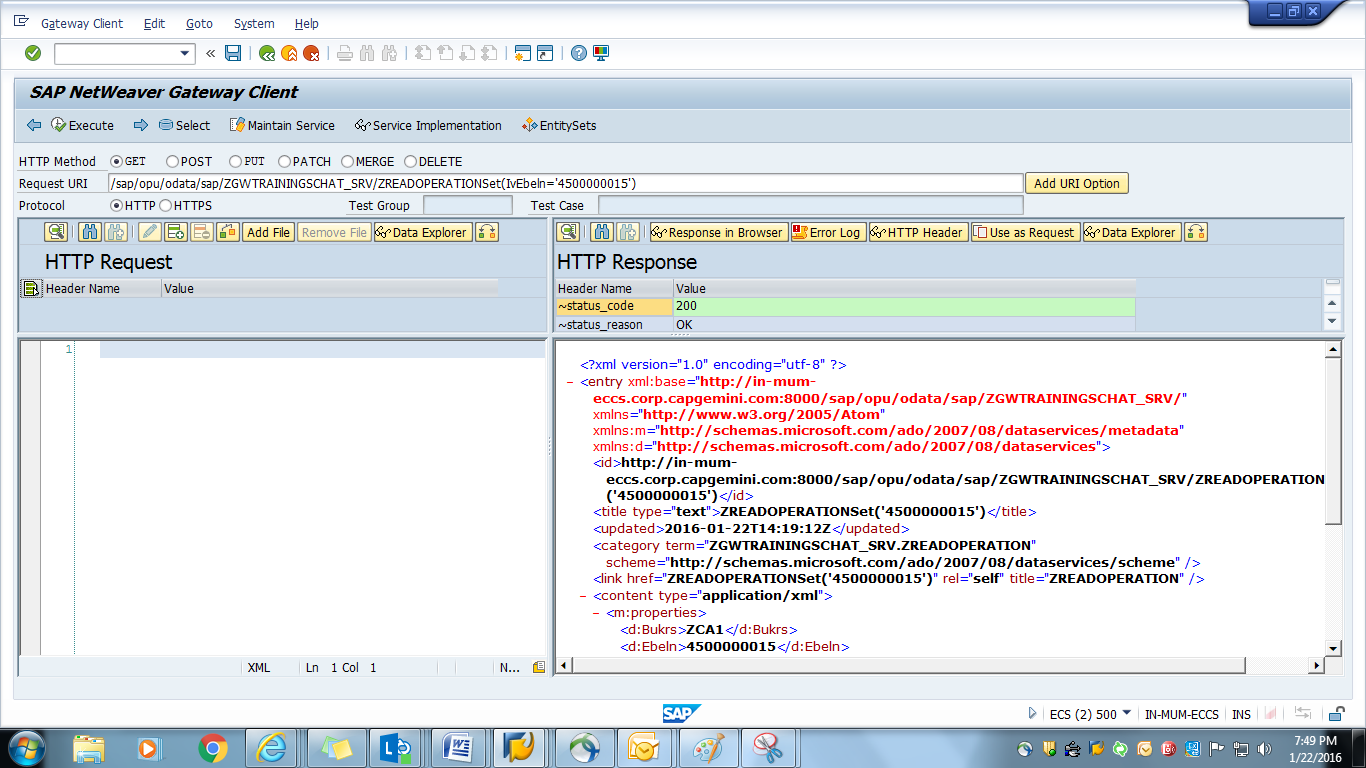
Click on Maintain



Click Gateway Client



Execute the http request (with GET command) as /sap/opu/odata/sap/ZGWTRAININGSCHAT\_SRV/ZREADOPERATIONSet(IvEbeln='4500000015'),



Result

