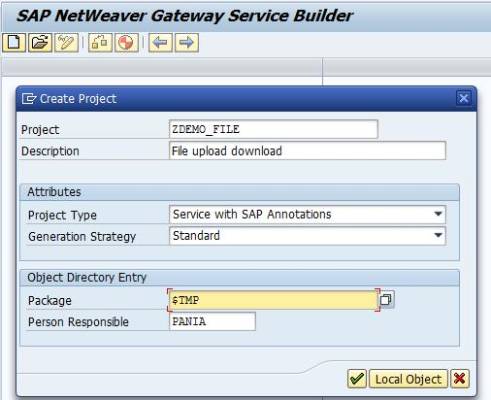
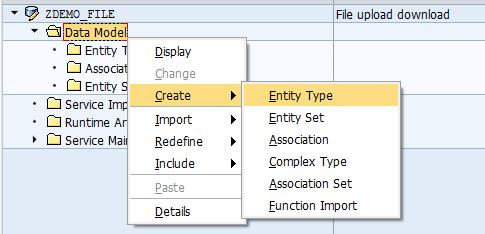
**UPLOAD and DOWNLOAD document**

Steps to Upload & Download document with the help of a OData service:

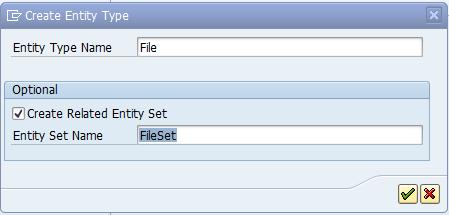
1) Create a NetWeaver Gateway project in SEGW.

[](http://scn.sap.com/servlet/JiveServlet/showImage/38-113774-546801/1.jpg)

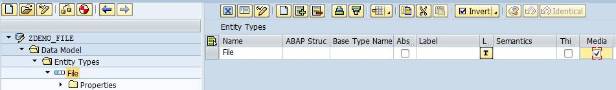
2) Create an Entity type “File” (you can choose any name)

[](http://scn.sap.com/servlet/JiveServlet/showImage/38-113774-546739/2.jpg)

Create an Entity Set for the Entity Type by checking the check  box.

[](http://scn.sap.com/servlet/JiveServlet/showImage/38-113774-546785/2.1.jpg)

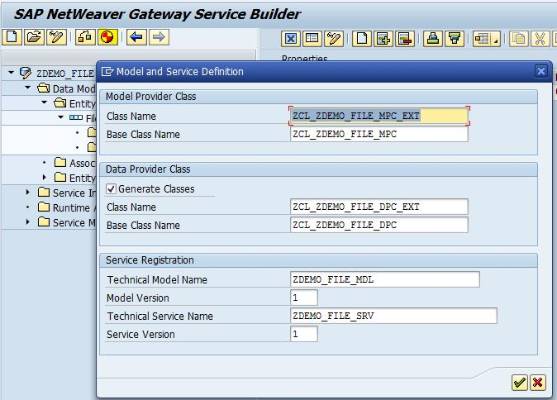
Mark Entity Type “File” as Media

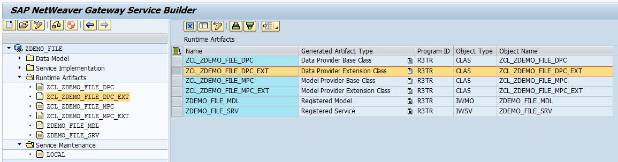
[](http://scn.sap.com/servlet/JiveServlet/showImage/38-113774-546786/2.2.jpg)

3) Create one property “FileName” mark it as key and type as String

[](http://scn.sap.com/servlet/JiveServlet/showImage/38-113774-546787/3.jpg)

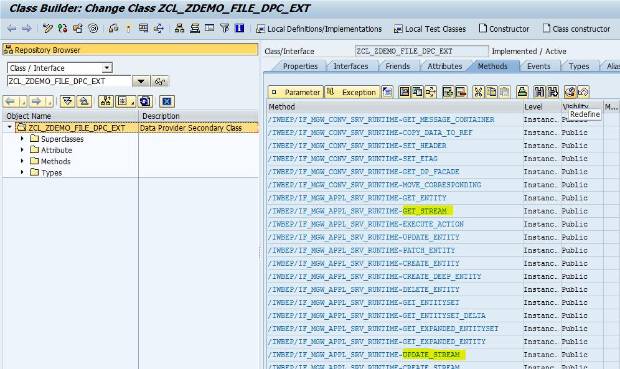
4) Generate run-time objects (or artifacts)

[](http://scn.sap.com/servlet/JiveServlet/showImage/38-113774-546788/4.jpg)

[](http://scn.sap.com/servlet/JiveServlet/showImage/38-113774-546789/4.1.jpg)

5) Go to data provider extension class in edit mode and redefine method /IWBEP/IF\_MGW\_APPL\_SRV\_RUNTIME~GET\_STREAM and

/IWBEP/IF\_MGW\_APPL\_SRV\_RUNTIME~UPDATE\_STREAM. Then add below code.

[](http://scn.sap.com/servlet/JiveServlet/showImage/38-113774-546790/5.jpg)

**/IWBEP/IF\_MGW\_APPL\_SRV\_RUNTIME~GET\_STREAM for download file**

DATA: ls\_stream  TYPE ty\_s\_media\_resource,

              ls\_upld    TYPE zzupld.

READ TABLE it\_key\_tab ASSIGNING FIELD-SYMBOL(<fs\_key>) INDEX 1.

DATA: lv\_filename TYPE char30.

lv\_filename = <fs\_key>-value.

SELECT SINGLE \* FROM zzupld INTO ls\_upld WHERE filename = lv\_filename.

  IF ls\_upld IS NOT INITIAL.

ls\_stream-value = ls\_upld-value.

ls\_stream-mime\_type = ls\_upld-mimetype.

copy\_data\_to\_ref( EXPORTING is\_data = ls\_stream

                    CHANGING  cr\_data = er\_stream ).

ENDIF.

**/IWBEP/IF\_MGW\_APPL\_SRV\_RUNTIME~UPDATE\_STREAM for upload file**

DATA: lw\_file TYPE zzupld.

READ TABLE it\_key\_tab ASSIGNING FIELD-SYMBOL(<fs\_key>) INDEX 1.

lw\_file-filename = <fs\_key>-value.

lw\_file-value    = is\_media\_resource-value.

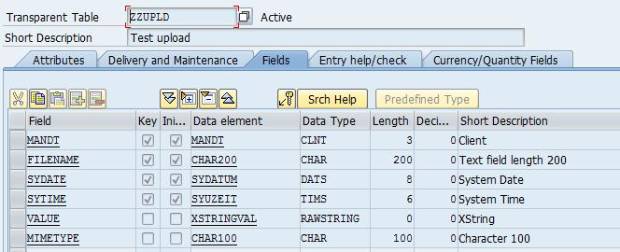
lw\_file-mimetype = is\_media\_resource-mime\_type.

lw\_file-sydate  = sy-datum.

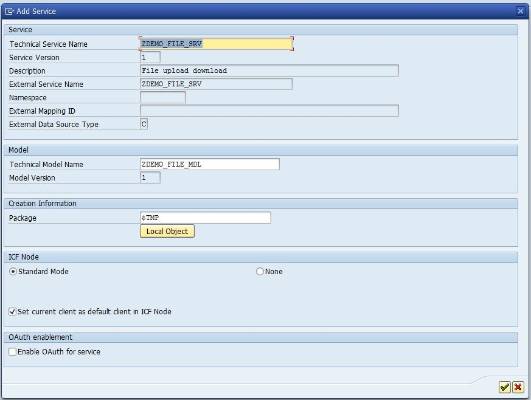
lw\_file-sytime  = sy-uzeit.

MODIFY zzupld FROM lw\_file.

I have created a Z table ZZUPLD to store/extract the file

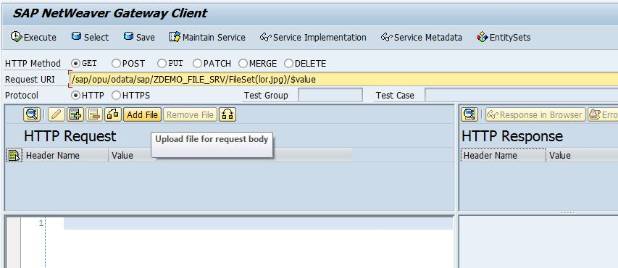
[](http://scn.sap.com/servlet/JiveServlet/showImage/38-113774-546793/5.3.jpg)

6) Register the service & service is ready for use

[](http://scn.sap.com/servlet/JiveServlet/showImage/38-113774-546794/6.1.jpg)

7) Test the service from GW client. Upload the file into the Z table and extract it.

      /sap/opu/odata/sap/ZDEMO\_FILE\_SRV/FileSet(‘lor.jpg’)/$value

[](http://scn.sap.com/servlet/JiveServlet/showImage/38-113774-546795/7.jpg)

8) Browse your local file system and select your file. Once you upload the file SAP with automatically change the HTTP method as PUT . Execute the method. lor.jpg file got uploaded with ~status\_code = 204.

[](http://scn.sap.com/servlet/JiveServlet/showImage/38-113774-546798/8.jpg)