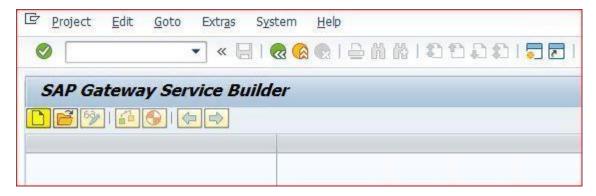
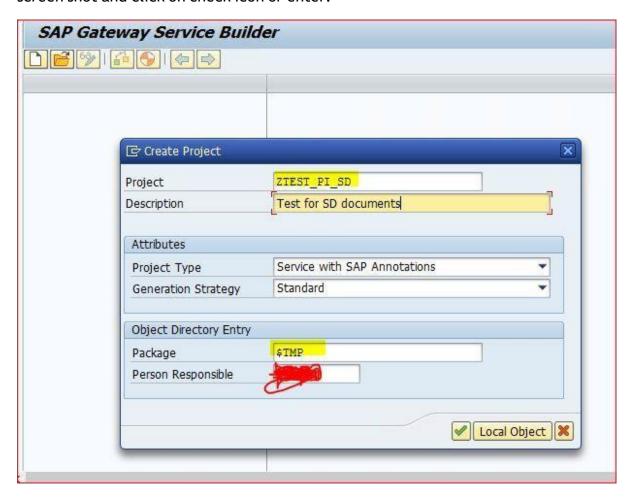
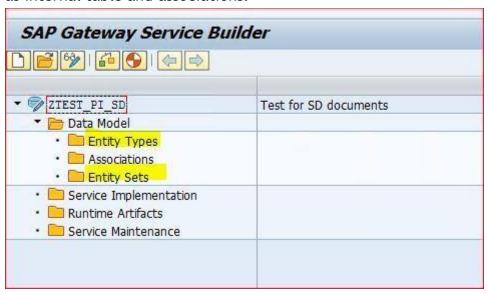
Step 1. Go to transaction code - SEGW.



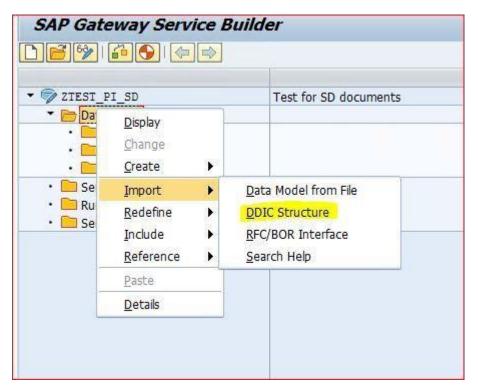
Click on Icon Create. A pop window will appear, Fill the details as per below mention in screen shot and click on check icon or enter.



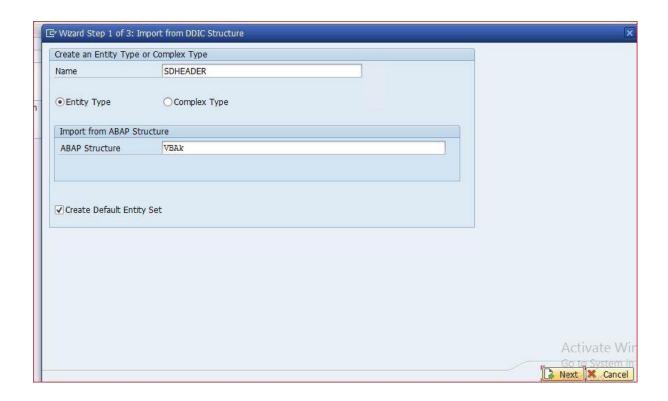
Below screen will appear where you can see below folder in project. In Folder data model, we can see three sub folders. Entity Type - it acts as work area, Entity Sets -It act as internal table and associations.



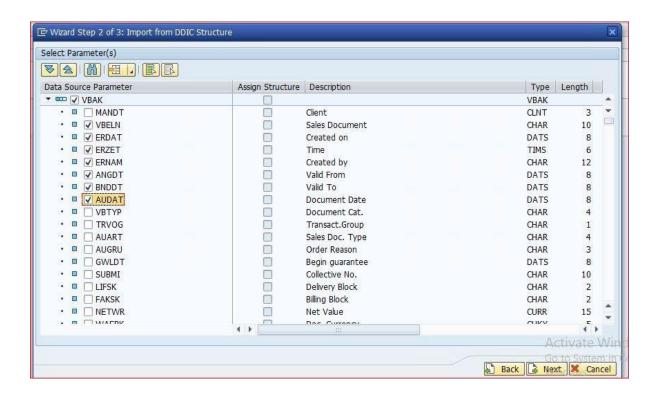
Now we are going to define structure of work area and internal table, Right click on Data model select import and select DDIC structure.



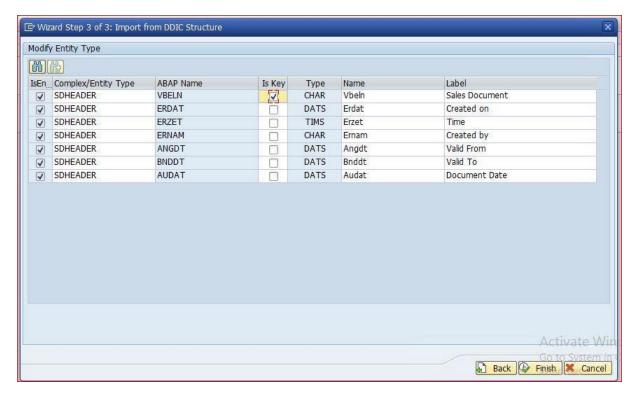
Here give the details of structure and structure name as per below screen below. Select radio button Entity type and and click on check box entity set. fill ABAP structure as VBAK and click on next



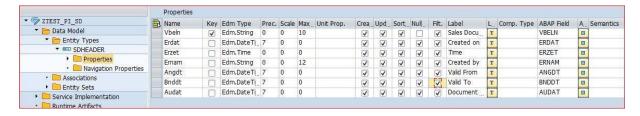
Now you will get the pop up screen with VBAK table fields name. Select fields for your structure and click on next.



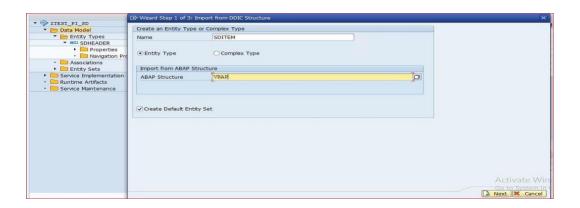
Other window will appear where we have to select the key field. tick on Vbeln as key field and click on finish. You may get warning message; it can be totally ignored.

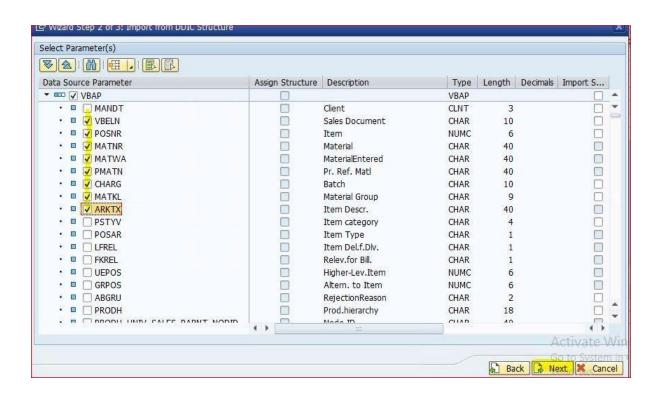


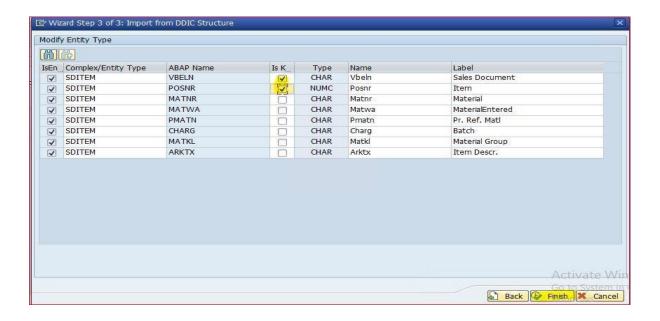
Now expand folder entity type and fill the below parameters in properties, Please don't tick Null check box for VBELN as it is key field.

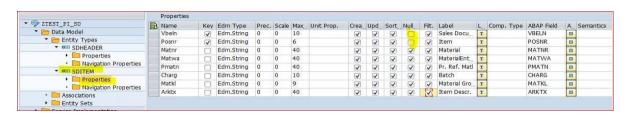


Similarly Create Structure for SD Item following same steps



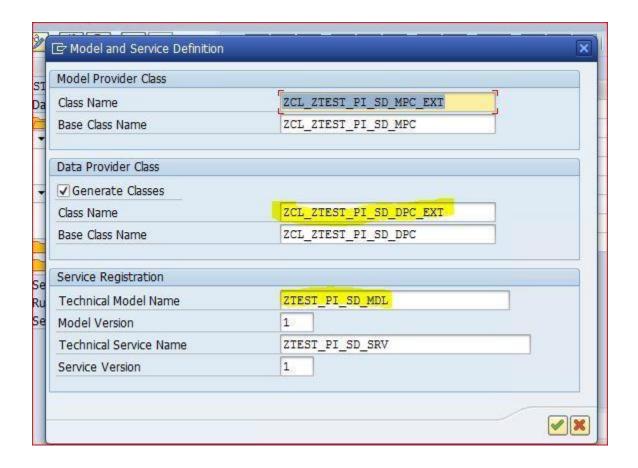






click on Save button at the top of menu bar

Now click on generate Icon, A pop up window will appear with class details , click on tick icon and proceed further. It will ask for package , give details and proceed further . These are also knowns as runtime artifacts.



Step 2. Go to transaction code / IWFND/MAINT_SERVICE.

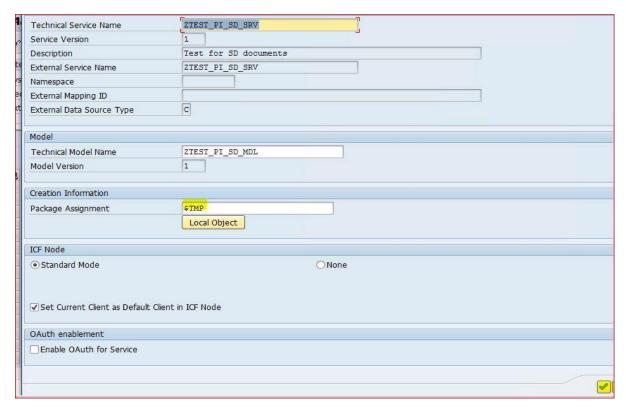
Click on push button Add services.

Activate and Maintain Services														
	4 7 M M D 1 H 1 F	ilter	Add Service To Delete Service 🔯 Service De	tails 🔁 Load Metadata 🛂 Error Log	Request 9	Statistics								
Ret	Refresh Catalog Q OAuth Q Soft State Processing Mode Add to Transport													
572		Ja 1100	assuing Product Prairies of Trainsport											
Ser	vice Catalog													
Туре	Technical Service Name	^V	Service Description	External Service Name	A Nsp.	OAut	Soft State	Processing Mode						
BEP 🗗	ZABAP REPOSITORY SRV	1	SAPUI5 ABAP Repository services via oData	ABAP REPOSITORY SRV	/UI5/		Not Supported	Routing-based						
BEP	ADT	1	Gateway service for ADT	ADT SRV		✓	Not Supported	Routing-based						
BEP	ZAPJ JOB MANAGEMENT SRV	1	Application job management	APJ JOB MANAGEMENT SRV		V		Co-deployed only						
BEP	ZAPL LOG MANAGEMENT SRV	1	Application Log management	APL LOG MANAGEMENT SRV		~		Co-deployed only						
BEP	ZAPS CDS GKE SRV	1	Generic CDS key user access	APS CDS GKE SRV			Not Supported	Routing-based						
BEP	ZAPS CHANGE DOCUMENTS SRV	1	OData Service for Change Documents	APS CHANGE DOCUMENTS SRV		V		Co-deployed only						
BEP	ZAPS EXT CBO D SRV	1	Custom Business Objects: Draft	APS EXT CBO D SRV			Not Supported	Routing-based						
BEP	ZAPS EXT CCL SRV	1	Custom Code List	APS EXT CCL SRV			Not Supported	Routing-based						
	ZAPS EXT TRC SRV		OData Services for Tracing	APS EXT TRC SRV			Not Supported							

Next screen will appear, give the alias name and execute, Search you for your project.

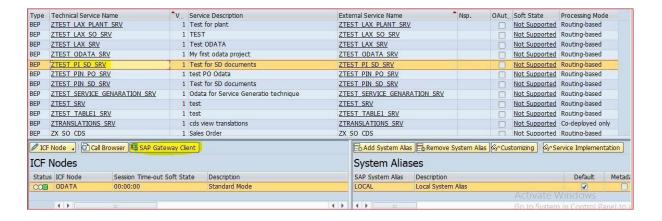


Now double click on your project name . A pop up window will appear , enter the package details and click on tick icon. An Information message will be shown where it will confirm about the service is created and metadata loaded successfully

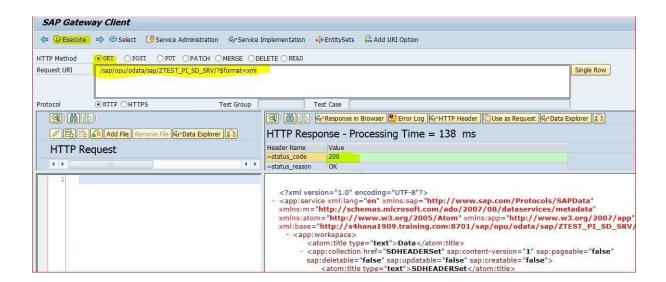


Now click back and go to main screen of transaction /IWFND/MAINT_SERVICE and find your service.

Click on SAP Gateway Client



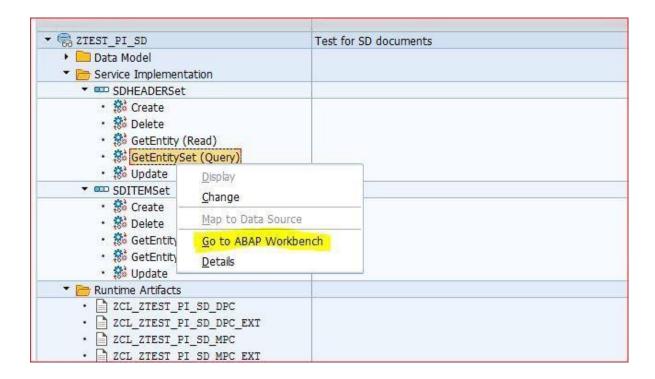
A new screen will come, Execute the transaction and check the response.



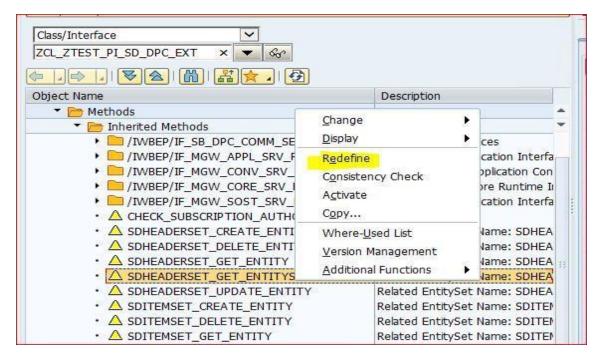
Now we will write code to get data.

Step 3. Go to transaction code SEGW and expand folder service Implementation.

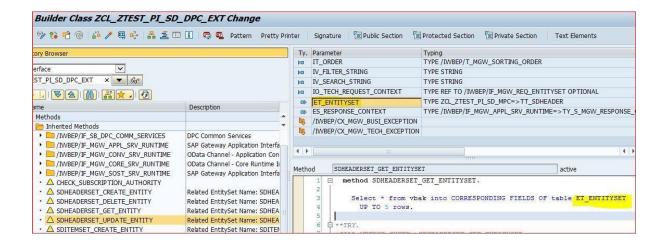
Under service implementation - Expand SDheaderSet. you will find different options. Right click on GetEntitySet and select GO to ABAP work Bench . It will redirect to the class



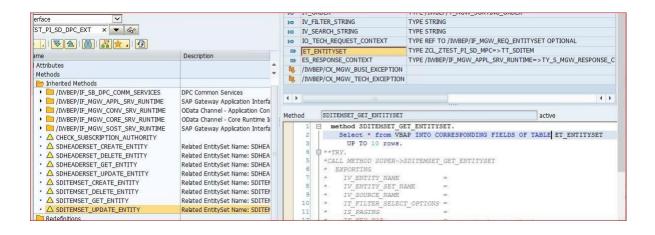
Now expand the method drop down and select method for GetEntitySet for Header data and right click and select redefine.



Write below code in method. Save and activate all related objects for classes.



Similarly, Write code for GetEntitySet for Item and activate.



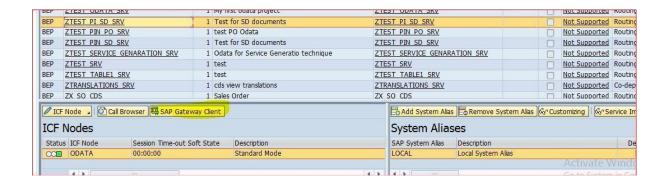
Step -4

Go to transaction /IWFND/MAINT_SERVICE and find out you service, select your service and click on load metadata.

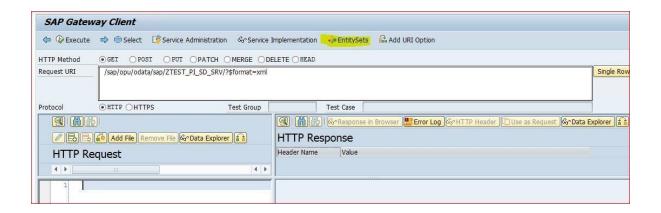
© Delete Service Service Details Delete Service Request Statistics Request Statistics Processing Mode Add to Transport Service Catalog											
Type	Technical Service Name	^ V	Service Description	External Service Name	Nsp.	OAut	Soft St				
BEP	ZTEST LAX PLANT SRV		Test for plant	ZTEST LAX PLANT SRV			Not Sur				
BEP	ZTEST LAX SO SRV	1	TEST	ZTEST LAX SO SRV			Not Sur				
BEP	ZTEST LAX SRV	1	Test ODATA	ZTEST LAX SRV			Not Sur				
BEP	ZTEST ODATA SRV	1	My first odata project	ZTEST ODATA SRV			Not Sur				
BEP	ZTEST PI SD SRV	1	Test for SD documents	ZTEST PI SD SRV	1		Not Su				
BEP	ZTEST PIN PO SRV	1	test PO Odata	ZTEST PIN PO SRV	7		Not Su				
BEP	ZTEST PIN SD SRV	1	Test for SD documents	ZTEST PIN SD SRV			Not Sur				
BEP	ZTEST SERVICE GENARATION SRV	1	Odata for Service Generatio technique	ZTEST SERVICE GENARATION SRV			Not Sur				
BEP	ZTEST SRV	1	test	ZTEST SRV			Not Sur				
BEP	ZTEST TABLE1 SRV	1	test	ZTEST TABLE1 SRV			Not Sur				
BEP	ZTRANSLATIONS SRV	1	cds view translations	ZTRANSLATIONS SRV			Not Sur				

Information message will pop up - Metadata has been loaded successfully.

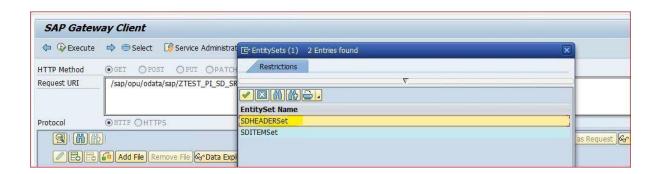
Now Click on SAP Gateway Client .



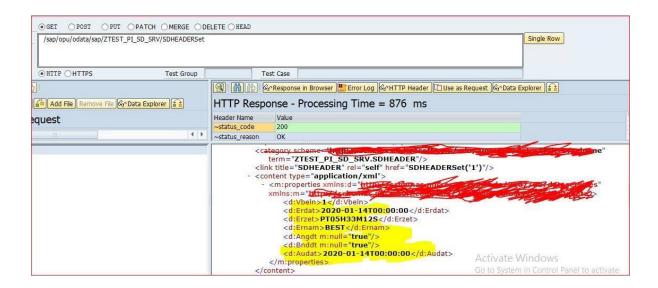
Now Click on Entity set.



Select entity for header and enter



Click and execute and you will get the header data in response



Similarly, Select entity set for item and execute . You will get data for item

