Analysis Process Designer (APD): Part - 3

Applies to:

SAP NetWeaver Business Warehouse (Formerly BI), Will also work on SAP BI 3.5. For more information, visit the Business Intelligence homepage.

Summary

This article gives clear picture about how to down load the data using Report into DSO (Direct Update type DSO).

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Author Bio

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Introduction

The Analysis Process Designer (APD) is a workbench with an intuitive graphical user interface for creating, executing, and monitoring analysis processes. The analysis process is primarily based on data that was consolidated in the Data Warehouse and that exists in InfoProviders.

Analysis processes (APD) can be created on a graphical user interface using drag and drop. Data from different data sources in the BI system can be combined, transformed, and prepared for analysis in several individual steps. This allows it to be resaved in data targets in the BI system (DataStore objects for direct update or InfoObjects with attributes) or in CRM system.

Live Scenario

I have one report in BW/BI and want to execute and download the data into DSO.

I have the following Characteristics InfoObjects and Key figure InfoObjects in Report.

Material = 0MATERIAL

Batch = 0BATCH

Plant = 0PLANT

Calendar Day = 0CALDAY

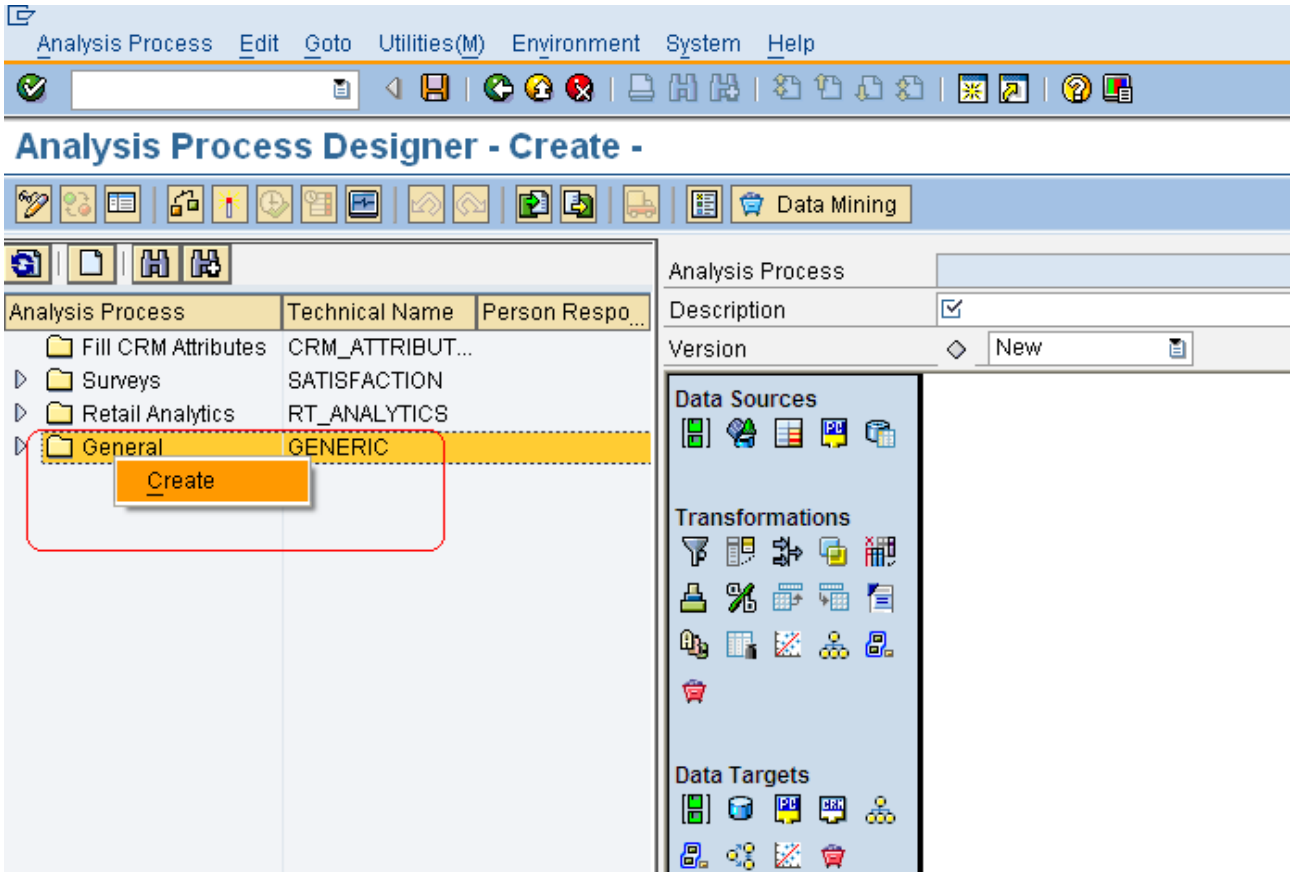
Amount = 0AMOUNT

Steps

Follow the following simple steps.

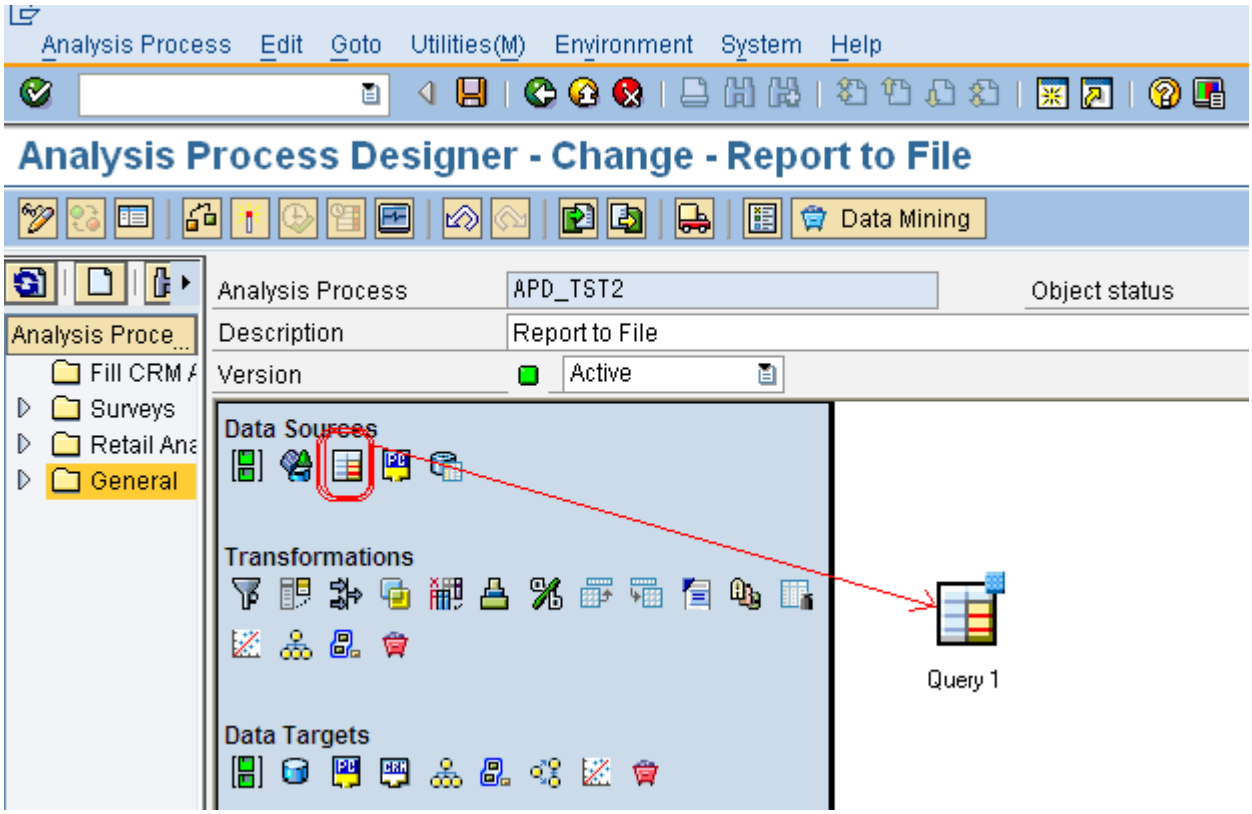
Step 1

Go to RSANWB Transaction code and create new Analysis Process.



Step 2

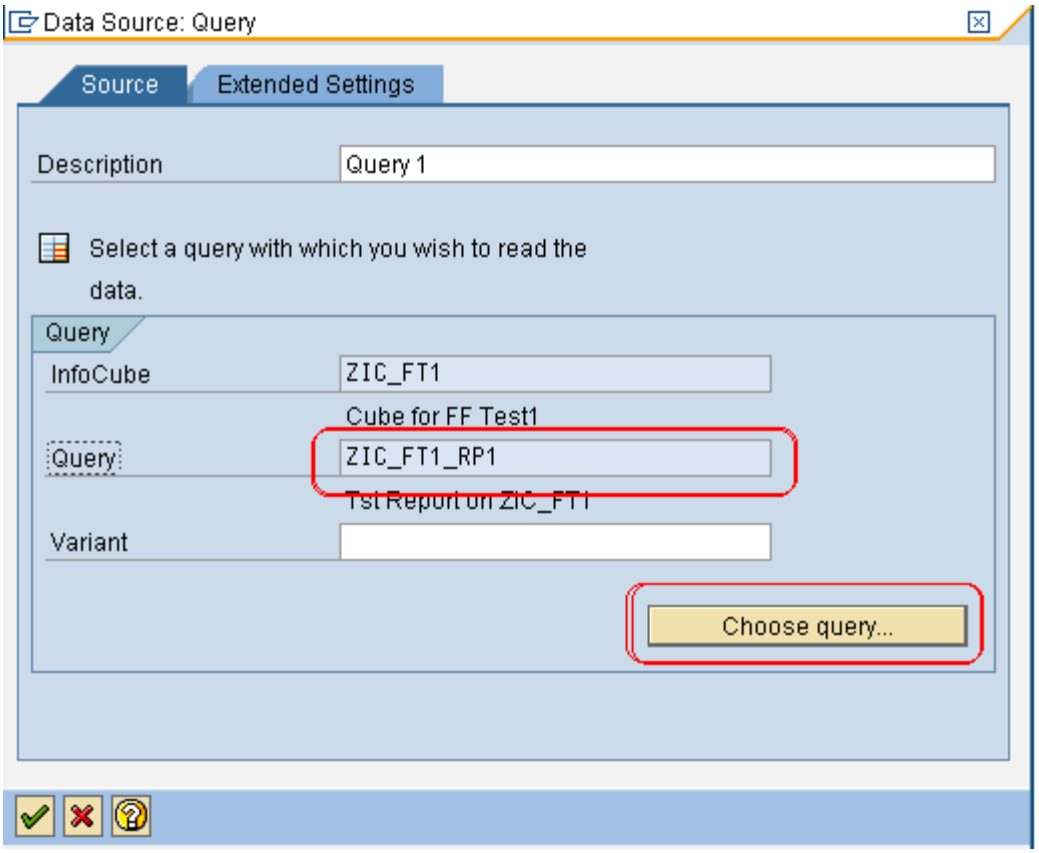
Drag and Drop DataSource i.e. Use Query to Read Data. See the below Screen.

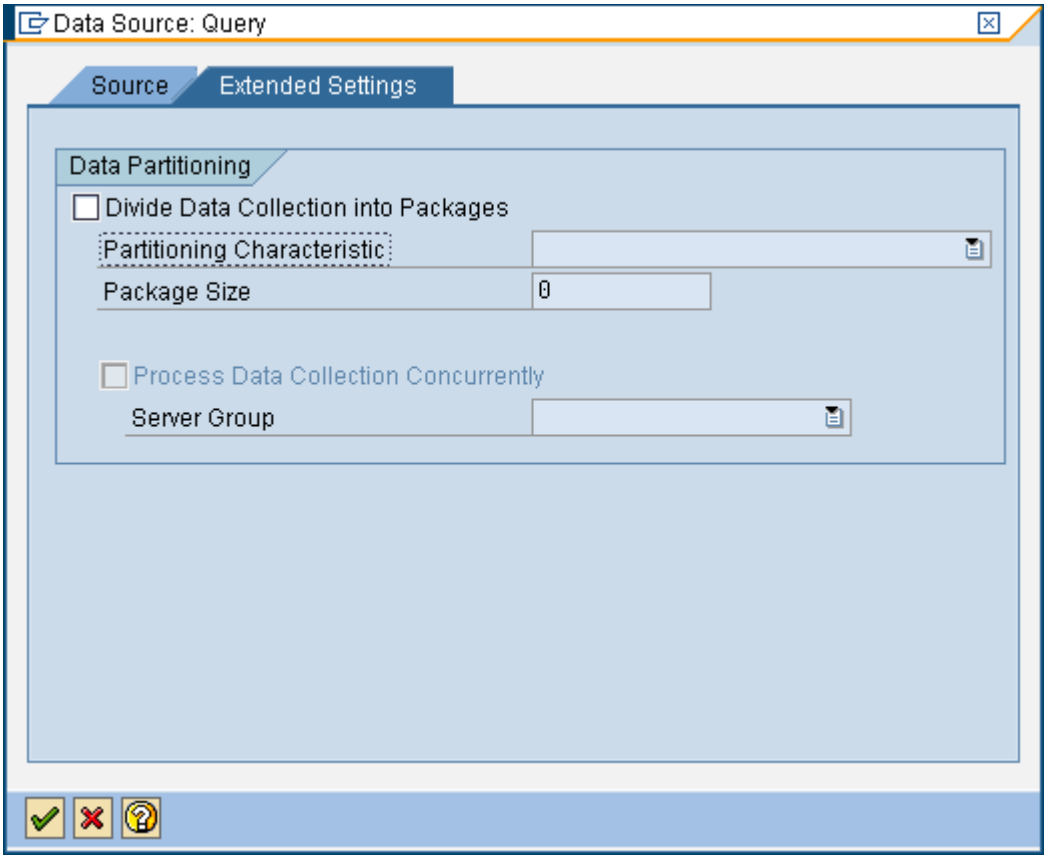


Double Click on Query 1 and Query Technical Name (use F4 help).

Click on Choose Query and select the Report name in Source Tab.

There is no change in Extended Settings Tab. See the below Screens.

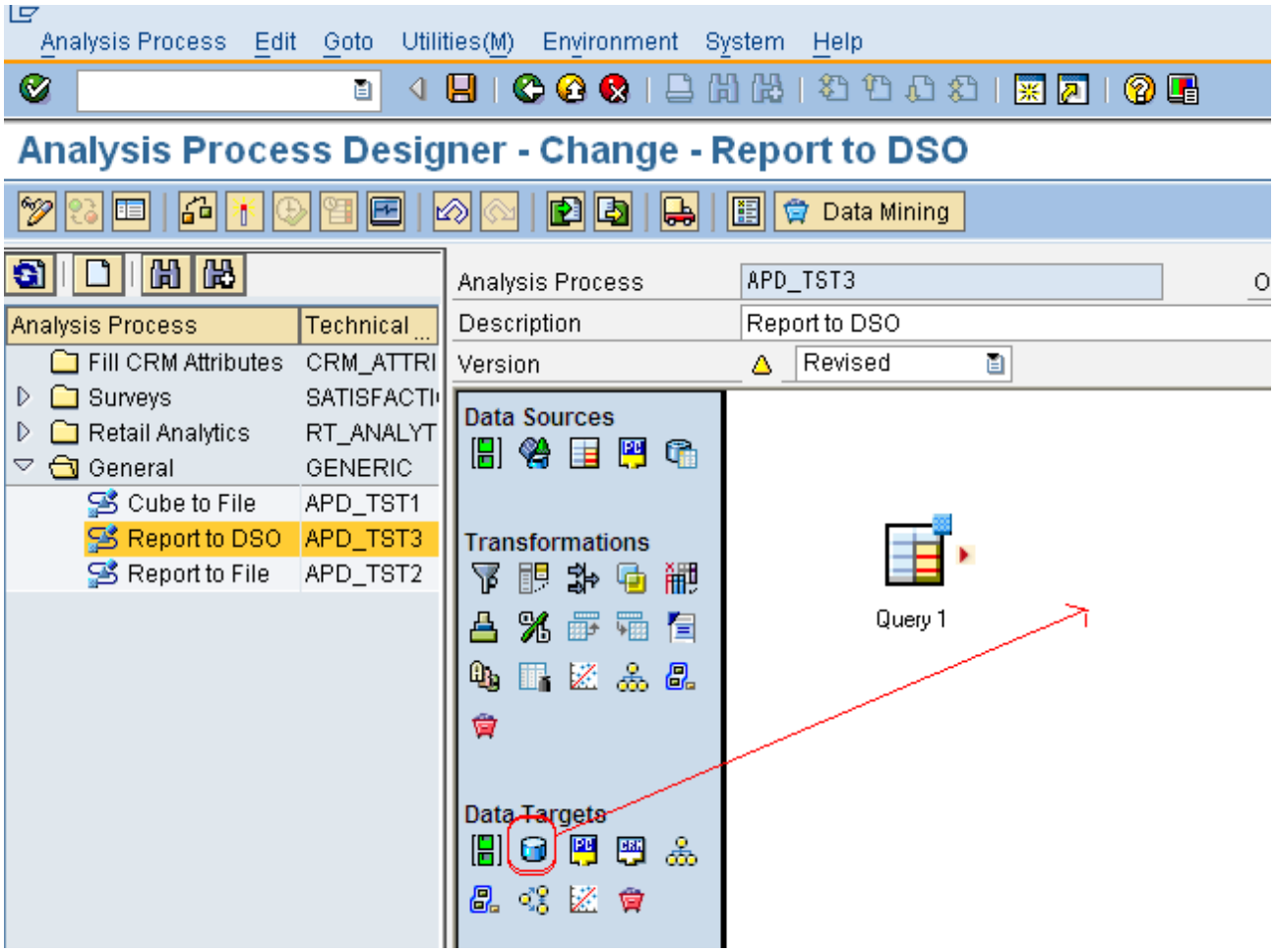

Data Source: Query
Source
Extended Settings
Description
Query 1
Select a query with which you wish to read the data.
Query
InfoCube
ZIC_FT1
Cube for FF Test1
Query
ZIC_FT1_RP1
Tst Report on ZIC_FT1
Variant
Choose query...


Data Source: Query
Source
Extended Settings
Data Partitioning
Divide Data Collection into Packages
Partitioning Characteristic
Package Size
0
Process Data Collection Concurrently
Server Group

Step 3

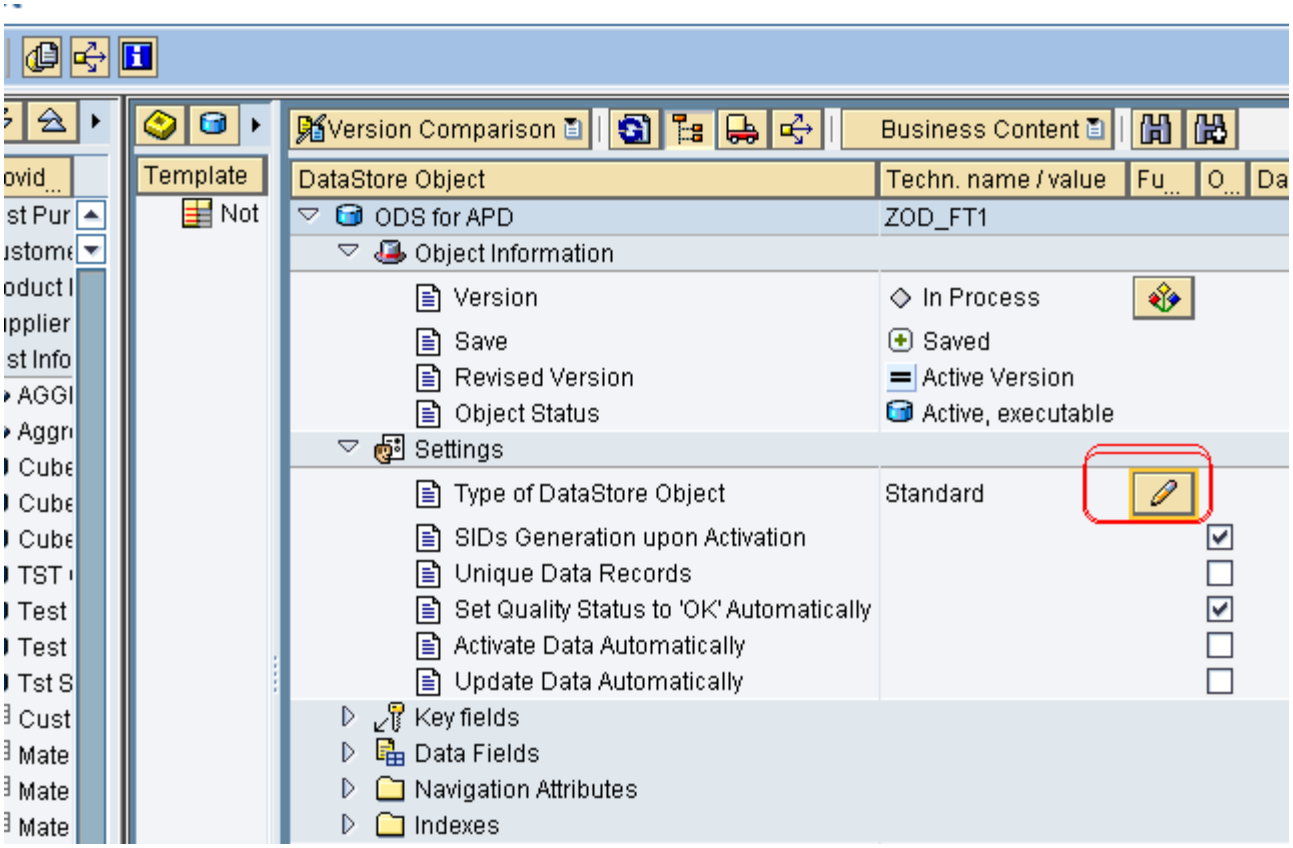
Click on Write Data to DataStore Object in Data Targets.

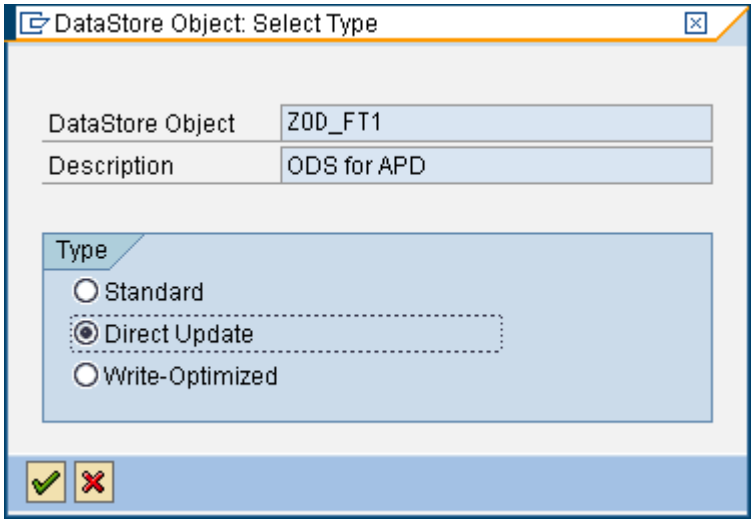
See the below Screen.



Before doing the above step, first you make sure that the DSO we are using is Direct Update Type DSO, see the below screen how to set Direct Update to the Standard DSO.

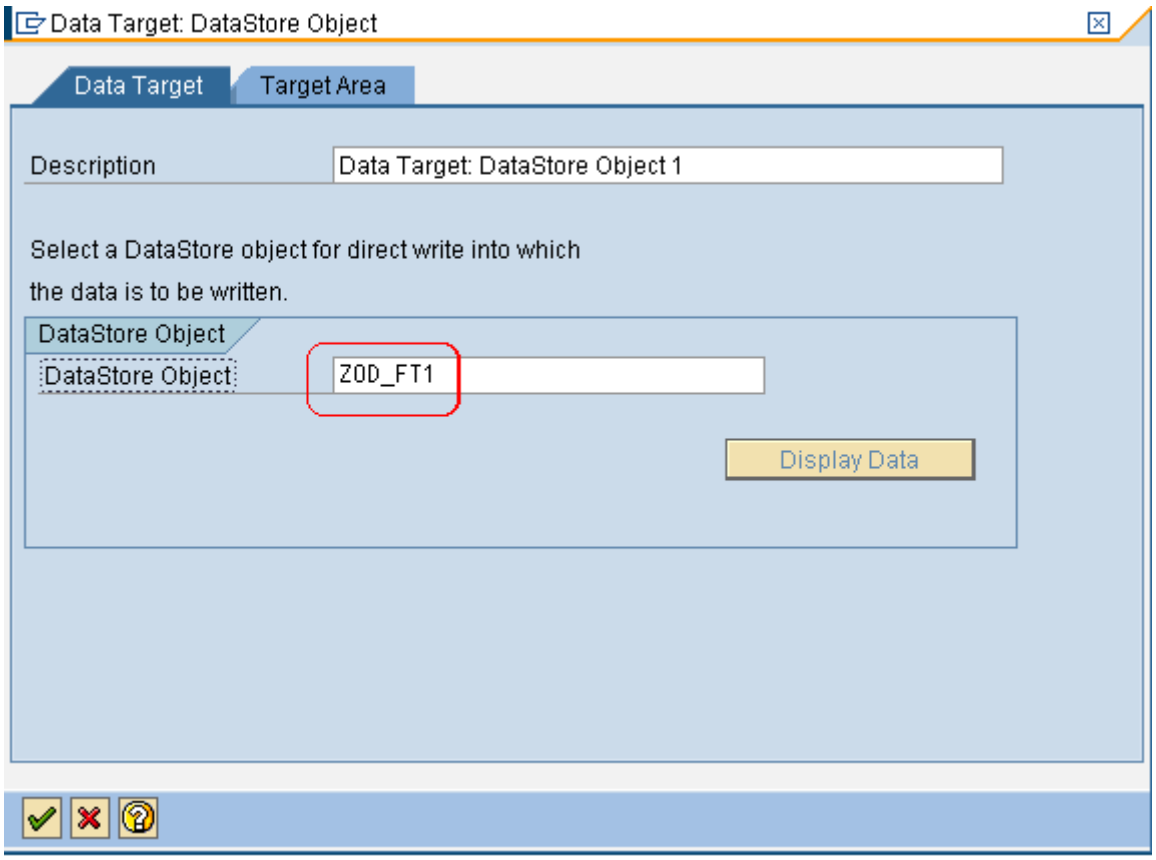
Go to Change mode of the DSO and then click on settings and change.





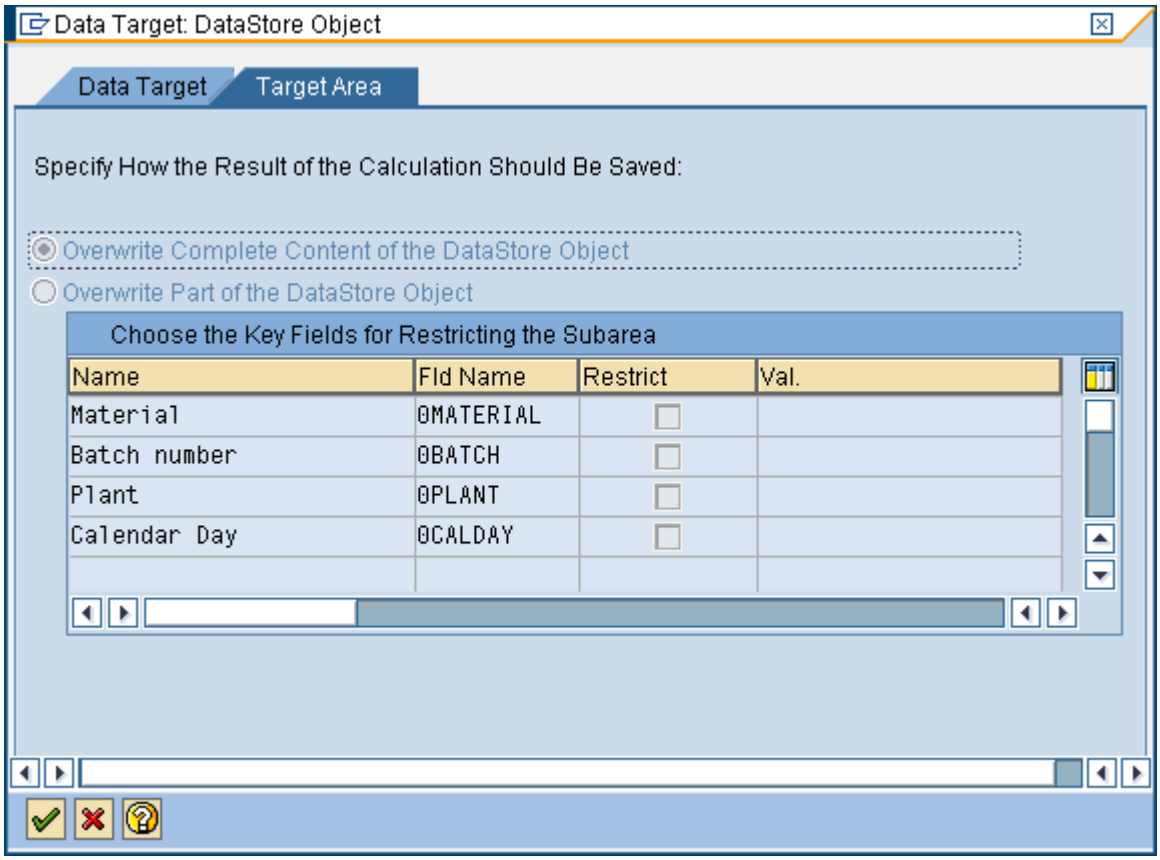
Here by default it will be Standard, but we need to select it Direct Update like above.

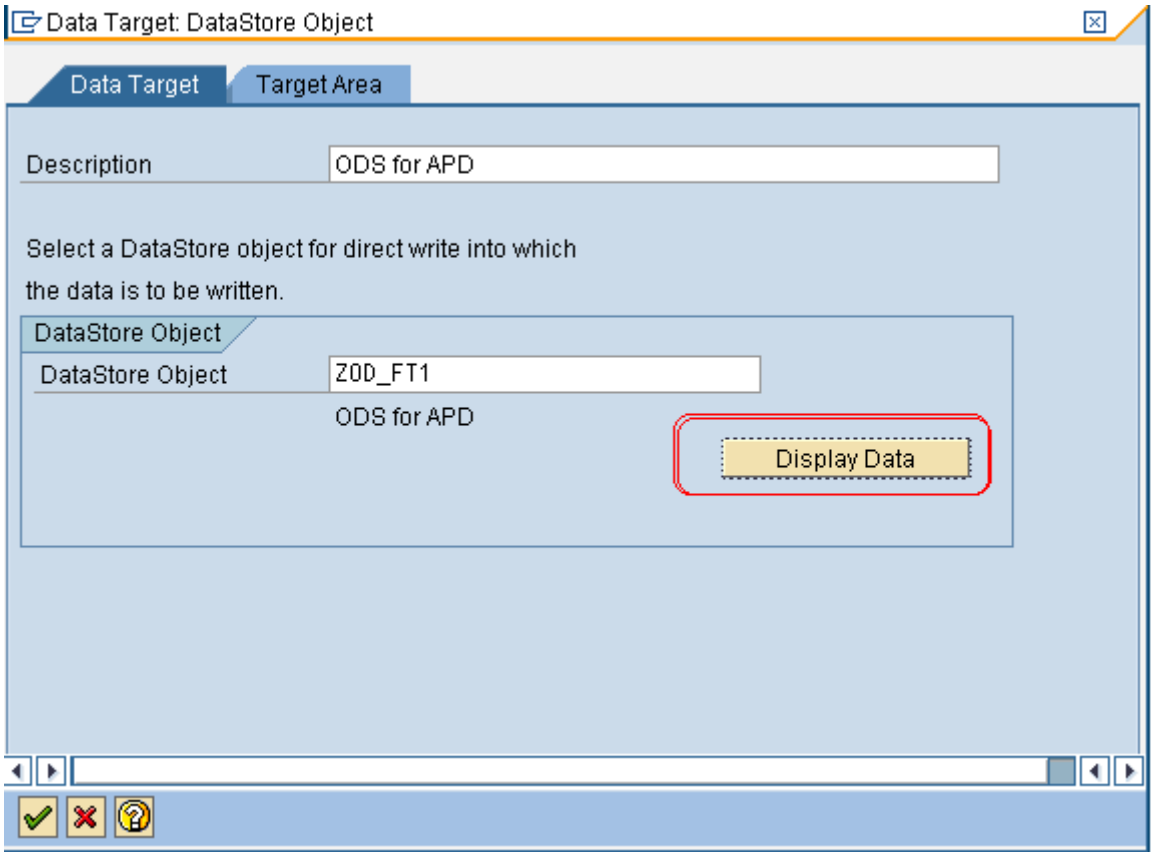
In Data Target Tab give our DSO Technical name.



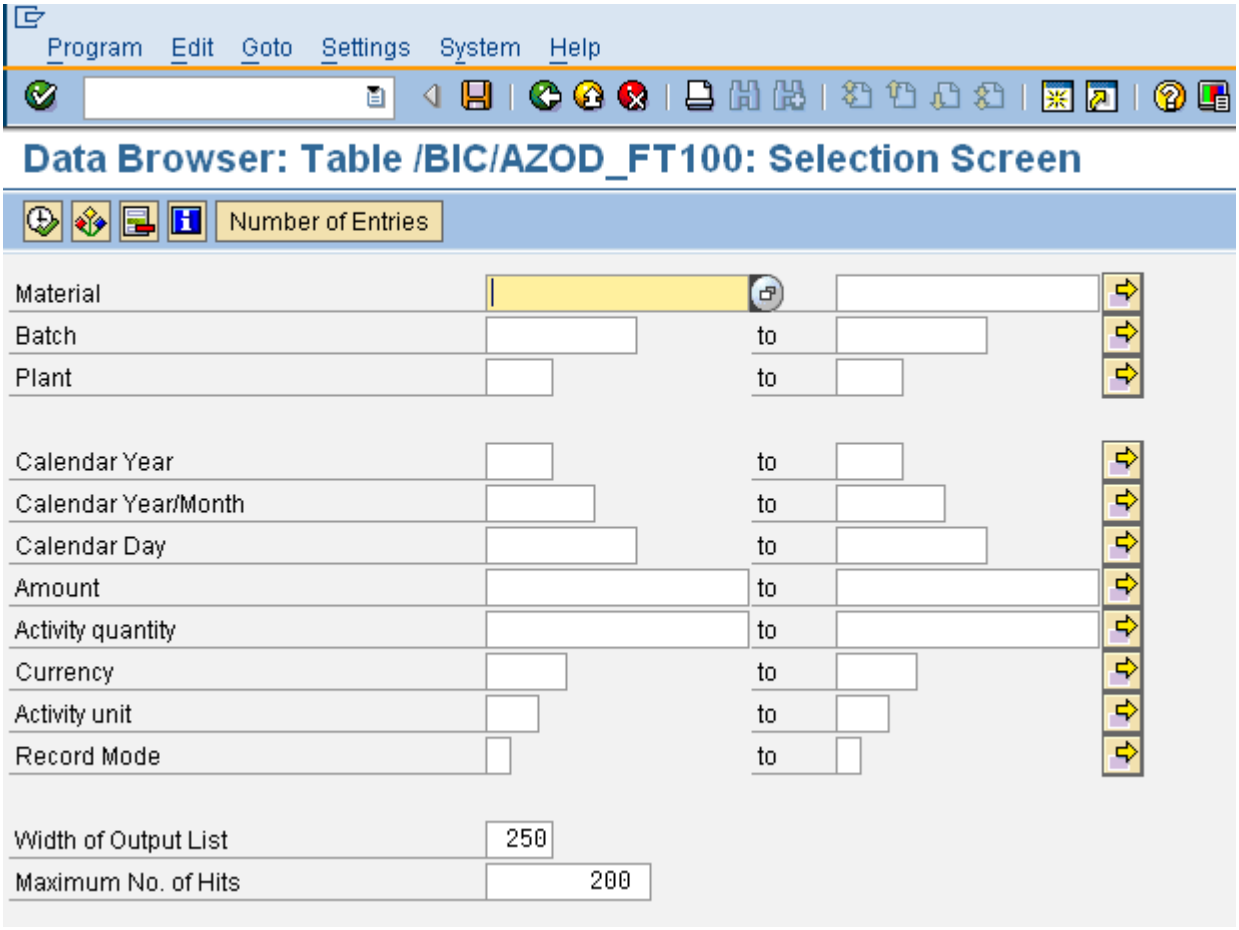
If you see in the above figure the Display Data Button is disabled.

You can see the Key Fields in the Target Area Tab. And by default it will Overwrite Complete Constant of the DataStore Object.

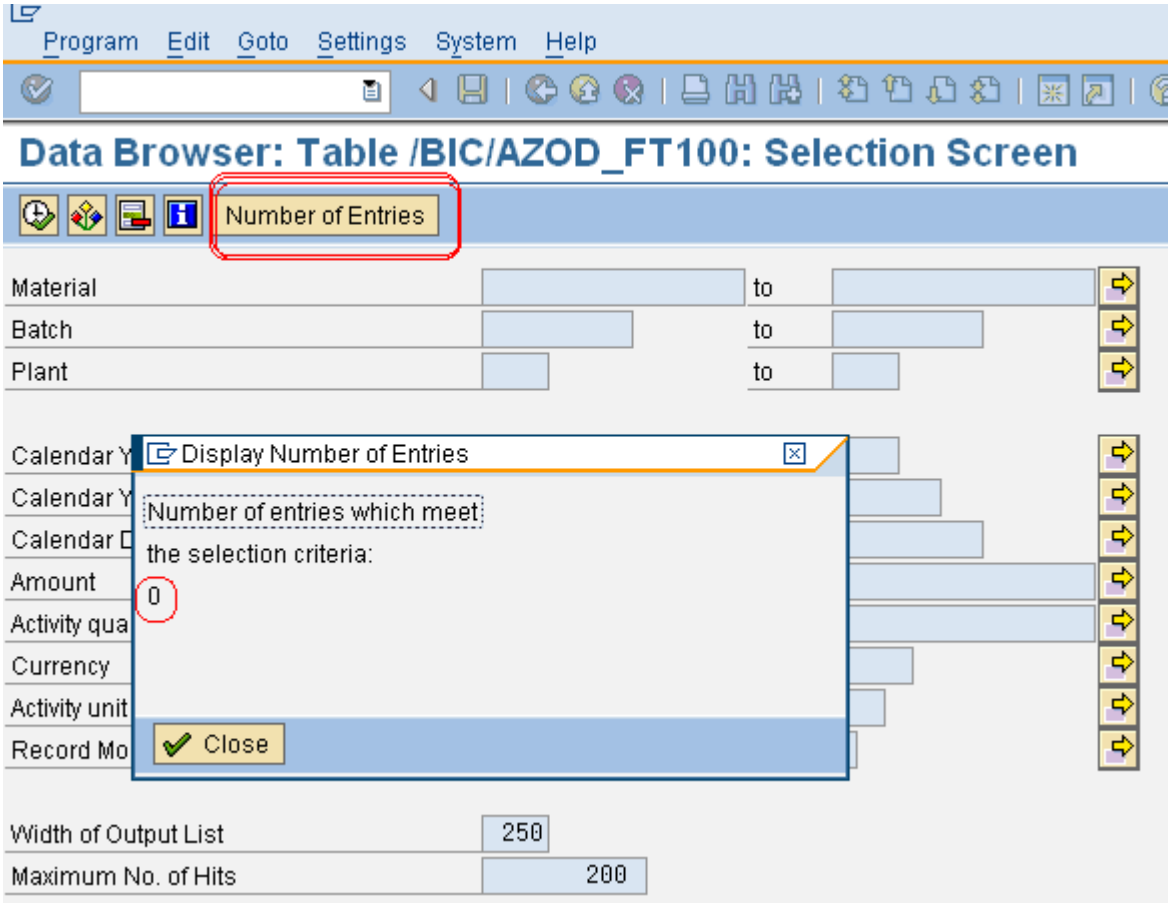




Once you give the DSO name and then enter, after that you can see the Display Data Button is enabled, so just click on that and it will takes to you to DSO Table screen, i.e. you can see it in SE11 also by giving the Technical name of our DSO.



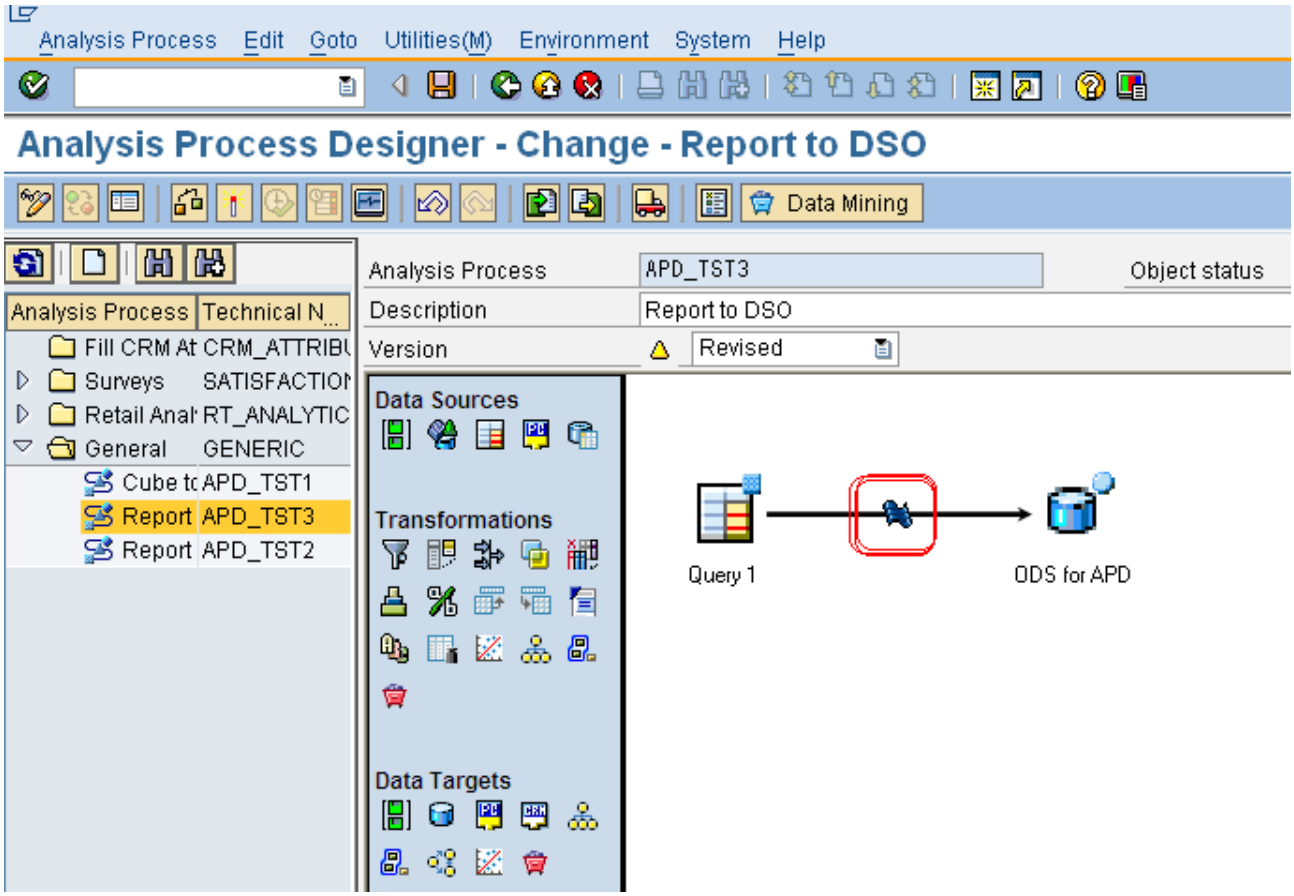
You just click on Number of Entries button, it will display ZERO records, because this DSO is having no data, once we will execute the APD then it will get the data.



See in the above screen, it is showing ZERO records.

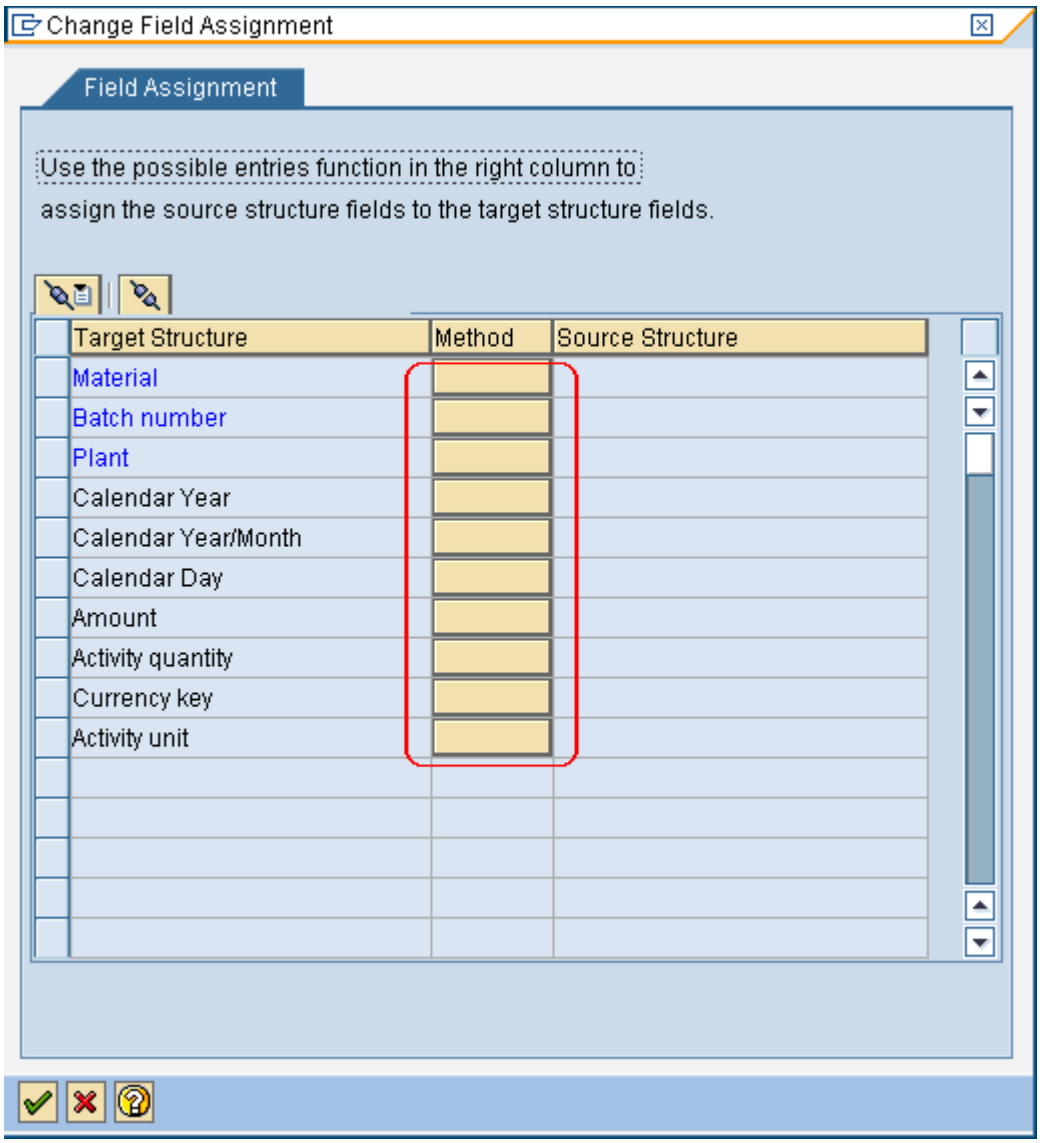
You just come back to original screen and then join the Report and DSO, i.e. just drag and drop line between two objects.

Step 4



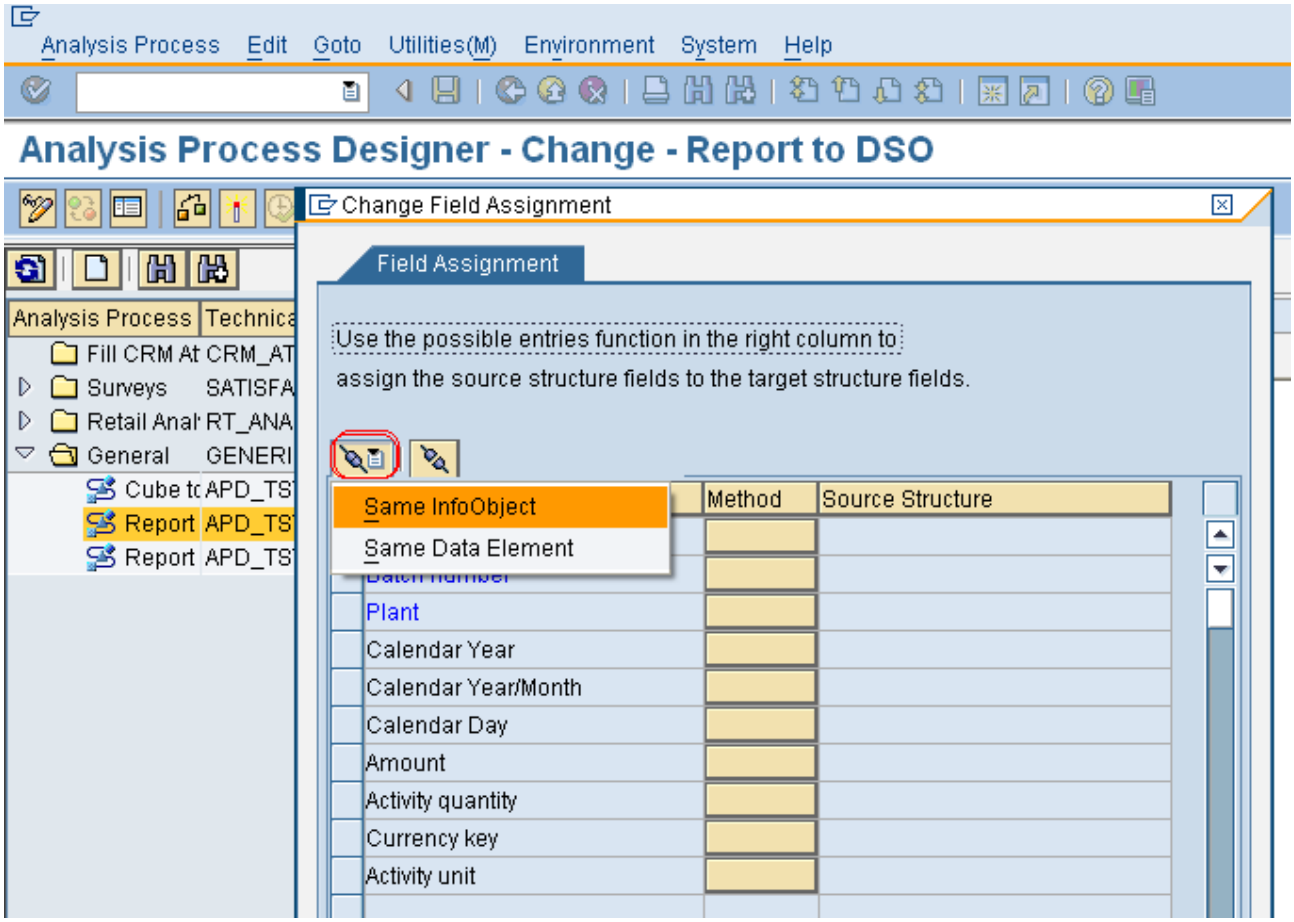
Now click on Transformation Symbol and see the mappings, by default it won't map any InfoObjects, we need to map it.

See the below screen.



All are empty.

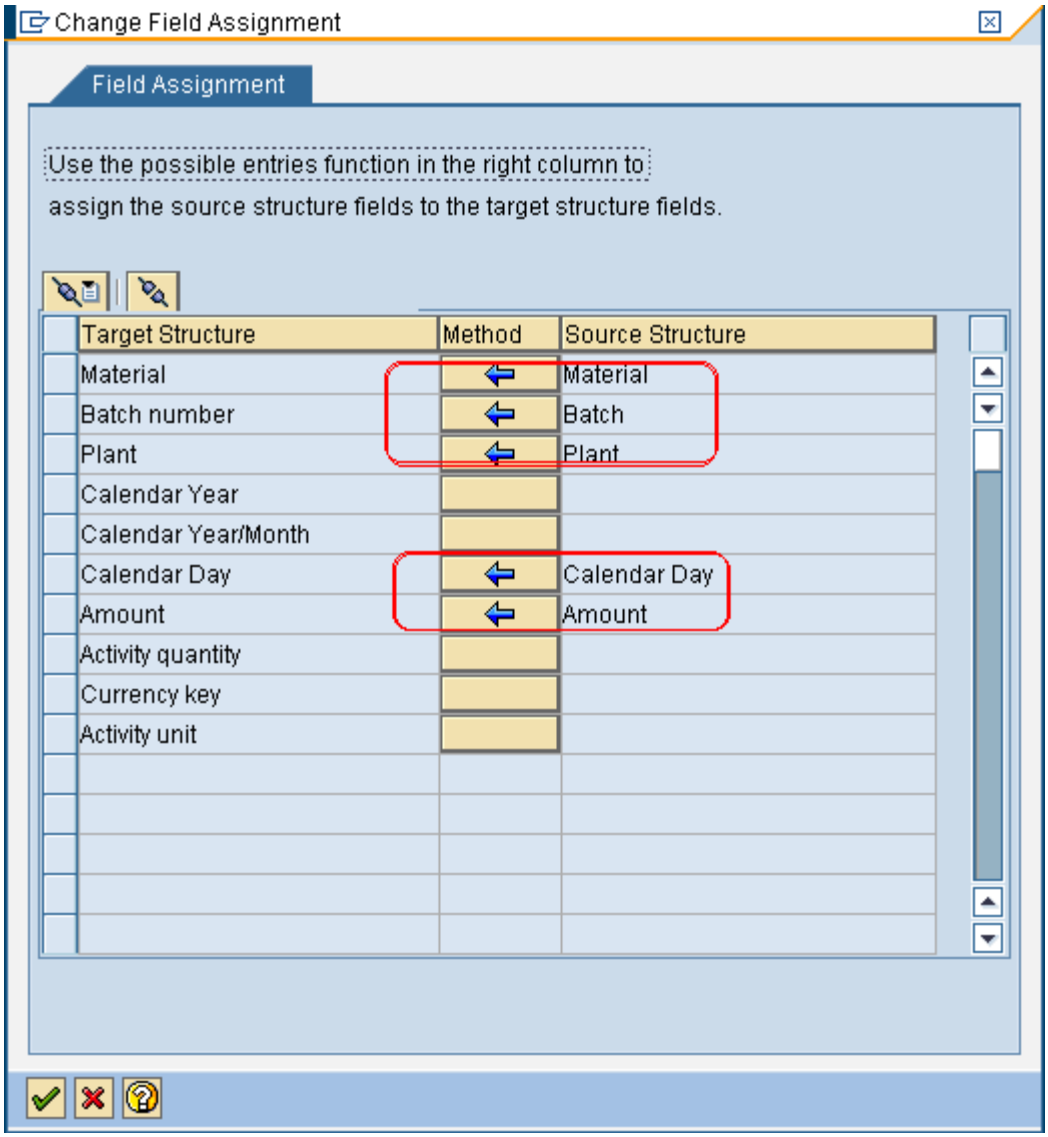
You just click on Join Icon and select the Same InfoObject option, it will propose the mappings.



In Report we have only following InfoObjects.

- Material
- Batch
- Plant
- Calendar Day
- Amount

So by default it will propose the mappings for those InfoObjects.

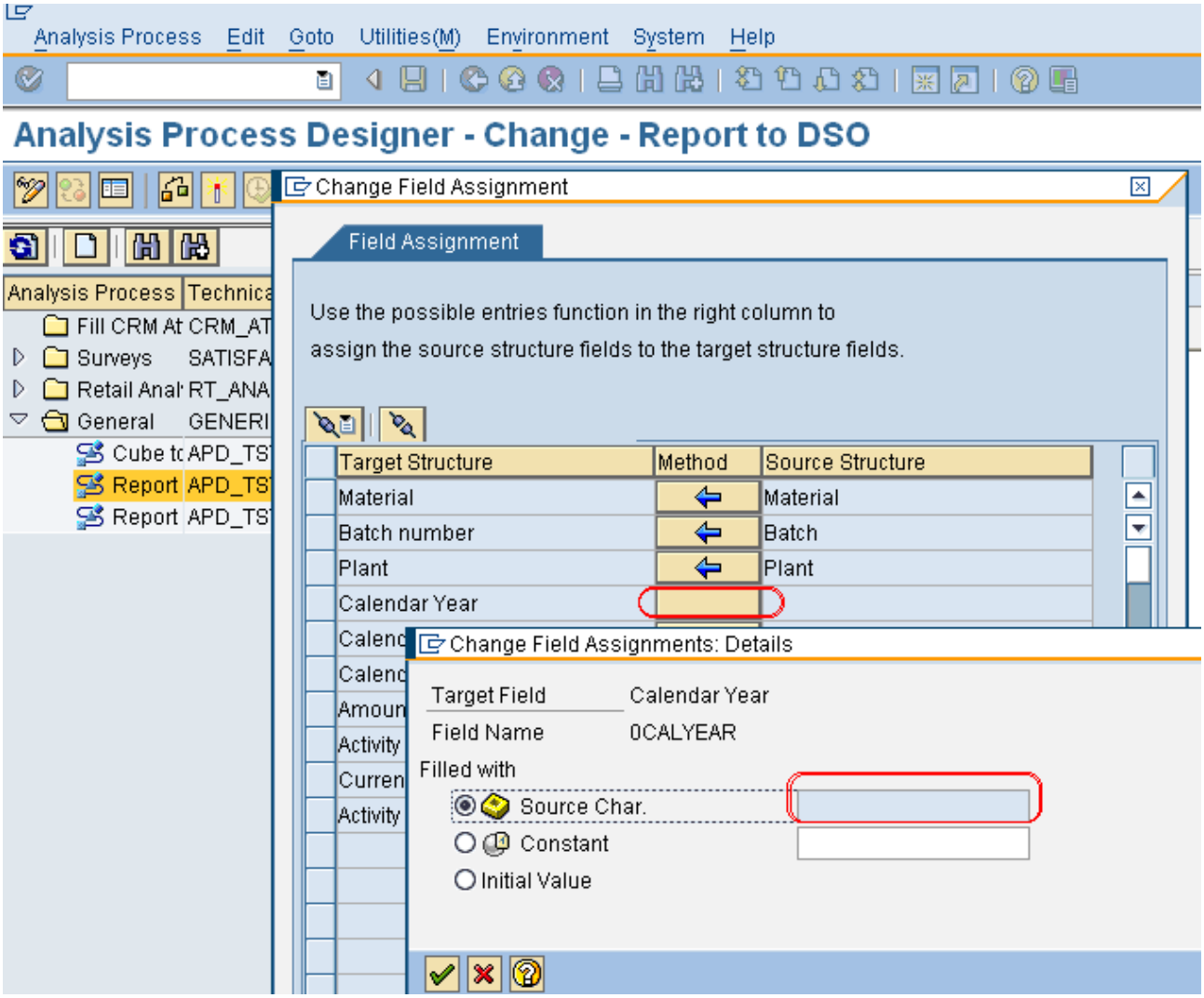


We have the following extra InfoObjects in DSO.

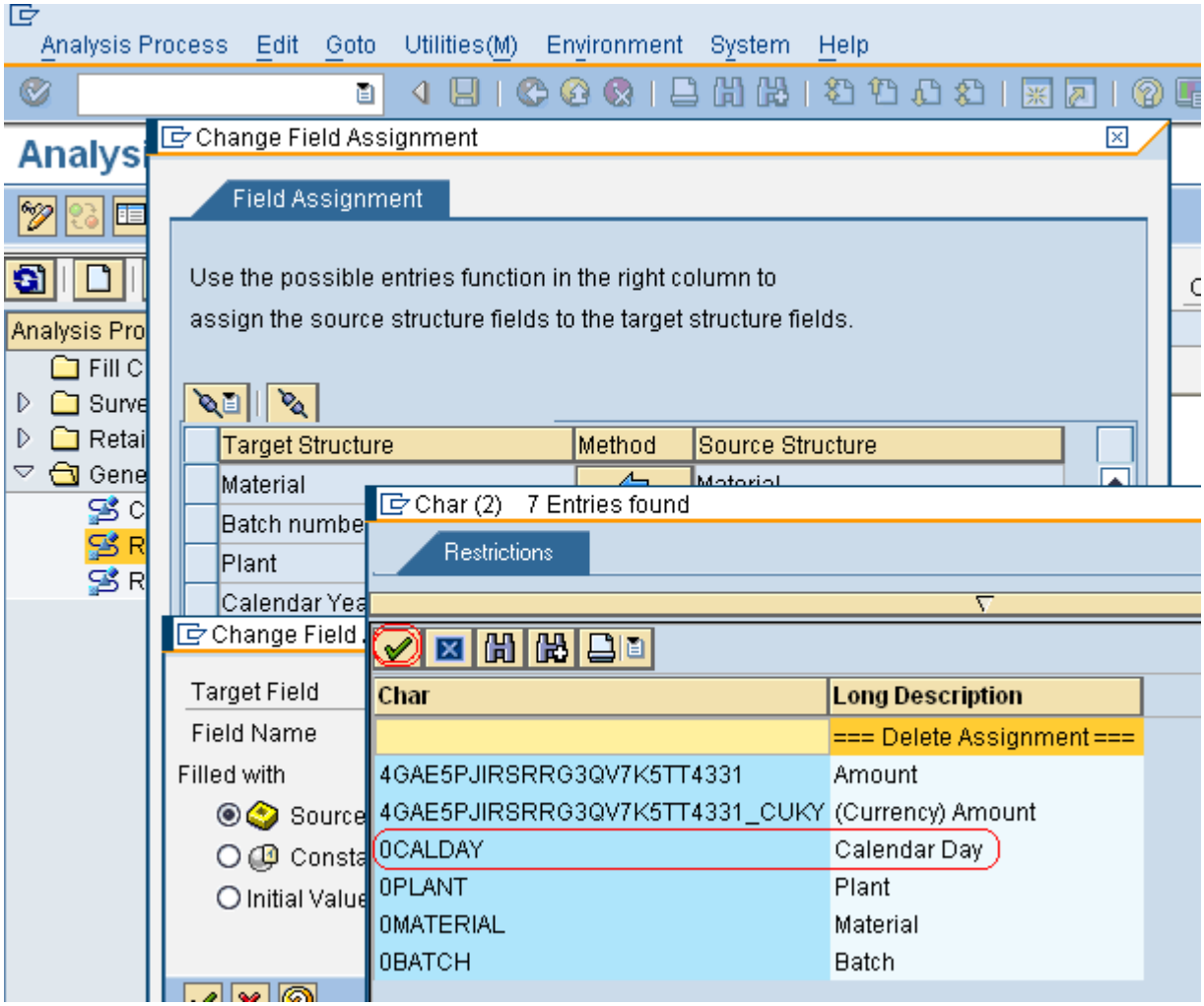
- Calendar Year/Month
- Calendar Year

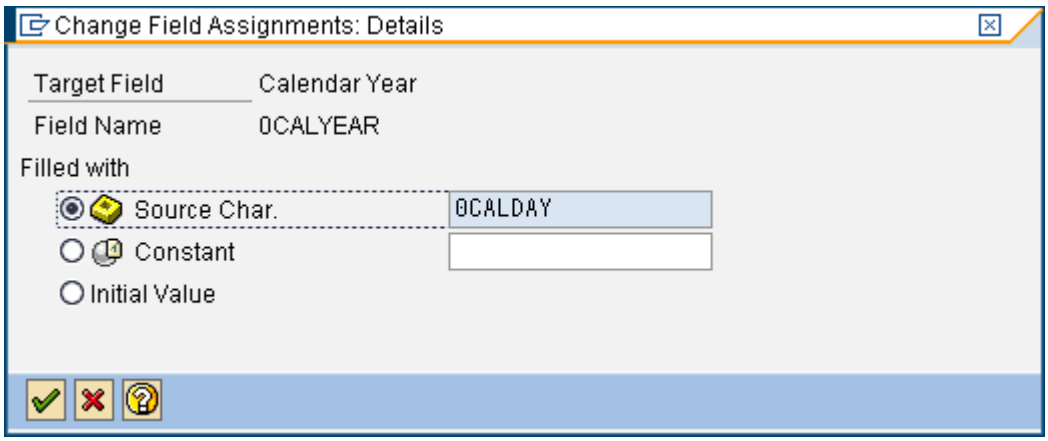
For the above InfoObjects we need to map it manually. It is like exactly normal Transformations mapping.

Click on Calendar Year and select the Calendar day

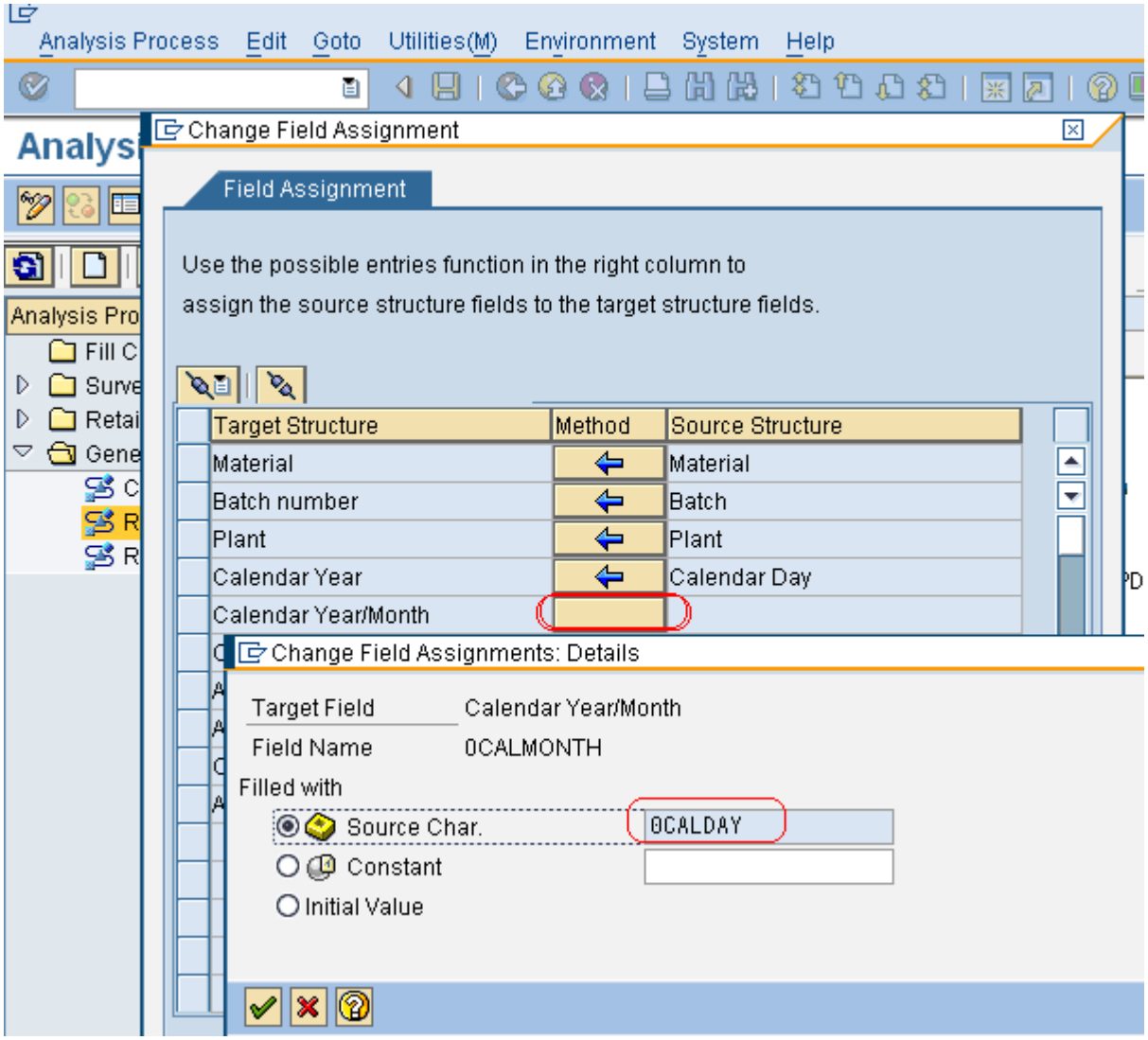


Press F4 and select the Calendar day. See the below Screen.

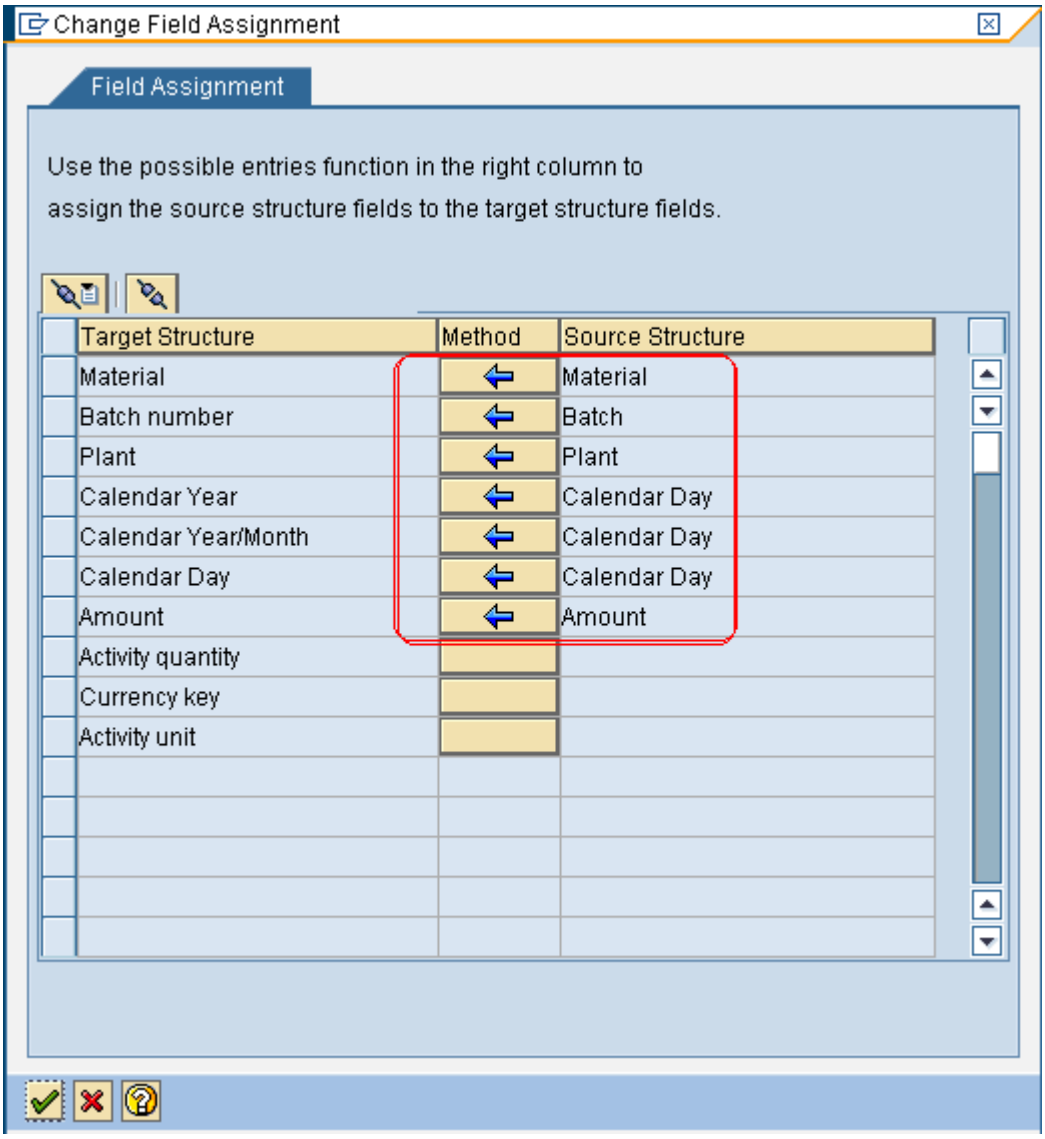




In the same way select Calendar day for Calendar Month also.



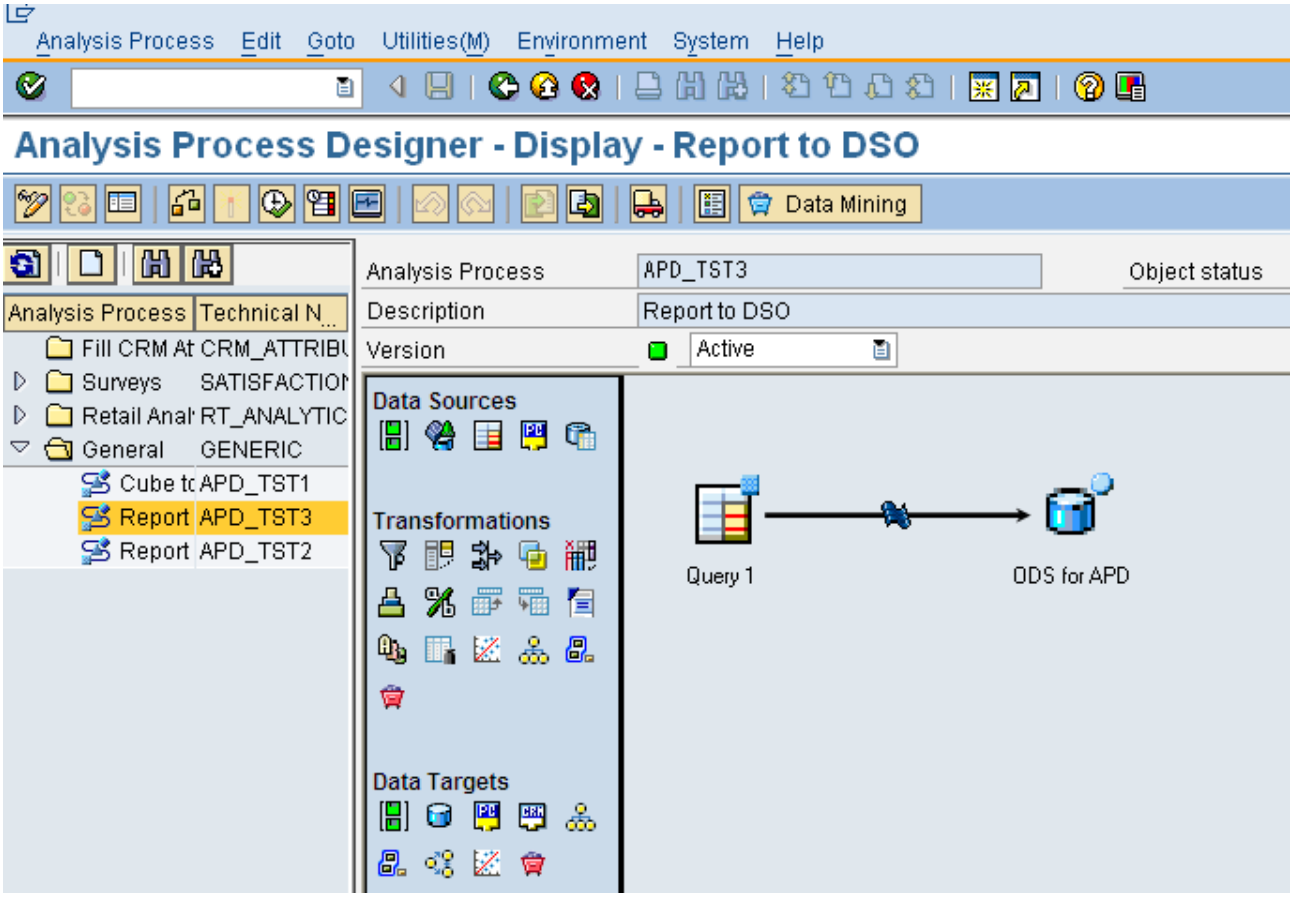
So the Calendar Month and Year will get the data from Calendar day only using some internal routines, system will take care that splitting the data.



Now in the above figure you can see the mappings for all InfoObjects.

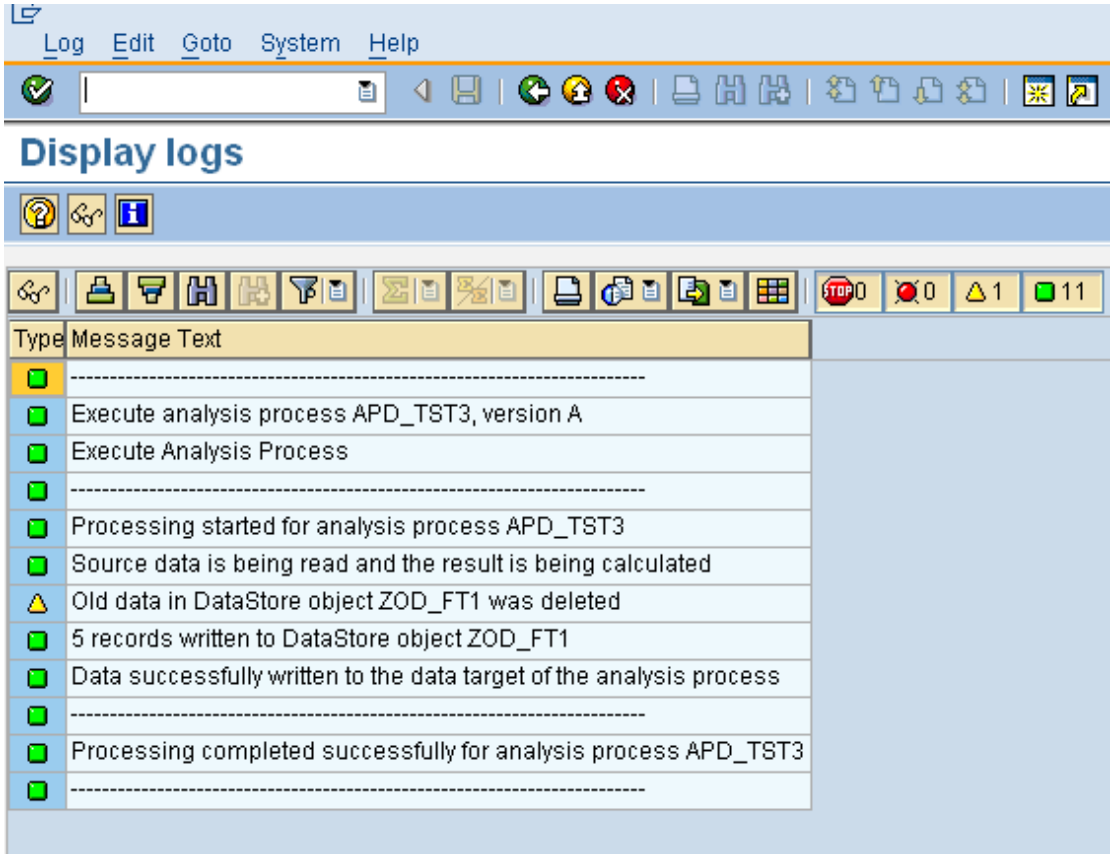
Step 5

Now Save and Activate the APD.

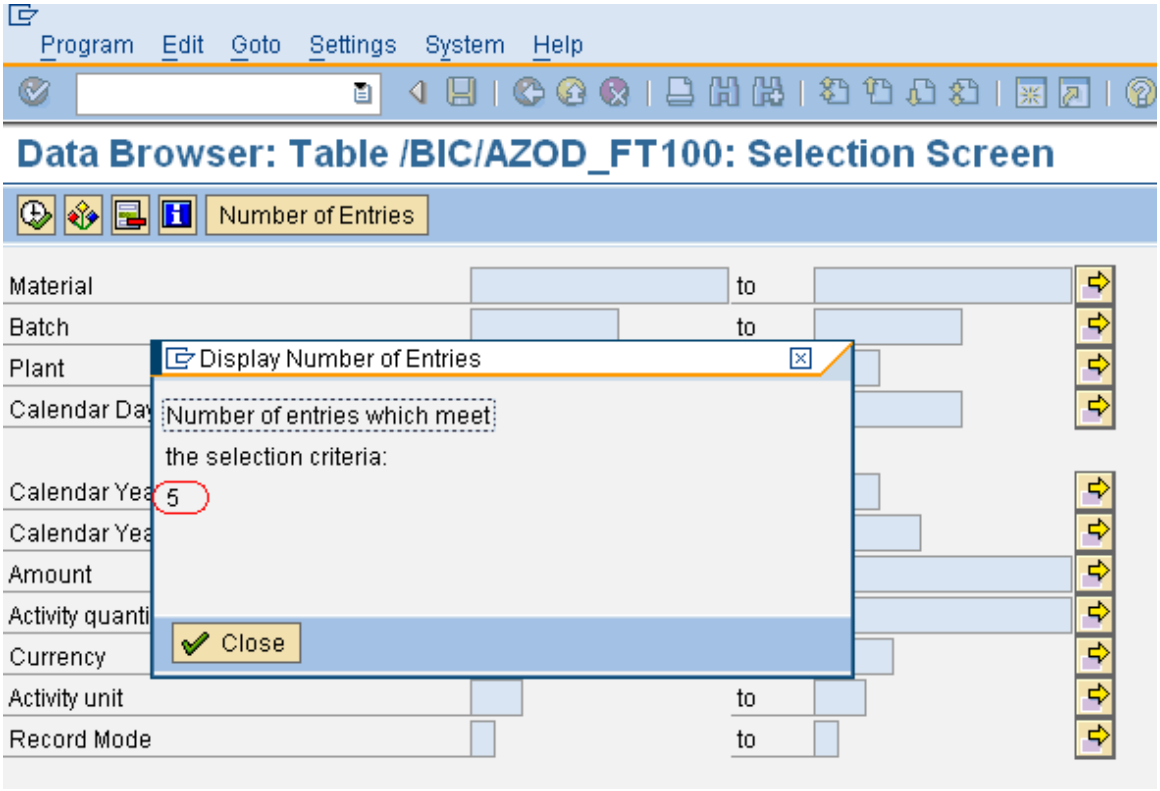


After Activation you can see the green light, and then execute the APD.

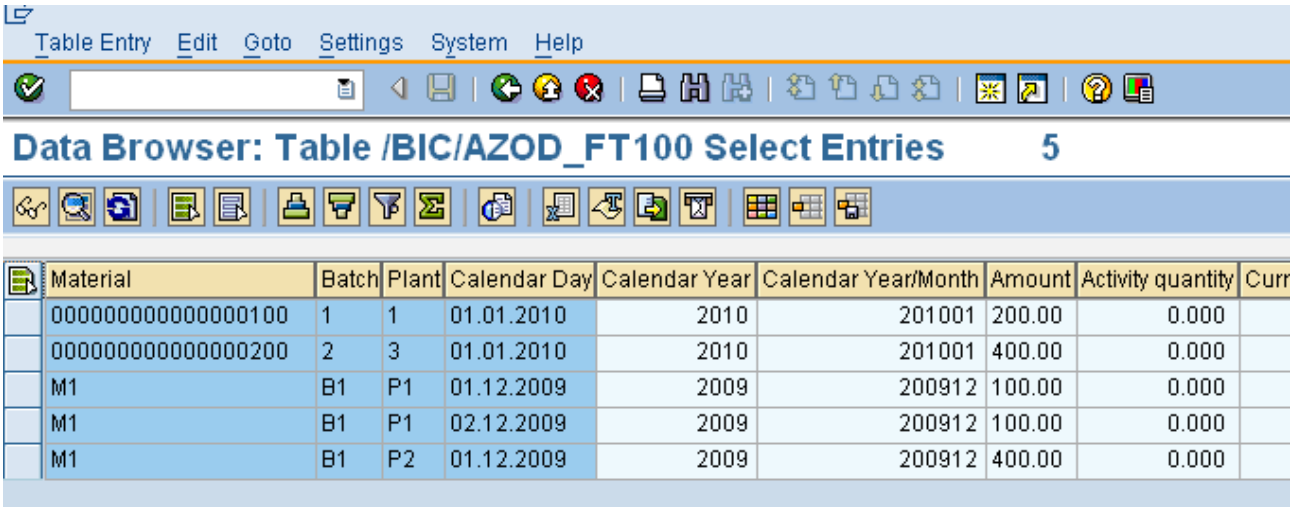
If it is success, it will show the following screen.



After that you can see the data in that DSO.



See the actual data in DSO.



Material	Batch	Plant	Calendar Day	Calendar Year	Calendar Year/Month	Amount	Activity quantity	Curr
000000000000000100	1	1	01.01.2010	2010	201001	200.00	0.000	
000000000000000200	2	3	01.01.2010	2010	201001	400.00	0.000	
M1	B1	P1	01.12.2009	2009	200912	100.00	0.000	
M1	B1	P1	02.12.2009	2009	200912	100.00	0.000	
M1	B1	P2	01.12.2009	2009	200912	400.00	0.000	

Related Content

Analysis Process Designer (APD): Part - 1

Analysis Process Designer (APD): Part - 2

Analysis Process Designer

Using Customer Exit Variables in BW Reports Part - 3

How to use Customer Exit Variables in BW Reports: Part - 2

Using Customer Exit Variables in BW or BI Reports Part - 1

Using Text Variables with Customer Exits in Report Headings

Using Text Variables with Customer Exits in Report Headings

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