

Informatica Power Center 9.0.1

Building Financial Data Mode - Lab#13 Hands-on Guide on Lookup Transformation

Description:

BISP is committed to provide BEST learning material to the beginners and advance learners. In the same series, we have prepared a complete end-to-end Hands-on Guide for building financial data model in Informatica. The document focuses on how the real world requirement should be interpreted. The mapping document template with very simplified steps and screen shots makes the complete learning so easy. The document focuses on Lookup Transformation. Join our professional training program and learn from experts.

History:

Version	Description Change	Author	Publish Date
0.1	Initial Draft	Upendra Upadhyay	10/01/2011
0.1	Review#1	Amit Sharma	11/01/2011

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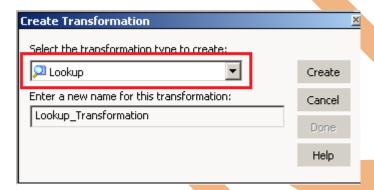
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Introduction

Lookup Transformation in Informatica.

Lookup transformation is used to look up data in a flat file, relational table, view or synonym. Lookup is a passive/active transformation and can be used in both connected/unconnected modes. From Informatica version 9 onwards lookup is an active transformation. The lookup transformation can return a single row or multiple rows.

Lookup Transformation.



Description:

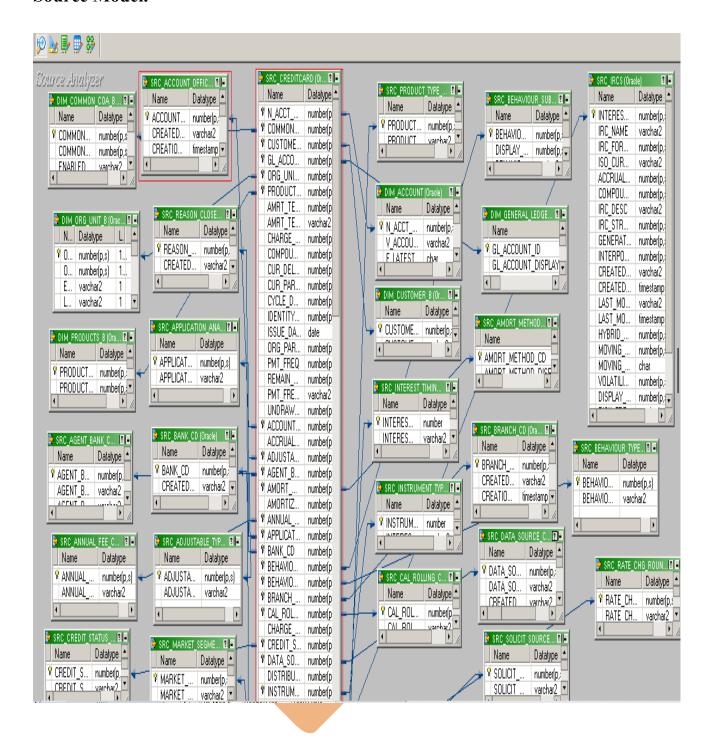
Source Table Name - SRC CREDITCARD

Lookup Table Name - SRC ACCOUNT OFFICER CD [Account Officer CD]

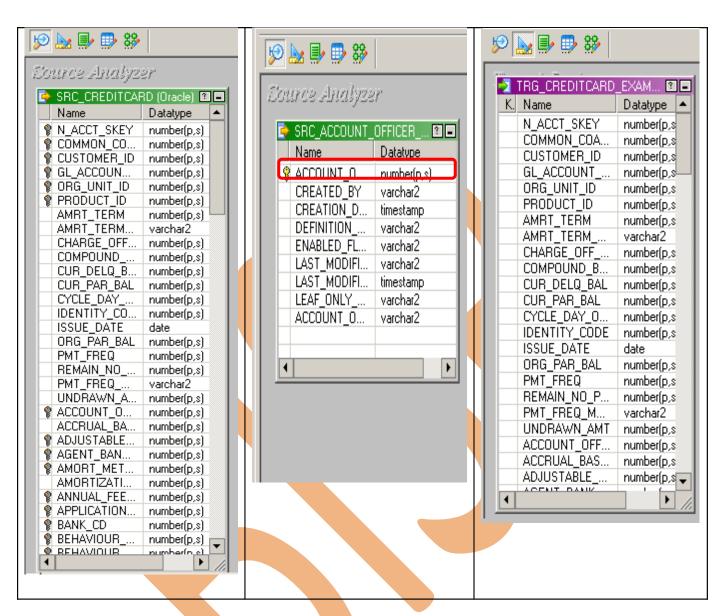
Target Table Name - TRG CREDITCARD EXAMPLE

In this example, account officer cd the data from source table SRC CREDITCARD goes to target table TRG CREDITCARD EXAMPLE provided that there is a corresponding records available in SRC_ACCOUNT_OFFICER_CD table.

Source Model.



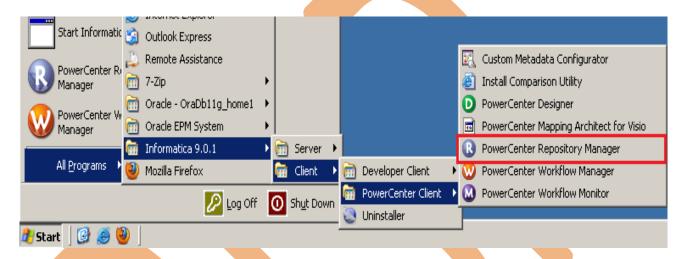
Source Table Lookup Table **Target Table**



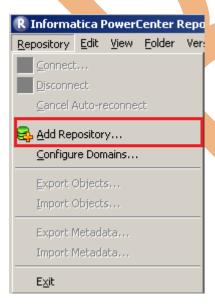
Creating Repository and Folder

Creating Repository & Connecting it.

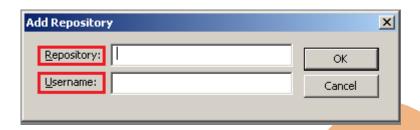
Step-1 First create repository, Click on Start -> All Programs -> Informatica 9.0.1 -> Client -> Power Center Client -> Power Center Repository Manager.



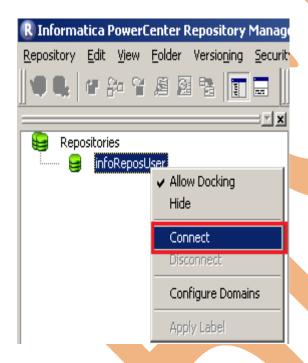
Step-2 Then click on Repository Menu and click on Add Repository.



Step-3 Give information like Repository Name and Username. Then click on ok button and repository created successfully.



Step-4 Now connect repository. Right click on newly created repository and click on connect.



Step-5 Give Username & password and click on Connect.

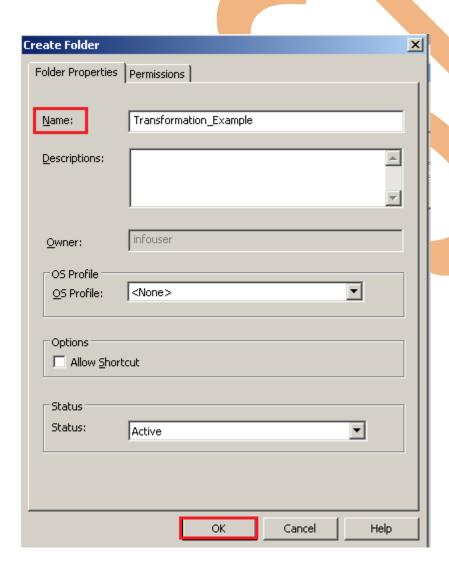


Creating Folder.

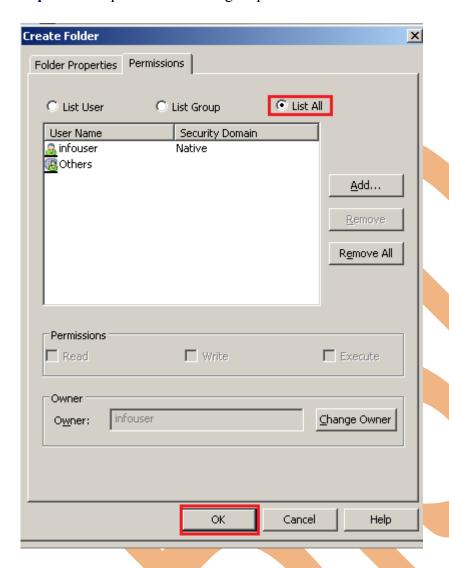
Step-1 Go to Informatica Power Center Repository Manager and click on Folder Menu and click on Create.



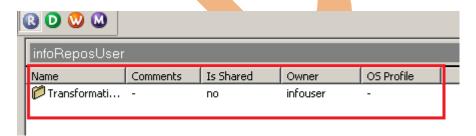
Step-2 Specify Name of Folder, Description, Owner, OS Profile, Options, Status and got to permissions tab.



Step-3 This is permission tab to give permission for this folder.

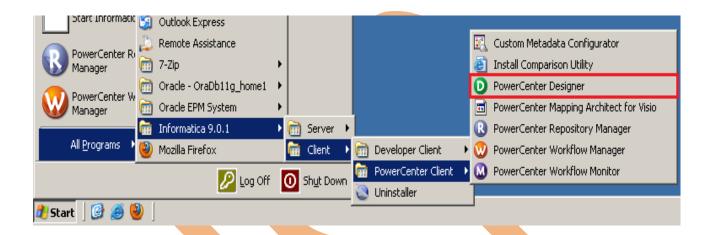


Step-4 This is newly created Folder

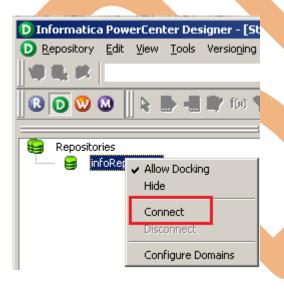


Importing Source and Target Table

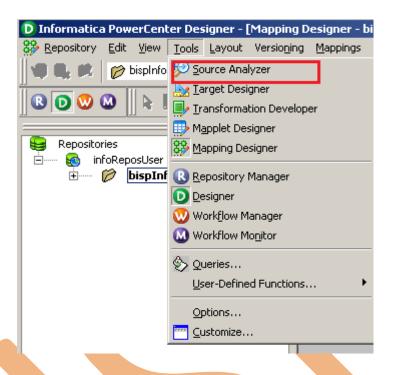
Step-1 Click on Start -> All Programs -> Informatica 9.0.1 -> Client -> Power Center Client -> Power Center Designer..



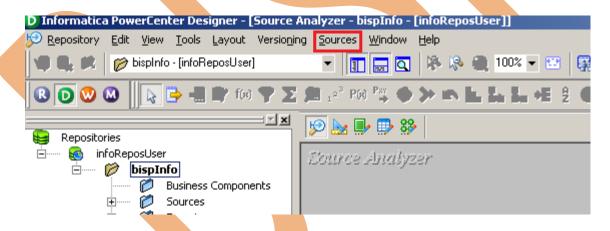
Step-2 Then Connect to Repository in Informatica Power Center Designer Right click on repository name and click on Connect.



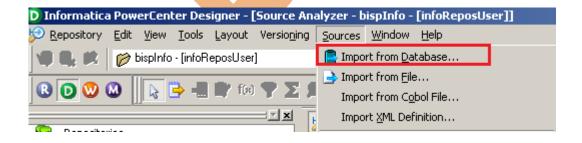
Step-3 Go to Tools Menu and click on Source Analyzer to import source table.



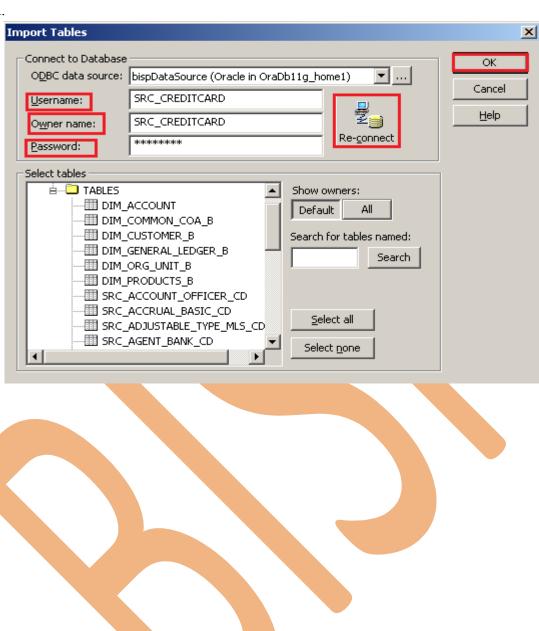
Step-4 And then go to Sources Menu in Informatica Power Center Designer.

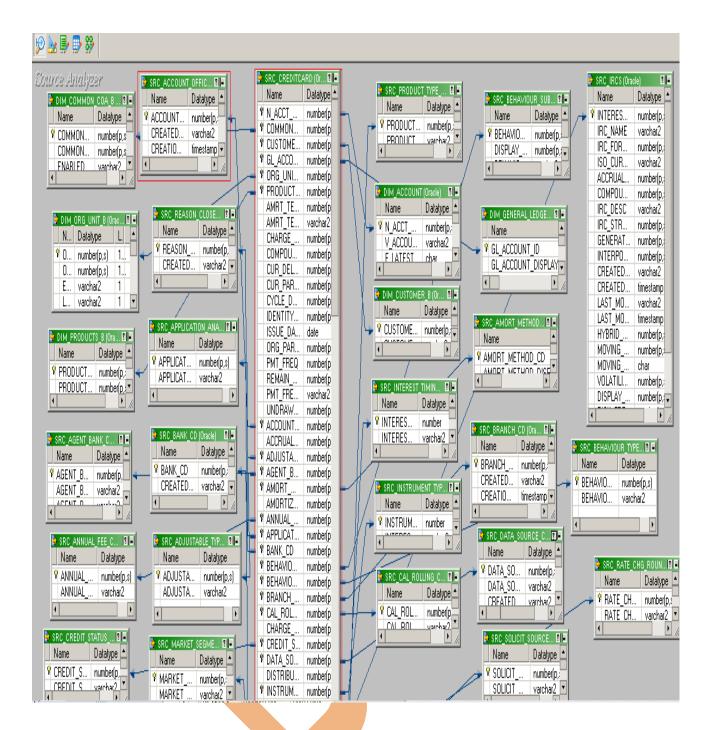


Step-4 And then select Source menu and click on Import from database

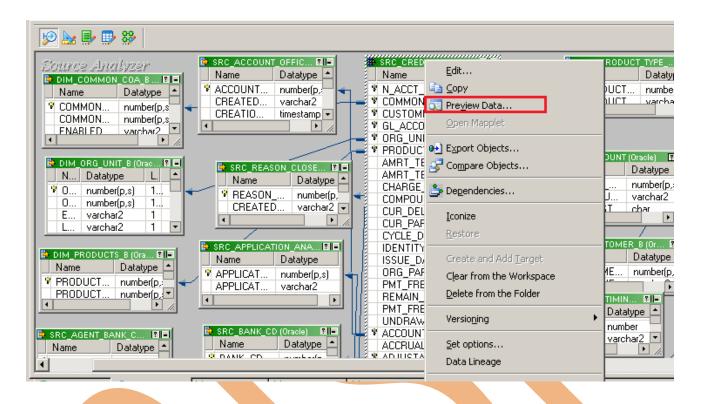


Step-5 Specify Username, Owner name, password and then connect. Then select source table and click OK.

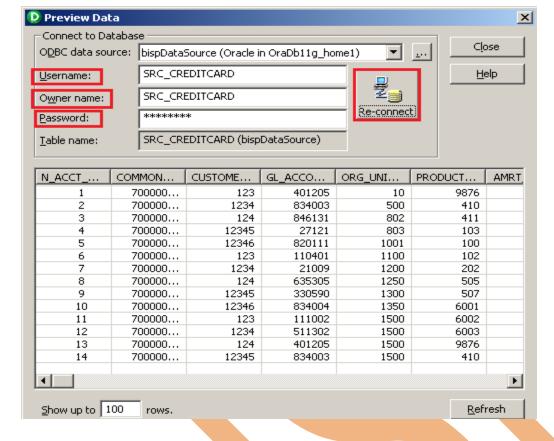




Step-6 View data in source analyzer, Right click on SRC CREDITCARD and select Preview Data.



Step-7 Specify Username and Password and connect it. Then Close it.

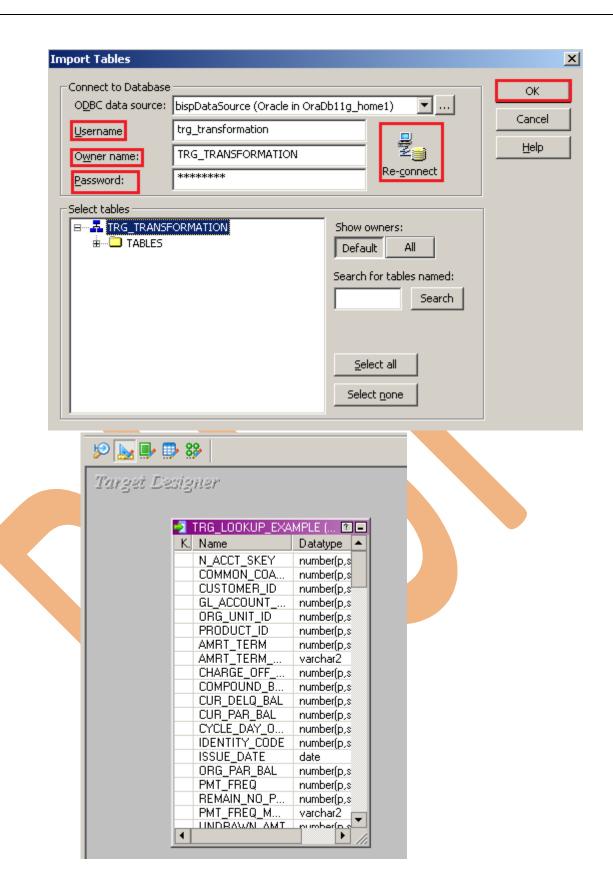


Step-8 Now click on Target Designer.

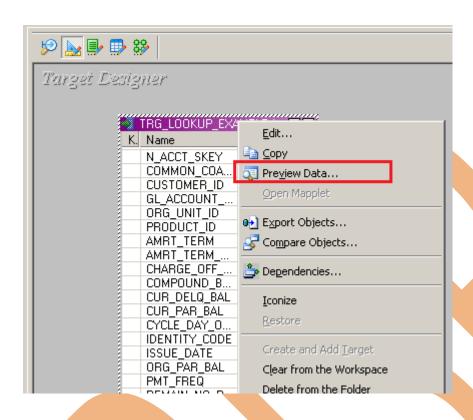
Step-9 And then select Target menu and click on Import from database to import target table.

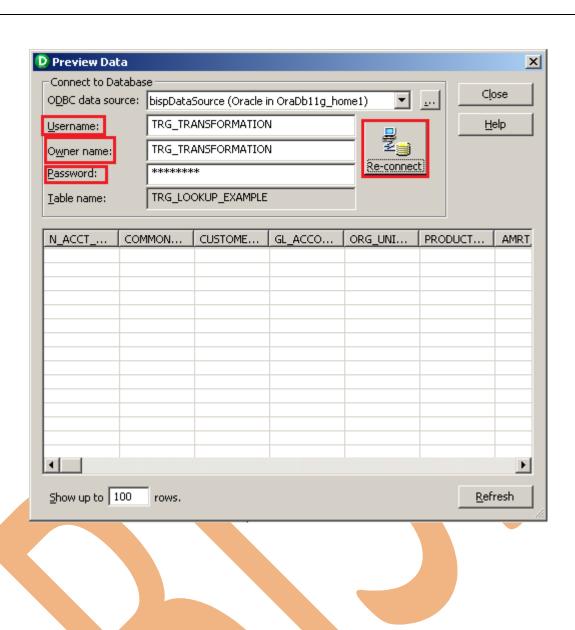


Step-10 Specify Username, Owner name, password and then click on connect and then select table and then OK.



Step-11 To view data select table and Right click on that table after that specify Username and Password and connect it. Then Close it.



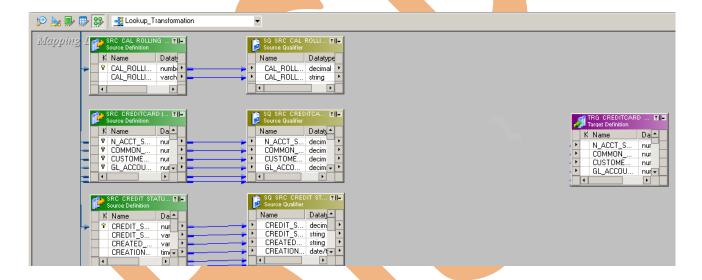


CREATE MAPPING AND APPLY LOOKUP

Step-1 Go to Mapping Designer and Create New Mapping and then name of mapping and click OK.



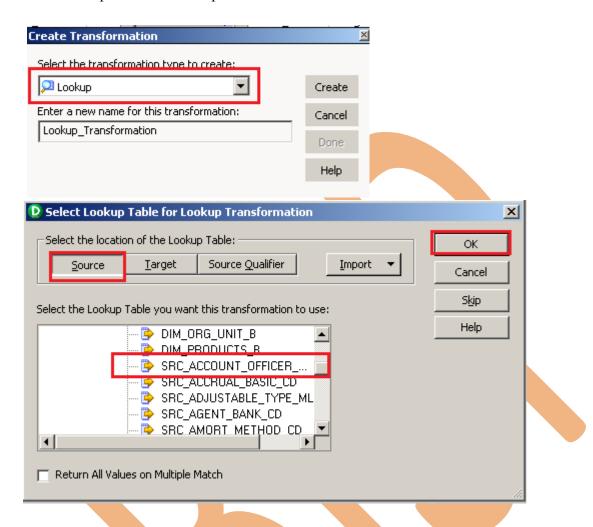
Step-2 Then drag and drop source and target table in Mapping Designer Window.



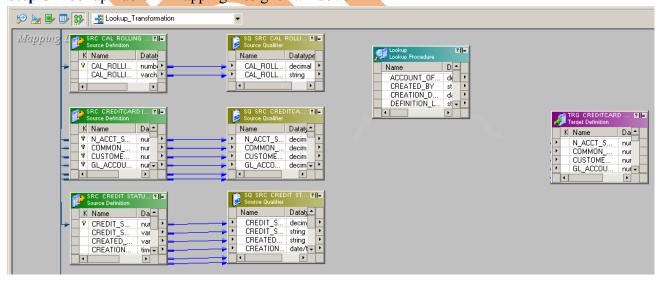
Step-3 Then create transformation, Click on Transformation menu and select Create



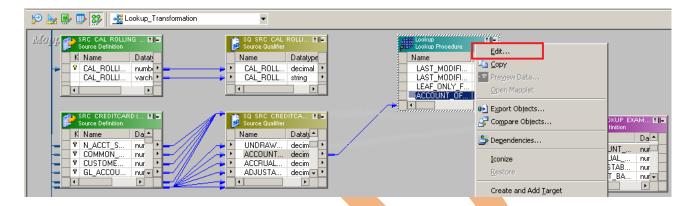
Step-4 Then select Lookup in dropdown and give name of transformation and click Create, then select lookup table for Lookup Transformation and then click Done.



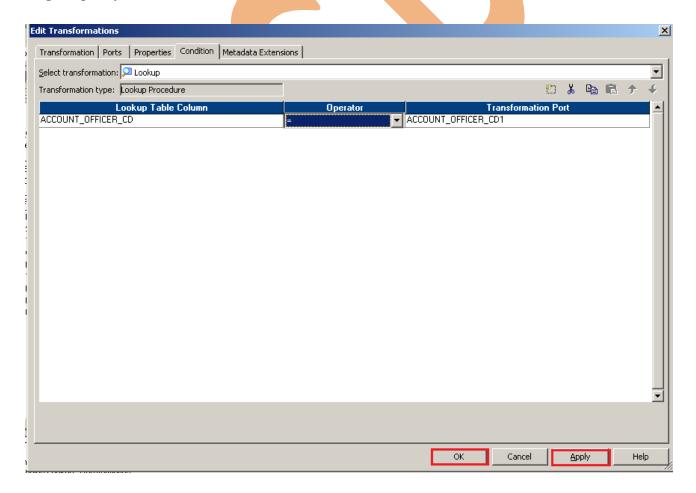
Step-5 Lookup Table in Mapping Designer window.



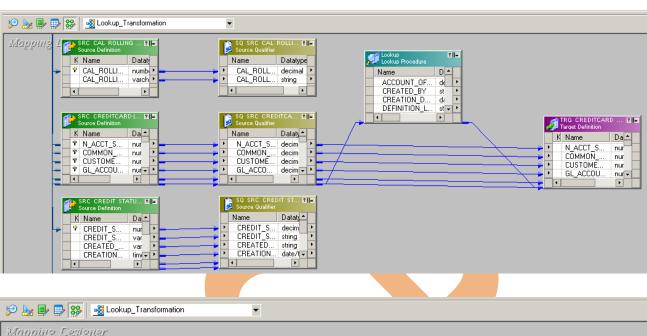
Step-6 Then drag and drop the column in Lookup Table and right click on Lookup Table and select Edit.

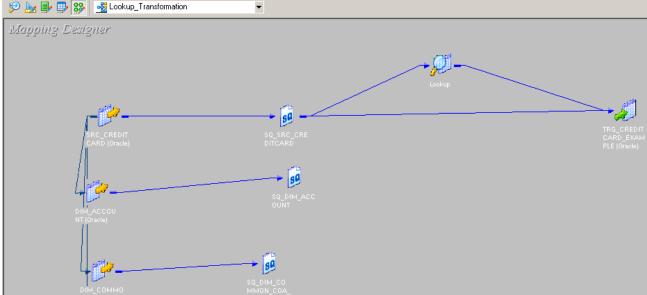


Step-7 Specify Condition in condition tab and click OK.



Step-8 Now, Create Mapping.



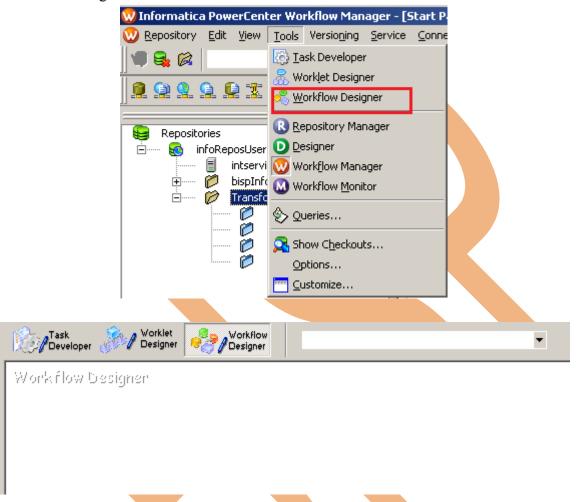


Step-9. Save this mapping.

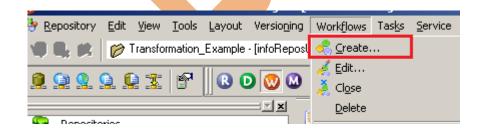
11/22/2012 09:21:42 ** Saving... Repository infoReposUser, Folder Transformation_Example Validating transformations of mapping Lookup_Transformation... ...transformation validation completed with no errors. Validating data flow of mapping Lookup_Transformation... ...data flow validation completed with no errors. Parsing mapping Lookup_Transformation... ...parsing completed with no errors. ******* Mapping Lookup_Transformation is VALID ******* mapping Lookup_Transformation updated.

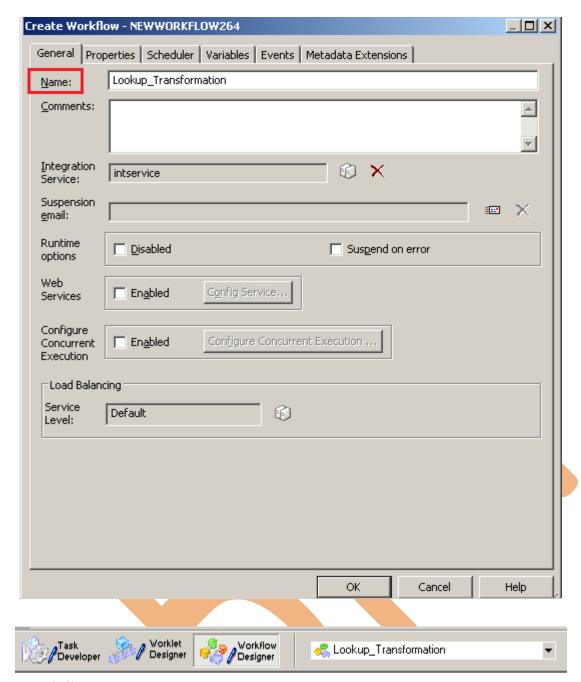
CREATE WORKFLOW

Step-1 Now go to Informatica Power Center Workflow Manager, and go to Tools menu and select Workflow Designer.



Step-2 Now to create workflows, Go to Workflows menu and select Create. After that Name of workflow and click OK buttons.

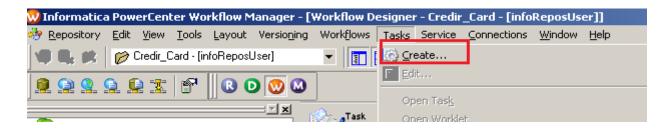




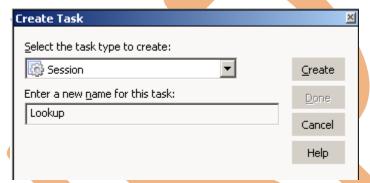
Work flow Designer



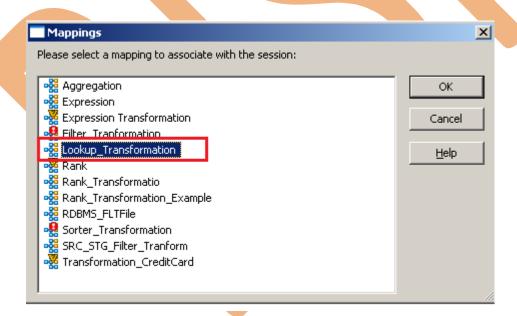
Step-3 Now create Task, Go to Tasks Menu and click Create.



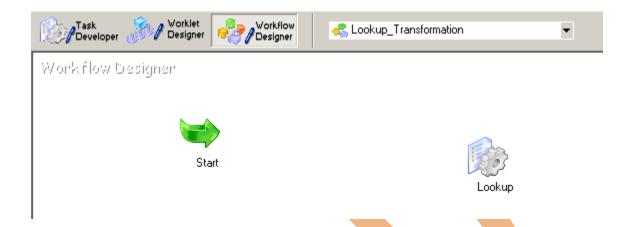
Step-4 Now select session and insert Name of task.



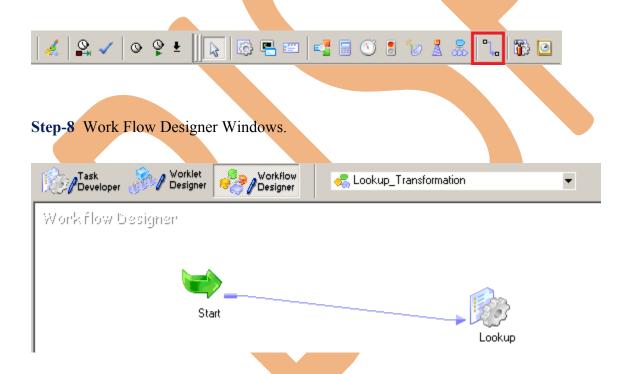
Step-5 Select Mapping to associate with the session.



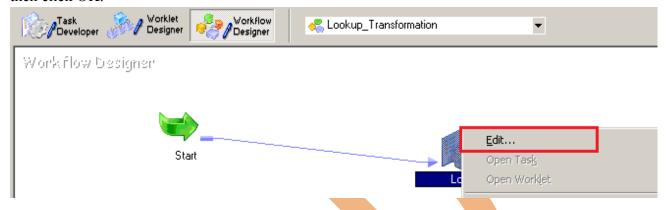
Step-6 Workflow Designer Window.



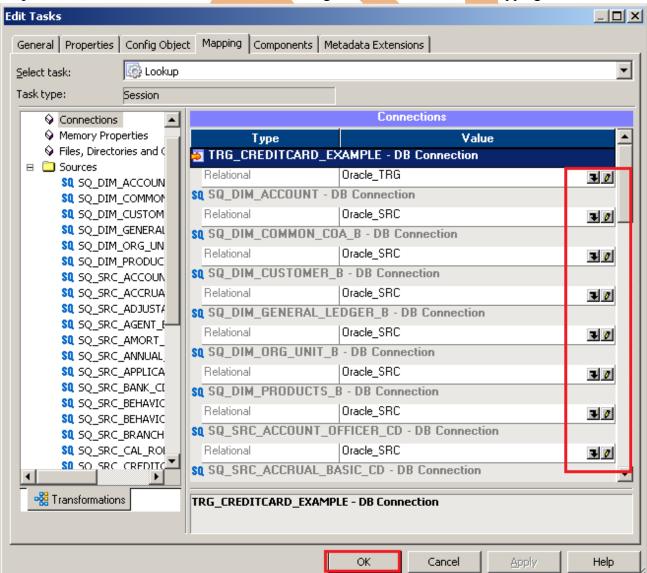
Step-7 Now create flow B/W Workflow to Task. Select Line Task and link to Start to Filter.



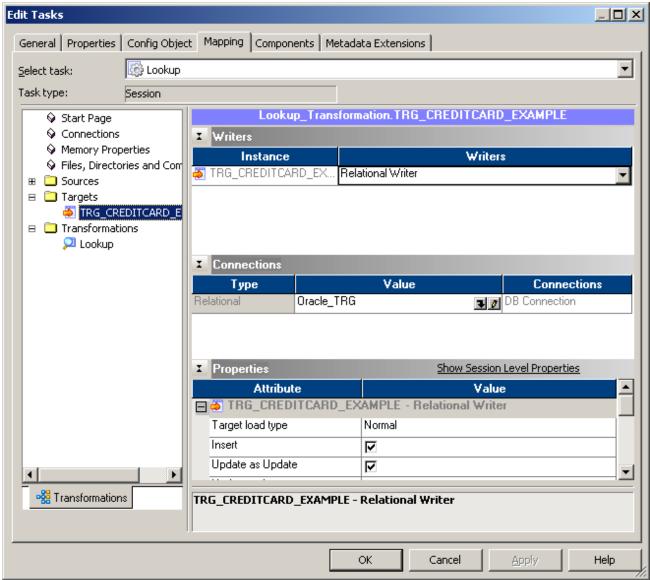
Step-9 Now Configure Connection to Target, Then Right Click on Expression and Edit, Then Click Mapping tab and configure connection for your Target table schema in oracle 11g RDBMS. And then click OK.



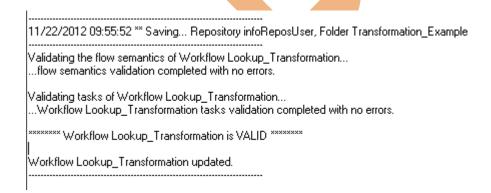
Step-10 Select DB Connection for Source and Target Relation Database in Mapping tab.



Step-10 Select Target table Property.

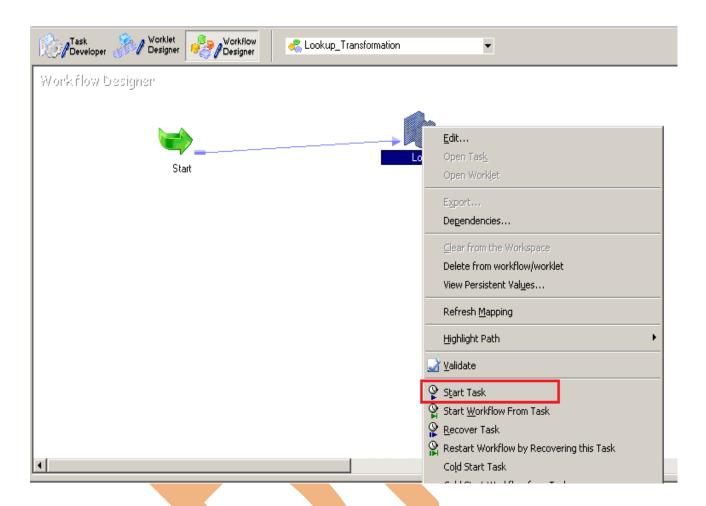


Step-11 Now save (ctrl+s) this workflow and check it.

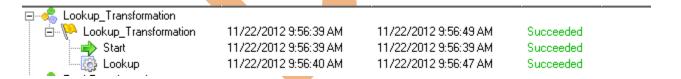


WORKFLOW MONITOR AND VIEW TARGET DATA

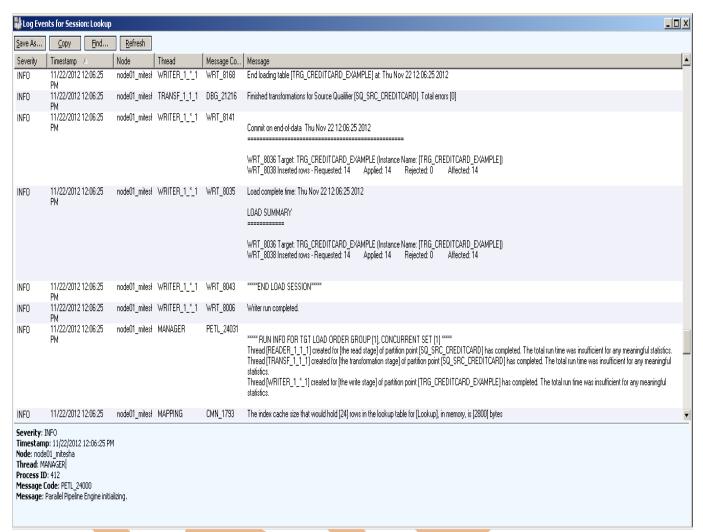
Step-1 Now Start Workflow, Right click on Workflow Designer Window and Click on Start Workflow.



Step-2 Check session in Informatica PowerCenter Workflow Monitor.



Step-3 Session log.





Step-4 Now view data in Target RDBMS (Oracle 11g)

