

Name of Solution:

Mapping : Execute SQL Statement using JDBC

Business Requirement:

PowerCenter Java Transformation to read the source data using JDBC connection

Solution URL:

<https://community.informatica.com/solutions/1136>

Supported Versions:

PowerCenter 9.1 and 9.5

Description:

The PowerCenter "Read" Java Transformation can be used when you need to read data from a database which only supports JDBC. This transformation has input ports for the JDBC connection itself (JDBC Driver Name, Connection Parameter, User, Password) as well as input ports for the SQL Statement that you want to pass to the database. If needed there are also input ports to pass parameters used i.e. in a where clause. Any valid SQL Statement that is supported by the JDBC driver can be passed to the transformation. The PowerCenter "Read" Java Transformation for JDBC works a bit similar to the PowerCenter SQL Transformation.

Note:

- This Java transformation supports up to 30 columns as output ports, which are filled with the results of the SQL Statement (select * from). It is an active transformation, which can return several output rows for each incoming row.
- There is a pass through port that can be used if needed, to pass through the data, as the Java transformation is an active transformation.
- The PowerCenter Read Java Transformation does not cache data like a PowerCenter Lookup transformation. Each incoming row will send an SQL statement to the underlying database.

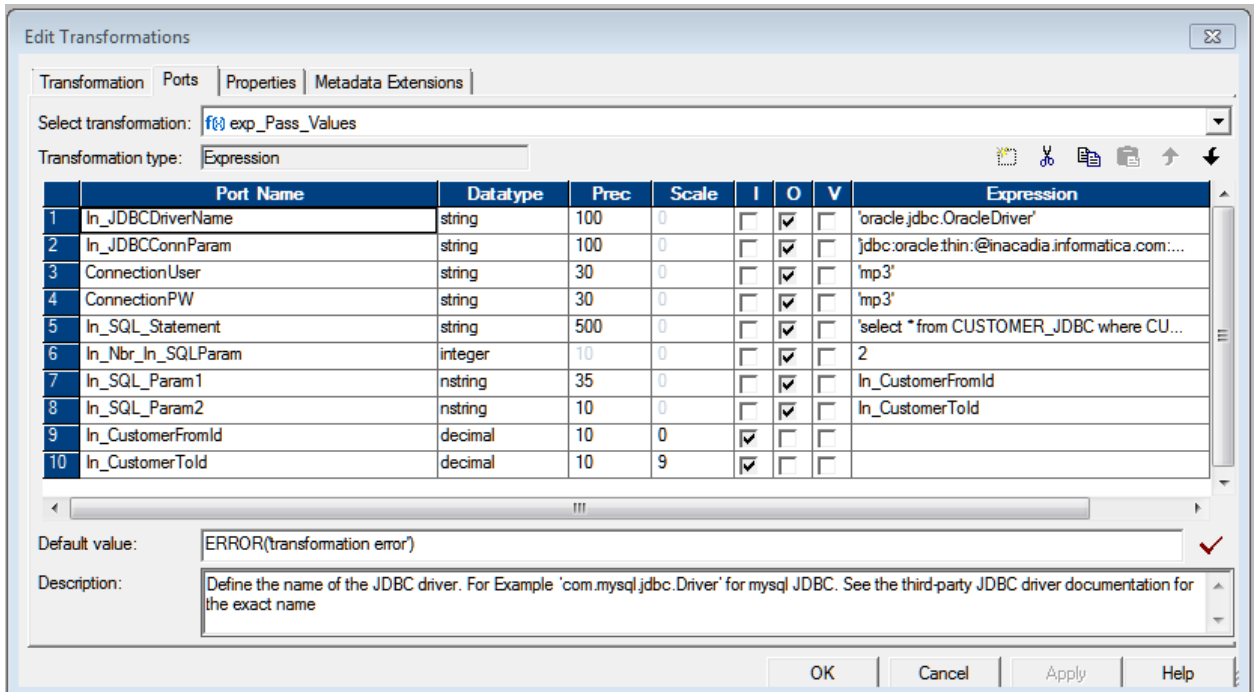
Download file contents:

1. Workflow
2. Source File
3. Script

Steps to implement the solution:

1. Place source file in \$PMSourceFileDir folder. Execute the script to create the table which will be used in Java transformation.

- Import workflow using the Repository Manager. Select the appropriate folder from the repository and resolve the conflicts by choosing suitable option.
- In the PowerCenter Designer, edit the exp_Pass_Values transformation and edit the port In_JDBCDriverName , In_JDBCConnParam , ConnectionUser , ConnectionPW assign the valid values as shown in the image below.



Edit Transformations

Transformation: **exp_Pass_Values**

Transformation type: **Expression**

	Port Name	Datatype	Prec	Scale	I	O	V	Expression
1	In_JDBCDriverName	string	100	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'oracle.jdbc.OracleDriver'
2	In_JDBCConnParam	string	100	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'jdbc:oracle:thin:@inacadia.informatica.com:...
3	ConnectionUser	string	30	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'imp3'
4	ConnectionPW	string	30	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'imp3'
5	In_SQL_Statement	string	500	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'select * from CUSTOMER_JDBC where CU...
6	In_Nbr_In_SQLParam	integer	10	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
7	In_SQL_Param1	nstring	35	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	In_CustomerFromId
8	In_SQL_Param2	nstring	10	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	In_CustomerTold
9	In_CustomerFromId	decimal	10	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10	In_CustomerTold	decimal	10	9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Default value: **ERROR(transformation error)**

Description: Define the name of the JDBC driver. For Example 'com.mysql.jdbc.Driver' for mysql JDBC. See the third-party JDBC driver documentation for the exact name

OK Cancel Apply Help

- For more information on JTX_Active_Read_JDBC transformation refer [document](#) provide with download.
- Open the workflow in Workflow Manager. Assign the integration service in Workflow - > Edit -> Integration Service.
- Edit session and assign valid connection object for the source and target.
- For more details of importing object, please visit our [YouTube](#) link.
- Execute the workflow and observe the target files.

YouTube Video on Importing and Configuring Workflows:

<http://www.youtube.com/playlist?list=PLLReK2jjgWBQ4NPfp0QWTxYDvInEqSJ>

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