Name of Solution:

Mapping : Unconnected LKP Return Multiple Columns

Business Requirement:

Mapping sample that demonstrates how to derive multiple columns from the output of an Unconnected Lookup transformation.

Solution URL:

https://community.informatica.com/solutions/2276

Supported Versions:

PowerCenter 9.1 and 9.5

Description:

Use a Lookup transformation in a mapping to look up data in a flat file, relational table, view, or synonym.

You can configure a Lookup transformation connected or unconnected. A connected Lookup receives input directly from the mapping pipeline. An unconnected Lookup transformation receives input from the result of an expression in another transformation.

A connected lookup can return multiple columns from the same row. But as an unconnected lookup is called from another transformation, it can pass only one output value.

In some cases it may be preferable to use unconnected lookup but still require the lookup to return multiple column values.

In this mapping you can download a mapping that demonstrates a technique to achieve this.

Implementation Details:

- The mapping uses the following file as source :

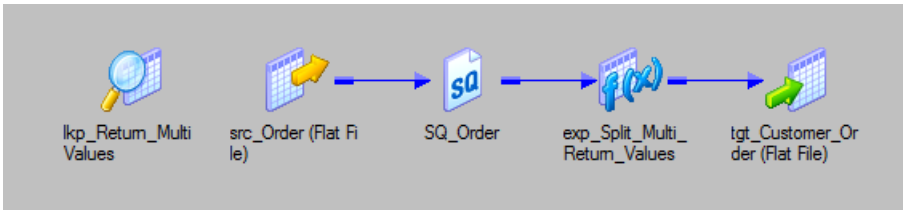
Order_no	Customer_ID
11	1
12	2
13	3
14	4

- The mapping writes to the below target with additional details about the customer. The customer details are derived from the oracle table Customer_Master using an unconnected lookup.

Order_No	Customer_ID	First_Name	Last_Name	Phone_No
11	1	Martin	Taylor	9775876122
12	2	Nelson	Wales	9812346565
13	3	Albert	Butler	9874566434
14	4	Richard	Clinton	9564389372

- Lookup Source : Customer_Master

Customer_ID	First_Name	Last_Name	Phone_No
1	Martin	Taylor	9738876122
2	Nelson	Wales	9812346565
3	Albert	Butler	9876005434
4	Richard	Clinton	9567812372
5	Sarah	Shane	9200875432
6	Rajat	Kapoor	9456472327

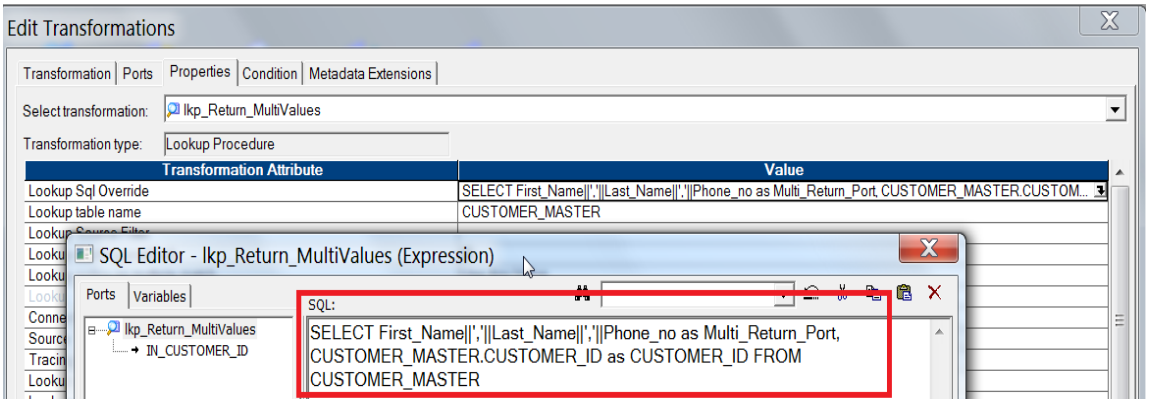


Download file contents:

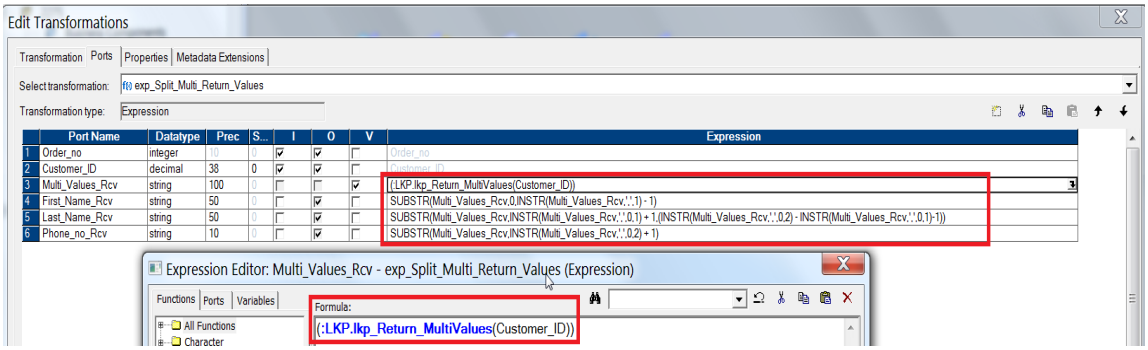
1. Workflow
2. Source File
3. Script

Steps to implement the solution:

1. Place source file in $PMSourceFileDir folder. Execute the script to create lookup table and data.
2. Import workflow using the Repository Manager. Select the appropriate folder from the repository and resolve the conflicts by choosing suitable option.
3. In the PowerCenter Designer, observe the unconnected lookup as shown below.



Observe the expression transformation as shown below.



4. Open the workflow in Workflow Manager. Assign the integration service in Workflow -> Edit -> Integration Service.
5. Edit session and assign valid connection object for the source and target.
6. For more details of importing object please visit our YouTube link.
7. Execute the workflow and observe the target files in $PMTargetFileDir.

YouTube Video on Importing and Configuring Workflows:

http://www.youtube.com/playlist?list=PLLRreK2jjjgWBQ4NPfp0QWTxYDvlnEqSJ

Other Useful links:

Mapping Bundles
Workflow Bundles
Informatica Tools Bundles
Informatica for Social Media Bundles
Debugging Tools Bundles
Visio Templates Bundles
B2B Templates and Projects Bundles
Data Quality Packs and Plans Bundles
Script Bundles

Please rate this solution and share your feedback on Marketplace Website.