

Name of Solution:

PowerCenter: Expression for Reusable Sequence Generator

Business Requirement:

A reusable expression transformation to generate sequence numbers which resets, when there is a change in the value of keys as in a control break.

Solution URL:

<https://community.informatica.com/solutions/1731>

Supported Versions:

PowerCenter 9.1 and 9.5

Description:

While user can use the in-built Sequence Generator transformation in most situations, it cannot be configured to reset the generated sequence based on external conditions. For example when a value in the current row is different from the value in a previous row you may like to reset the Sequence number. This is a typical control break scenario when there is a change in the value of one of the keys on which a file is sorted which requires a sequence reset.

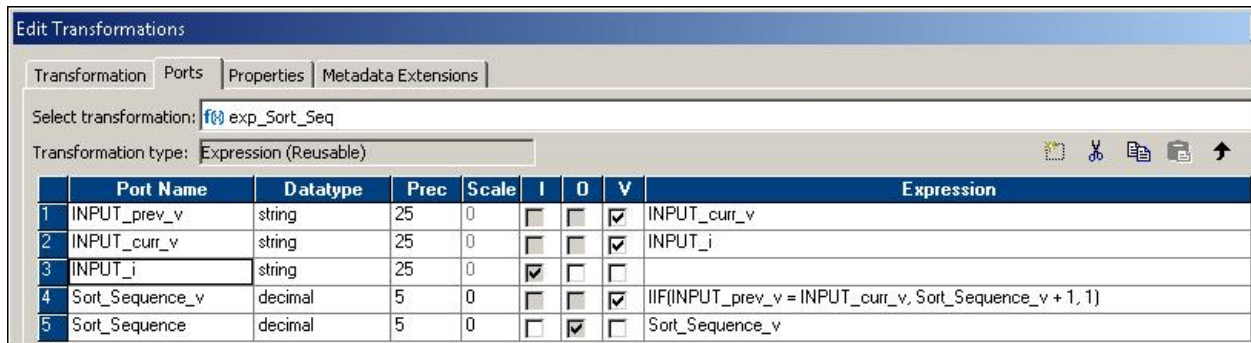
The reusable Expression will increment or reset a counter (sequence number) based on an input port's value. The counter will increment when a chosen input port's current row is equal to the previous row and reset the counter when the current row's value does not match the value from a previous row.

Download file contents:

1. Work Flow
2. Source File
3. Target File

Steps to implement the solution:

1. Copy source and target files in \$PMSourceFileDir. Observe the data of source and target files.
2. Import workflow using Repository Manager. Select the appropriate folder from repository and resolve the conflicts by choosing suitable option.
3. Open mapping in PowerCenter Designer, observe the reusable expression's port as per screenshot 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 for importing object please visit our [YouTube](#) link.
7. Execute the workflow and observe the target file.

YouTube Video on Importing and Configuring Workflows:

<http://www.youtube.com/playlist?list=PLLReK2jjgWBQ4NPfp0QWTxYDvlnEqSJ>

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](#)