

## Name of Solution:

Workflow: Parameter files for Business Rules

## Business Requirement:

This solution explains the use mapping parameters and variables within PowerCenter to simulate a Business Rules Management System and make mappings more flexible.

## Solution URL:

<https://community.informatica.com/solutions/1922>

## Supported Versions:

PowerCenter 9.1 and 9.5

## Description:

### **PowerCenter as a Business Rules Management System**

A Business Rules Management System is a system used to define, manage, deploy, execute, and monitor the business rules. This allows an enterprise to create rules using a business vocabulary so business users can understand the rules and make changes without depending on IT. You can configure PowerCenter to simulate a Business Rules Management System.

### **Mapping Parameters and Parameter Files**

Use mapping parameters, mapping variables, and parameter files to set up business rules that are volatile in nature and change frequently. Mapping parameters and variables make mappings more flexible. They represent values that can be altered between workflow runs or during the course of a workflow run. This can reduce the overhead of creating multiple mappings when only certain attributes of a mapping need to be changed. This helps you reuse the existing mappings. A parameter file contains a list of parameters and variables with assigned values. This example uses mapping parameters.

When you run a session or workflow, the Integration Service evaluates references to the parameter based on the value defined in the parameter file. You can include an expression in the parameter file and configure the mapping so the Integration Service evaluates the port containing the parameter before it evaluates the port that uses the parameter value.

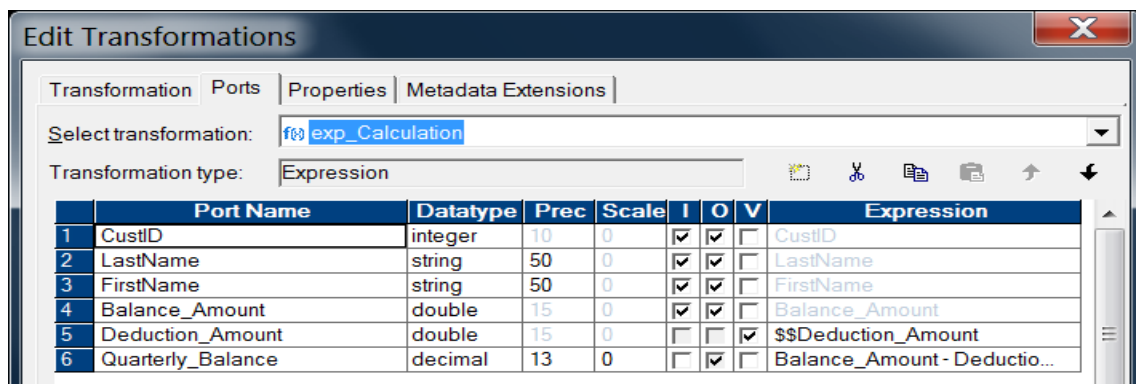
In the parameter file, you can define expressions that represent business rules so you do not have to change the mappings every time the business rules change. When the business rules do change, you can simply update the value of the mapping parameter in the parameter file. You do not need to update the mapping.

## Download file contents:

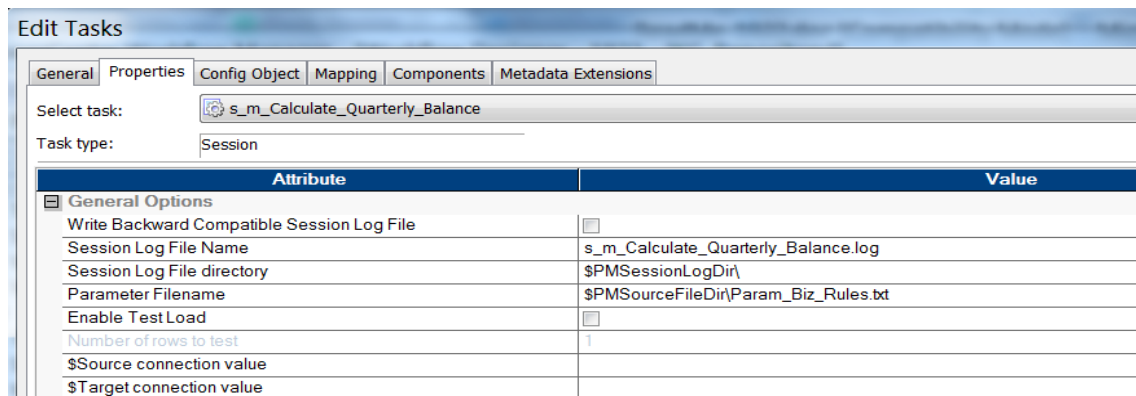
1. Workflow
2. Source File

## Steps to implement the solution:

1. Place source files in \$PMSourceFileDir folder.
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 expression transformation as shown below. It uses the parameter in expression.



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. Observe the value of parameter filename on properties tab.



6. For more details for importing object please visit our [YouTube](#) link.
7. Execute the workflow and observe the target files. Session uses the parameter file (Param\_Biz\_Rules.txt) to specify the business rule to be used to calculate the quarterly deduction amount. Open the target file to notice the business rule has been applied based on the expression provided using the parameter file.

## YouTube Video on Importing and Configuring Workflows:

<http://www.youtube.com/playlist?list=PLLrReK2jjigWBQ4NPfp0QWTxYDvInEqSJ>

Please rate this solution and share your feedback on [Marketplace](#) Website.

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](#)