

Name of Solution:

Workflow: Control Parameter File Reading Order

Business Requirement:

Instruct the PowerCenter Integration Service to read the session parameter files and workflow parameter files at the same time.

Solution URL:

<https://community.informatica.com/solutions/1910>

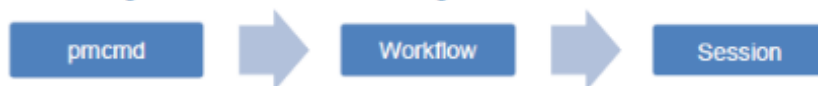
Supported Versions:

PowerCenter 9.1 and 9.5

Description:

When you define a workflow parameter file and a session parameter file for a session within the workflow, the PowerCenter Integration Service uses the workflow parameter file over the session parameter file. Effective in PowerCenter 8.5.x, you can instruct the PowerCenter Integration Service to read both the workflow and session parameter files with the `$PMMergeSessParamFile` property.

Decreasing Parameter Files Overriding Precedence



You can define the same parameter or variable in both the session and workflow parameter files after setting the property `$PMMergeSessParamFile` to true. In this case, the PowerCenter Integration Service sets the parameter and variable values according to the following rules:

- When a parameter or variable is defined in the same section of the workflow and session parameter files, the PowerCenter Integration Service uses the value in the workflow parameter file.
- When a parameter or variable is defined in both the session section of the session parameter file and the workflow section of the workflow parameter file, the PowerCenter Integration Service uses the value in the session parameter file.

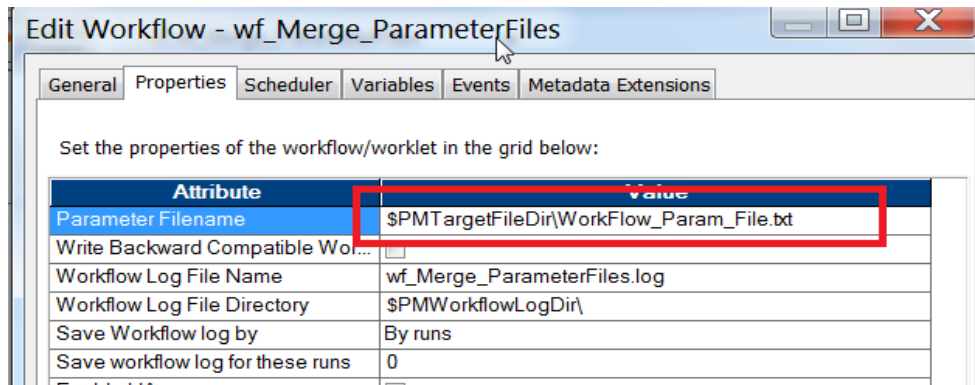
Download file contents:

1. Workflow
2. Source File

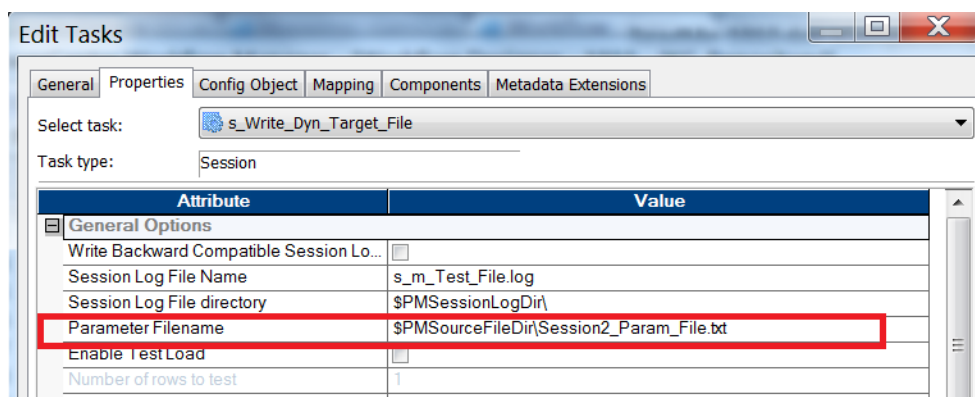
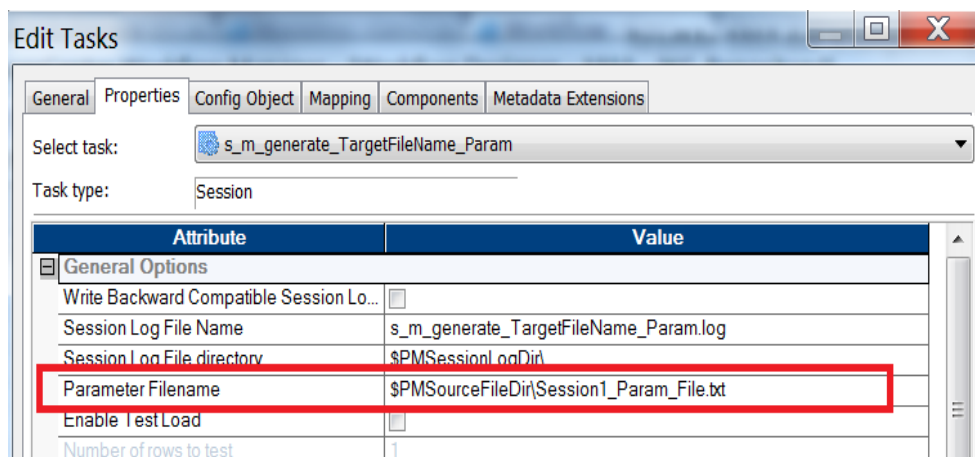
Steps to implement the solution:

1. Place source file in `$PMSourceFileDir` folder and target files in `$PMTargetFileDir`.
Replace the folder name in parameter files as per working repository folder.

2. Import workflow using Repository Manager. Select the appropriate folder from repository and resolve the conflicts by choosing suitable option.
3. Open the workflow in Workflow Manager. Assign the integration service in Workflow -> Edit -> Integration Service
4. Edit session and assign valid connection object for the source and target. Observe the workflow properties as shown below.



Observe that parameter file name is also mentioned in session properties.



Observe that at each occurrence parameter file name is different.

Workflow_Param_File.txt: It uses the parameter file (Workflow_Param_File.txt) to specify session failure email. \$PMMergeSessParamFile=TRUE is specified to allow the use of session level parameter file.

s_m_generate_TargetFileName_Param: Uses parameter file "Session1_Param_File.txt" to override the session failure email address specified in the workflow parameter file. Create the target file "Session2_Param_File.txt" which is used as a parameter file in the next session.

s_Write_Dyn_Target_File: Uses parameter file "Session2_Param_File.txt" to set the session parameter used for the file target, \$OutputFileDynamicName.

5. For more details for importing object please visit our [YouTube](#) link.
6. Execute the workflow and observe the session log details.\
 - a. Session task instance [s_m_generate_TargetFileName_Param] : [VAR_27028 Use override value [alert@xyz.com] for server variable:[\$PMFailureEmailUser].]
Inference: value for \$PMFailureEmailUser in the workflow parameter file is overridden by the value specified in the session parameter file Session1_Param_File.txt
 - b. Session task instance [s_Write_Dyn_Target_File] : [VAR_27028 Use override value [MarketPlace_20120305.txt] for session parameter:[\$OutputFileDynamicName].]
Inference: value for \$OutputFileDynamicName is the picked up from the dynamically generated session parameter file Session2_Param_File.txt
 - c. Session task instance [s_Write_Dyn_Target_File] : [VAR_27028 Use override value [opsuser@xyz.com] for server variable:[\$PMFailureEmailUser].]
Inference: value for \$PMFailureEmailUser is the picked up from the workflow parameter file Workflow_Param_File.txt

YouTube Video on Importing and Configuring Workflows:

<http://www.youtube.com/playlist?list=PLLRreK2jjigWBQ4NPfp0QWTxYDvlnEqSJ>

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