

Name of Solution:

An Automated PowerCenter Review Tool

Business Requirement:

An easy to use, simple tool that will analyze the Informatica PowerCenter XML file and produces the validation report about Workflow, Mapping and Session objects in the readable Excel format.

Solution URL:

<https://community.informatica.com/solutions/3184>

Supported Versions:

PowerCenter 9.1 and above

Description:

An Automated PowerCenter Review Tool helps the organizations using Informatica PowerCenter to check for Informatica Velocity best practices in the mappings and the workflow they develop. The tools take the Informatica PowerCenter workflow XML file as the input and documents the details about the PowerCenter Mapping / Workflow and Session objects in the readable Excel sheet.

The Tool provides the following output sheets inside a single excel sheet:

- **Information:** The general information about the user who is using the tool.
- **Global:** Information about the Workflow Repository, Folder name, Workflow, mapping transformation names used in the workflow.
- **Naming Convention:** Report about the names of the Workflow, Mapping and Session objects used in the workflow and also indicate whether they are following values mentioned in the config file in naming these objects or not.
- **Configuration Workflow:** Report about the workflow objects used in the workflow and also indicates whether they match to the values mentioned in the config file or not.
- **Configuration Session:** Report about the session objects used in the workflow and also indicates whether they match to the values mentioned in the config file or not.
- **Session Connection:** Report about the session connections used in the workflow and also indicates whether they match to the values mentioned in the config file or not.



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- **Mapping Variable Parameter:** Report about the mapping variables used in the workflow and also indicates whether they match to the values mentioned in the config file or not.
- **Shortcut:** Report about the shortcut objects used in the workflow and also indicates whether they match to the values mentioned in the config file or not.
- **Transformation Properties:** Report about the transformation properties used in the workflow and also indicates whether they match to the values mentioned in the config file or not.
- **Port Naming Convention:** Report about the ports used in the mapping transformations used in the workflow and also indicates whether they match to the values mentioned in the config file or not.

The objects marked in the green color on the excel sheet indicates that the object follows the Informatica Velocity best practices and the objects marked in the red color indicates that they do not follow Informatica Velocity best practices.

Pre-Requisites / System Requirement:

- Java
- Informatica PowerCenter.

Download file contents:

1. Workflow
2. Source File
3. JAR File

Steps to implement the solution:

1. Make sure that the JAVA_HOME and JAVA_PATH environment variables are configured properly on your system environment. You can also use JRE installed in the PowerCenter 9.x client.
2. Provide the following values in the config.properties file present under "**PCValidationMarketPlace\conf folder**".

dirIn = Location of the workflow XML export

dirOut = Location of the Excel report

dirLogs = Location of the tool log files

fileCheck = <Location of the file check containing the properties to check>\\ListOfInformationToCheck.csv

customer = Name of the user who is using the tool

Example:

dirIn = C:\\Temp\\PCValidationMarketPlace\\in



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dirOut = C:\\Temp\\PCValidationMarketPlace\\out

dirLogs = C:\\Temp\\PCValidationMarketPlace\\log

fileCheck=C:\\Temp\\PCValidationMarketPlace\\conf\\ListOfInformationToCheck.csv

customer = XYZ.

3. Execute the batch script "**validationObjetsPC.bat**" provided in the "**PCValidationMarketPlace\\lancement**". Provide the following arguments to the script at the runtime :
 - a. Full name of the Workflow XML file that needs to be parsed. Ex: wf_scd_1.XML.
 - b. Absolute path of the configuration file (config.properties). Ex: C:\\PCValidationMarketplace\\conf\\config.properties

```
em32\\cmd.exe
\\lancement>validationObjetsPC.bat w_Restart_Failed_Session_Using_TC.XML C:\\Users\\bhurs\\tarik\\MP\\conf\\config.properties
```

4. Observe the directory "**PCValidationMarketPlace\\out**" an Excel sheet "PowerCenter_Report_ObjectValidation_w_Restart_Failed_Session_Using_TC.xlsx" contain the reports of the Workflow will be generated by the tool.
5. Informatica Developers can refer the report in order to improve the quality of the PowerCenter development.

YouTube Video on Importing and Configuring Workflows:

<http://www.youtube.com/playlist?list=PLLReK2jjigWBQ4NPfp0QWTxYDvInEqSJ>

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](#)