Name of Solution:

Workflow: Use Database Change to trigger the run

Business Requirement:

This template shows how you can trigger a workflow to run based on certain changes in Database.

Solution URL:

https://community.informatica.com/solutions/1880

Supported Versions:

PowerCenter 9.1 and 9.5

Description:

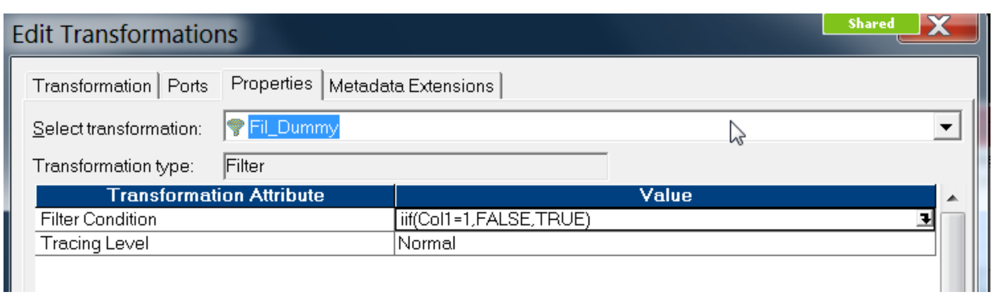
While it is common practice to use Event Wait task which waits for a file and kick starts a worklet / session when the file arrives. However, real life scenario may be different and you may want a change in Database to trigger the worklet / session. The given workflow template shows how you can achieve this.

Download file contents:

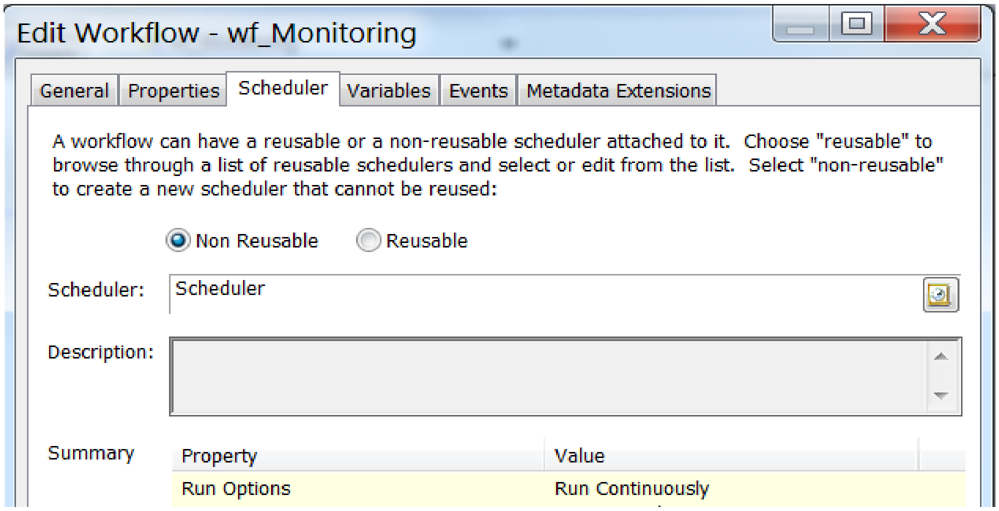
1. Workflow
2. Script

Steps to implement the solution:

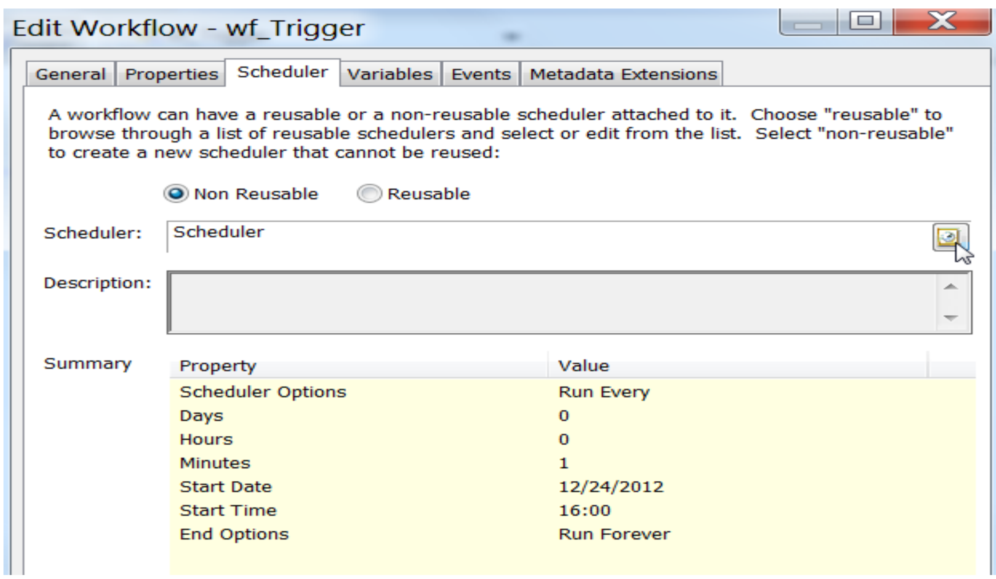
1. Execute the script “CreateTable.txt” to created source table and test data.
2. Import workflow using Repository Manager. Select the appropriate folder from repository and resolve the conflicts by choosing suitable option.
3. In PowerCenter Designer, observe the filter transformation of mapping “m_Trigger_Wlet”.



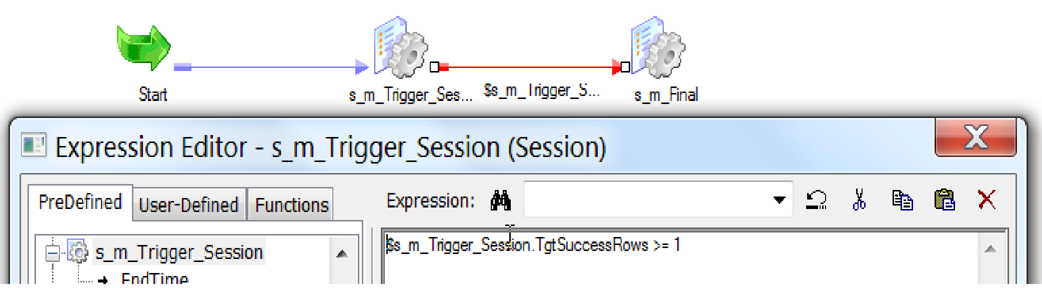
4. Open the workflow in Workflow Manager. Assign the integration service in Workflow -> Edit -> Integration Service. Observe the scheduler of both the workflow as shown below.



User need to change the values of scheduler if necessary.



5. Observe the workflow “wf_trigger” as shown in below.



6. Edit session and assign valid connection object for the source and target.
7. For more details for importing object please visit our YouTube link.
8. Execute the workflow “wf_Monitoring” by choosing schedule workflow from right click menu and observe the execution in workflow monitor.

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

9. Execute the "SecondRun.txt" script into database and observe the execution in workflow monitor. Note that "s_m_final" session is executed which not in the case of step 8.
10. This solution performs the following operations.
    a. A workflow (*wf_Monitoring*) executes continuously and polls for a particular field in the database and stores the current value into a flat file (*Output_1.txt*).
    b. Another workflow (*wf_Trigger*) and a session (*s_m_Trigger_Session*) use the input file created in above step (*Output_1.txt)*. The mapping is designed such that it filters the records if the value of the required field is 1 and stores the value in the flat file (*Output_2.txt*).
    c. Session "s_m_final" won't get executed unless "Output_2.txt" gets any row inserted.

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