

## Name of Solution:

Workflow: Detect Long Running Workflow with Timer

## Business Requirement:

This Mapping template demonstrates how you can use timer task with other objects to identify long running sessions.

## Solution URL:

<https://community.informatica.com/solutions/1874>

## Supported Versions:

PowerCenter 9.1 and 9.5

## Description:

In a production environment where resources are scarce, identifying issues early helps managing resources very effectively.

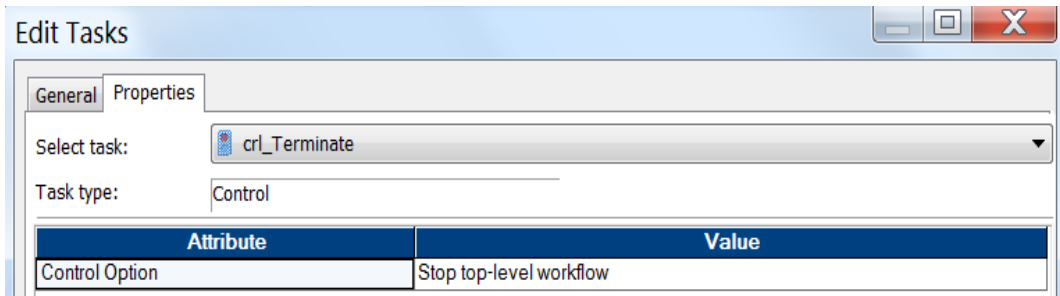
A long running PowerCenter workflow could be an indicator of potential issues (whether it is database issue or network issue). The workflow example given here uses a Timer object in conjunction with control task and notifies developers / administrators when workflow has run beyond stipulated time-frame.

## Download file contents:

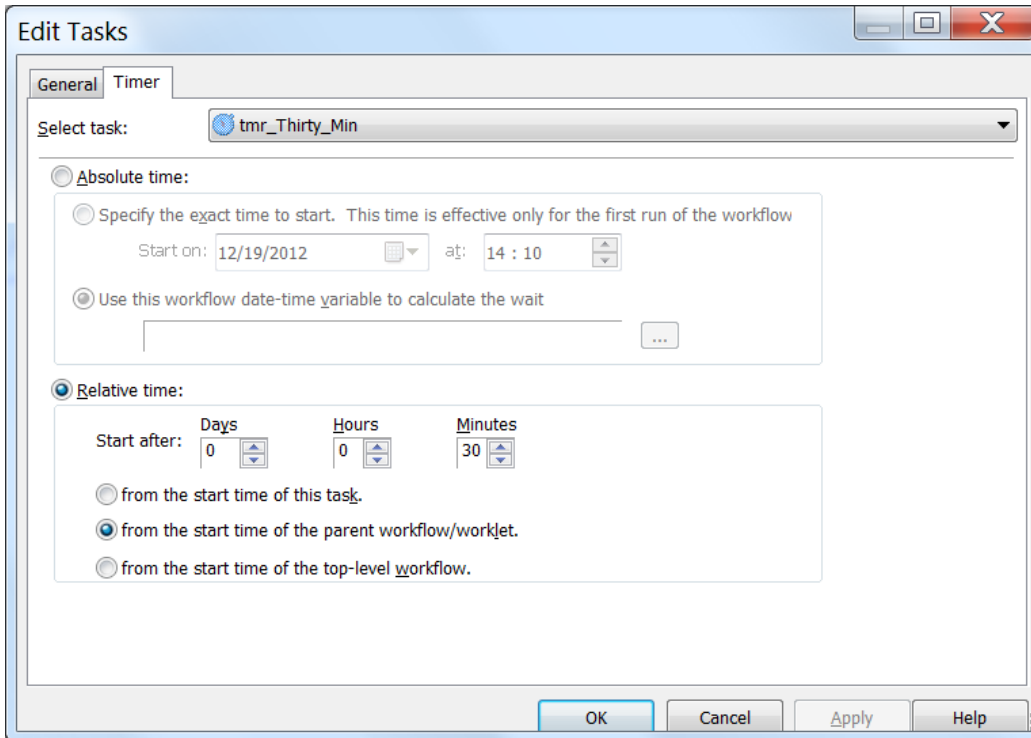
1. Workflow
2. Source File

## Steps to implement the solution:

1. Place source file 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,
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. Observe the Control Option in properties tab of control task as shown below.

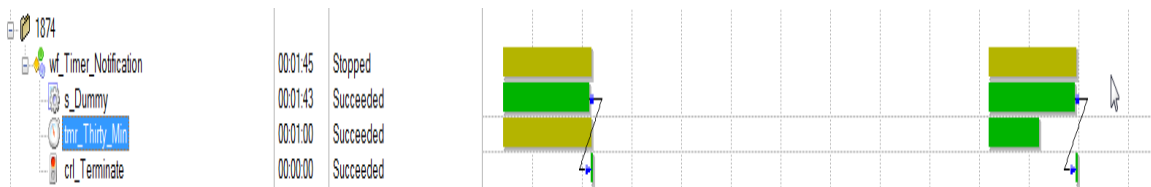


7. Observe the timer control as shown below.



8. For more details for importing object please visit our [YouTube](#) link.

9. Execute the workflow and observe the workflow monitor. This control task is included to stop the workflow in case the session takes less than 30 minutes to execute (before the timer expires). After completion workflow monitor appearances as below.



User can test the timer and email task by changing the relative time as 1:00 min. Second run in above screen shot shows timer task completes first and it sends email as shown in log below.

```
(KG_Intergration 12/19/2012 2:12:11 PM) Task Update: wf_Timer_Notification (Preparing to run) Start time: 12/19/2012 2:12:11 PM End time: In progress
(KG_Intergration 12/19/2012 2:12:11 PM) Task Update: wf_Timer_Notification (Running) Start time: 12/19/2012 2:12:11 PM End time: In progress
(KG_Intergration 12/19/2012 2:12:11 PM) Task Update: Start (Running) Start time: 12/19/2012 2:12:11 PM End time: In progress
(KG_Intergration 12/19/2012 2:12:11 PM) Task Update: Start (Succeeded) Start time: 12/19/2012 2:12:11 PM End time: 12/19/2012 2:12:11 PM
(KG_Intergration 12/19/2012 2:12:11 PM) Task Update: tmr_Thirty_Min (Running) Start time: 12/19/2012 2:12:11 PM End time: In progress
(KG_Intergration 12/19/2012 2:12:11 PM) Task Update: s_Dummy (Running) Start time: 12/19/2012 2:12:11 PM End time: In progress
(KG_Intergration 12/19/2012 2:12:11 PM) Task Update: s_Dummy (Running) Start time: 12/19/2012 2:12:11 PM End time: In progress
(KG_Intergration 12/19/2012 2:13:11 PM) Task Update: tmr_Thirty_Min (Succeeded) Start time: 12/19/2012 2:12:11 PM End time: 12/19/2012 2:13:11 PM
(KG_Intergration 12/19/2012 2:13:11 PM) Task Update: eml_Intimate_info (Running) Start time: 12/19/2012 2:13:11 PM End time: In progress
(KG_Intergration 12/19/2012 2:13:20 PM) Task Update: eml_Intimate_info (Succeeded) Start time: 12/19/2012 2:13:11 PM End time: 12/19/2012 2:13:20 PM
(KG_Intergration 12/19/2012 2:13:54 PM) Task Update: s_Dummy (Succeeded) Start time: 12/19/2012 2:12:11 PM End time: 12/19/2012 2:13:54 PM
(KG_Intergration 12/19/2012 2:13:56 PM) Task Update: crl_Terminate (Running) Start time: 12/19/2012 2:13:56 PM End time: In progress
(KG_Intergration 12/19/2012 2:13:56 PM) Task Update: wf_Timer_Notification (Stopping) Start time: 12/19/2012 2:12:11 PM End time: In progress
(KG_Intergration 12/19/2012 2:13:56 PM) Task Update: crl_Terminate (Succeeded) Start time: 12/19/2012 2:13:56 PM End time: 12/19/2012 2:13:56 PM
(KG_Intergration 12/19/2012 2:13:56 PM) Task Update: wf_Timer_Notification (Stopped) Start time: 12/19/2012 2:12:11 PM End time: 12/19/2012 2:13:56 PM
```

YouTube Video on Importing and Configuring Workflows:

<http://www.youtube.com/playlist?list=PLLrreK2jjgWBQ4NPfp0QWTxYDvlnEqSJ>

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