

**Session 7: Workflow Monitor** 

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Credential Information:	
Version and Date:	INFORMATICA9X/PPT/S7/0309/1.0

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Reference



Try it Out



A Welcome Break



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#### Workflow Monitor: Overview

#### Introduction:

This module gives a brief overview about Workflow Monitor



#### Workflow Monitor: Objective

#### Objective:

After completing this chapter, you will be able to

- » Identify the various Monitor Charts & Windows
- » Run and Monitor mappings and workflows
- » Observe the history of Workflow runs
- » Check workflow and session logs
- » Configure the Workflow Monitor tool



#### What is Workflow Monitor?

- The Workflow Monitor is a tool that allows you to monitor workflows and tasks
- You can view details about a workflow or task in either Gantt Chart view or Task view
- You can run, stop, abort, and resume workflows from the Workflow Monitor
- The Workflow Monitor continuously receives information from the PowerCenter Server and Repository Server. It also fetches information from the repository to display historic information

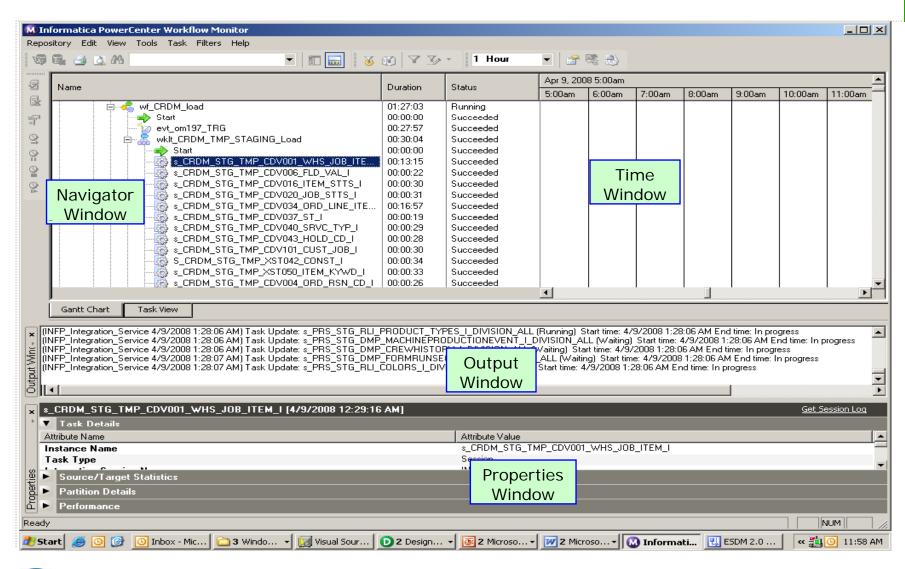


## Workflow Monitor: Windows and Views

- The Workflow Monitor consists of the following windows
  - » Navigator window displays monitored repositories, servers, and related objects
  - » Output window displays messages from the PowerCenter / Repository Server
  - » Time window displays progress of workflow runs
  - » Gantt Chart view displays details about workflow runs in chronological format
  - Task view displays details about workflow runs in a report format, organized by workflow run



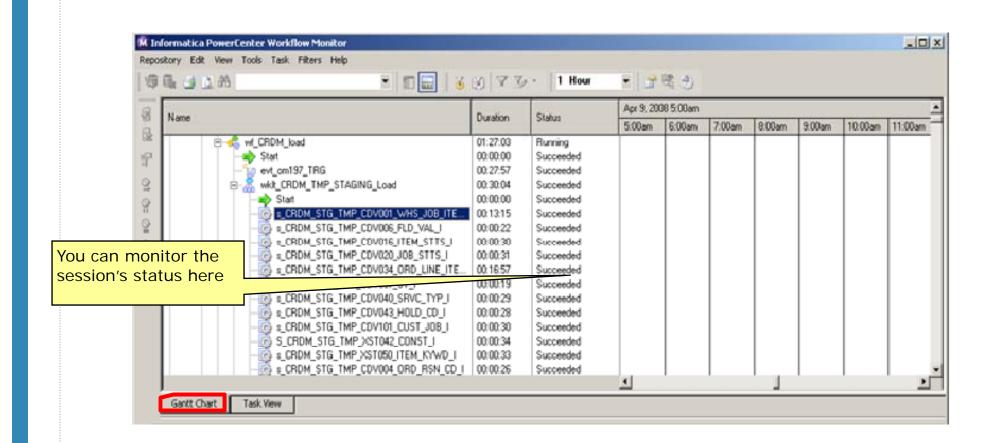
#### Workflow Monitor: Windows





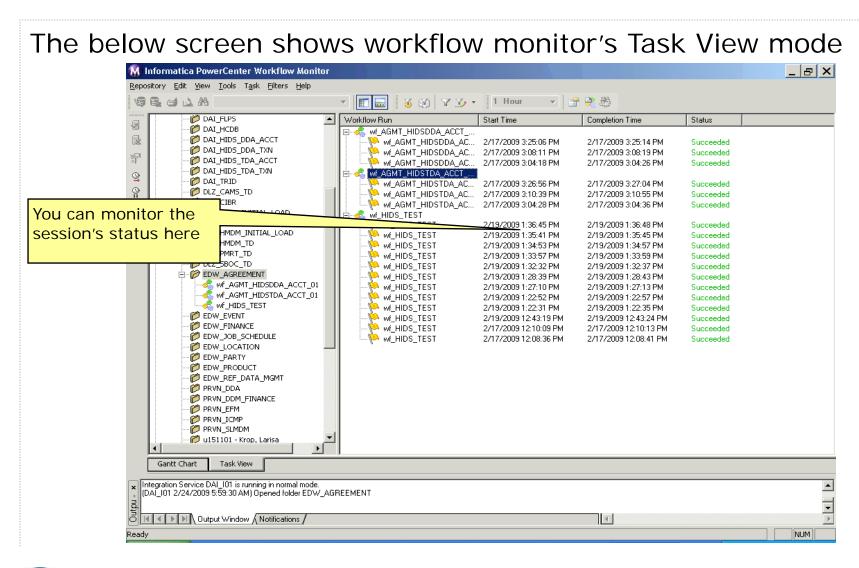
# Workflow Monitor : Gantt Chart View

The below screen shows workflow monitor's Gantt Chart mode





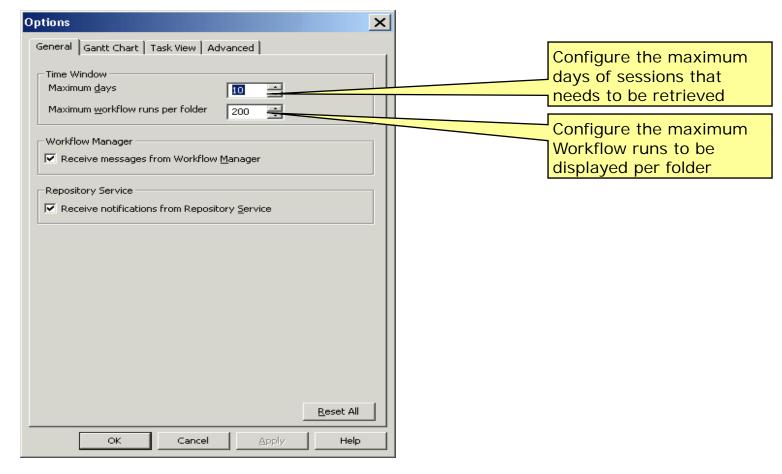
#### Workflow Monitor: Task View





## Configuring Workflow Monitor

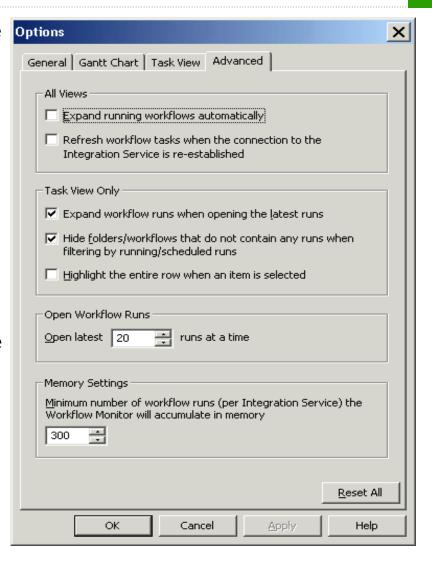
The below screen shows the General Options of Workflow monitor





## Advanced Workflow Monitor Options

- Hides folders or workflows under the Workflow Run column in the Time window when you filter running or scheduled tasks
- Open the number of workflow runs.
  Default is 20
- Expands running workflows in the Navigator
- Refreshes workflow tasks when you reconnect to the Integration Service
- Highlights the entire row in the Time window for selected items
- Specifies the minimum number of workflow runs per Integration Service that the Workflow Monitor holds in memory before it starts releasing older runs from memory





#### Running a Task, Workflow, or Worklet

Monitor displays workflows that have run at least once

 To run a workflow or part of a workflow, right-click the workflow or task and choose a restart option

You can stop or abort a task, workflow, or worklet in the

Workflow Monitor at any time

» If a task is stopped, Integration Service stops reading data but continues processing, writing and committing data to targets. No other task in its path is run

» If a task is aborted, the Integration Service stops reading data but continues processing, writing and committing data to targets. If the processing is not finished in 60 seconds, it kills the DTM process and terminates the task



Start Time

2/29/2016 1:00:03 AN

2/29/2016 1:00:03 AN

□ 🏳 wf\_EAE\_IV\_Create\_Status\_Tot\_Rec\_Crit\_File

Restart Workflow from Task

Cold Start Workflow from Task

Restart Workflow by Recovering this Tas

Restart Task

Recover Task

Cold Start Task

Go to Gantt Chart

Get Run Properties

## Scheduling and Unscheduling Workflows

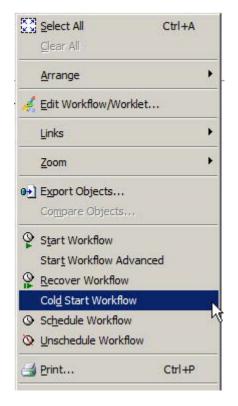
 Workflows can be scheduled/unscheduled according to the workflow properties defined in Workflow Manager

Workflows that are configured to run on demand cannot

be scheduled

» To schedule a workflow, right-click the workflow and choose Schedule. The workflow gets scheduled to the time given in the Scheduler property of the workflow

» To unschedule a workflow, right-click the workflow and choose Unschedule. The workflow gets unscheduled until it is scheduled again or the Integration Service is restarted



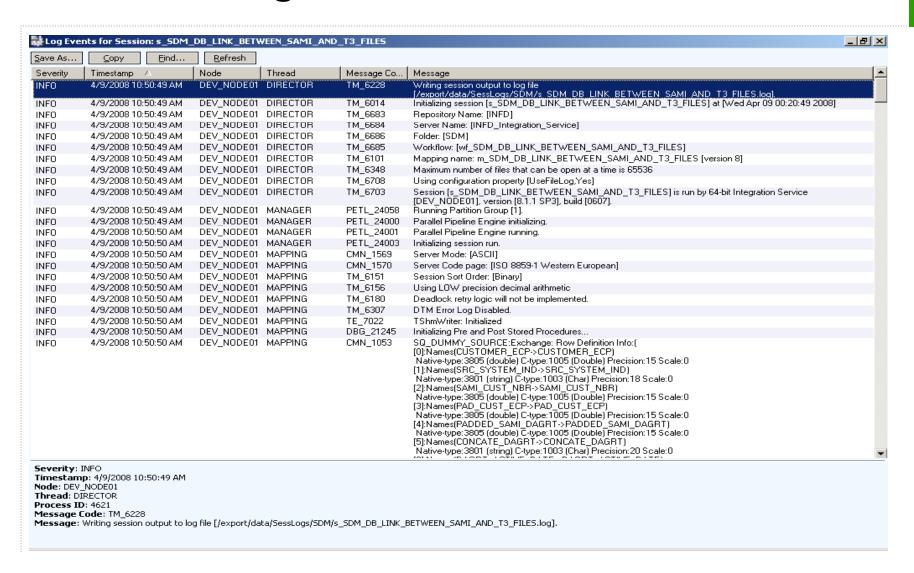


## Session Logs and Workflow logs

- The session or workflow property in Workflow Manager should have been set to save the logs by session runs or timestamp to get the past logs
- To get the recent session or workflow log, right-click the session or workflow in the Workflow Monitor and choose Get Session Log or Get Workflow Log
- To get the log of a task's past run in Gantt Chart View, rightclick the graphical chart of the task in the time window and choose Get Session Log or Get Workflow Log
- To get the log of a task's past run in Task View, right-click the name of the task in the time window and choose Get Session Log or Get Workflow Log

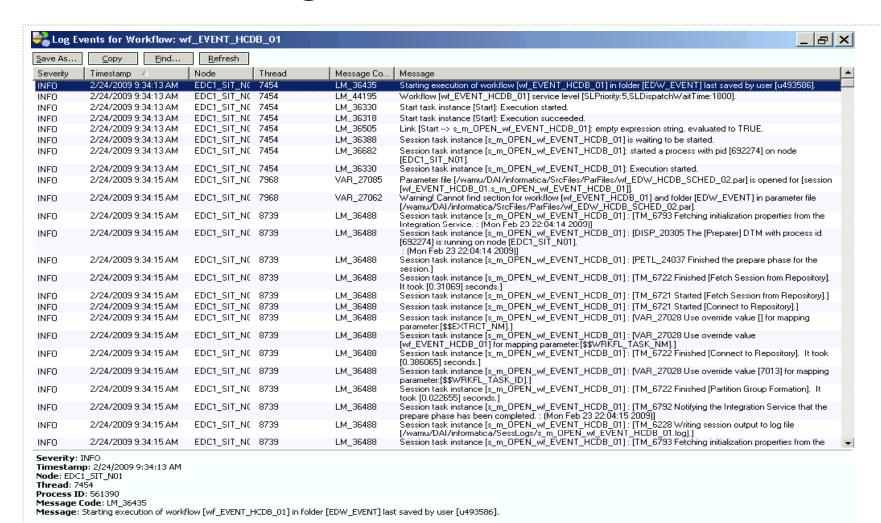


## Session Log: Screenshot





## Workflow log: Screenshot





#### Questions?





## Try it Out



- 1. Schedule the existing workflow to run at a specified time and Check if the workflow runs per schedule.
- 2. Execute a workflow which is scheduled to "run on demand" and view the status in Gantt Chart & Task view.
- 3. Check the Run Properties to verify source and target statistics.
- Open and check the session log for rejected records (if any).
- 5. Debug using the information session/workflow log in case of session/workflow failure.



#### Tips

- Reduce the size of the Time window.
  - When you reduce the size of the Time window, the Workflow Monitor refreshes the screen faster, reducing flicker.
- Use the Repository Manager to truncate the list of workflow logs
  - If the Workflow Monitor takes a long time to refresh from the repository or to open folders, truncate the list of workflow logs. When you configure a session or workflow to archive session logs or workflow logs, the Integration Service saves those logs in local directories. The repository also creates an entry for each saved workflow log and session log. If you move or delete a session log or workflow log from the workflow log directory or session log directory, truncate the lists of workflow and session logs to remove the entries from the repository. The repository always retains the most recent workflow log entry for each workflow.



### Test Your Understanding



- 1. What is Workflow Monitor?
- 2. What is Gantt Chart View?
- 3. What is Task View?
- 4. How is a Workflow scheduled/unscheduled?
- 5. How is a Task run, stopped, aborted and recovered?
- 6. How is a session log obtained?



## Workflow Monitor: Summary

- The Workflow Monitor is a tool that allows you to monitor workflows and tasks
- You can run, stop, abort, and resume workflows from the Workflow Monitor
- View details about a workflow or task in Gantt Chart view or Task view



#### Workflow Monitor: Source



- PDF manuals that comes with Informatica Software
- www.informatica.com

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You have completed the Session "Workflow Monitor" of Informatica 9x

