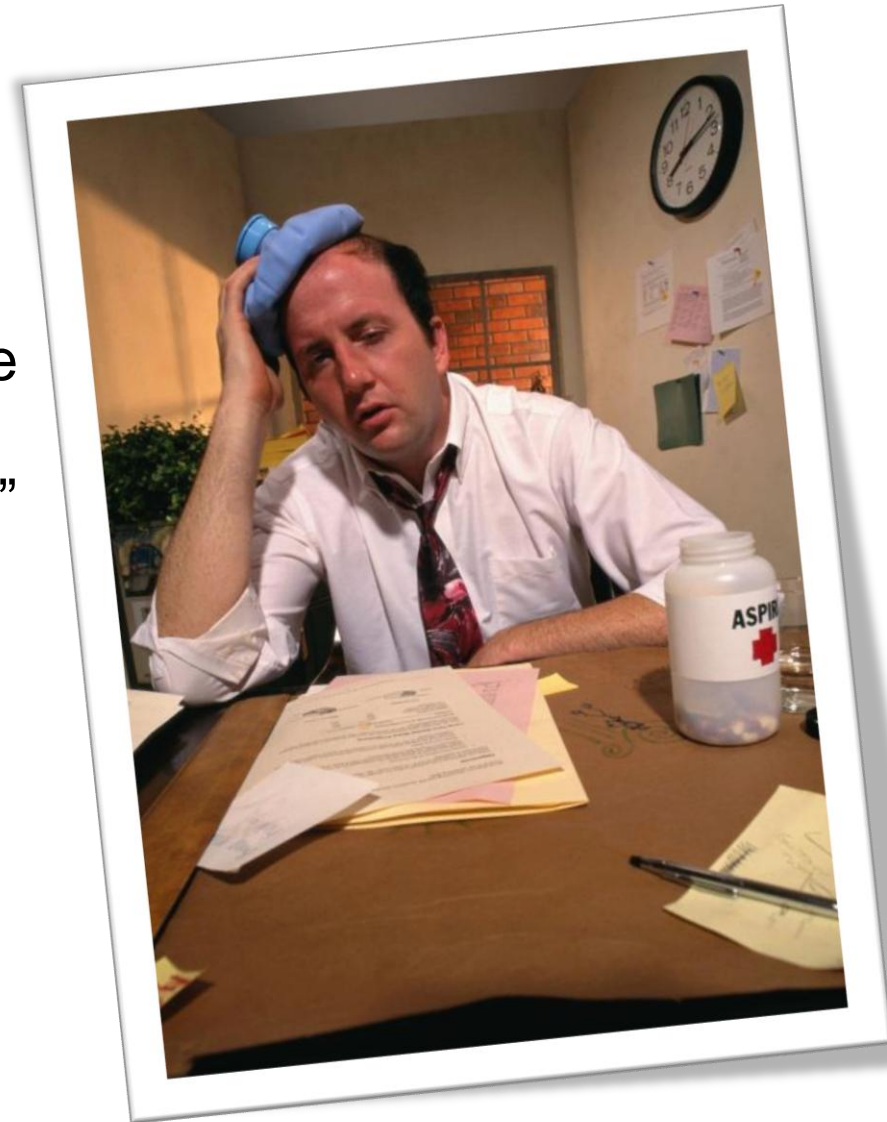


# Proactive PowerCenter Monitoring

January 2011

# Biggest Complaints:

- “I have to **manually login** everyday to determine if I have any issues.”
- “It is **difficult for me** to determine when data is different than the norm by a certain % or deviation.”
- “We want the **flexibility to quickly change** how and who is alerted on different metrics.”
- “It is difficult for me to be proactive, I usually find out about issues **when I get around to it.**”



*“Delay in identifying issues is costing the organization a lot of time and money.”*



## Proactive PowerCenter Monitoring option

- **Add-on** to Informatica PowerCenter
- **Delivers Alerts** for faster response times when PowerCenter exceptions (Runtime, Change Control) occur
- **Self-Service** - analysts & stewards easily modify rules or create new ones (from simple to very complex)
- **Up and running on day-one** (accelerator: out-of-the-box project with set of starter alerts)

## *Proactive PowerCenter Monitoring (option)*

Screenshots

# Dashboard for Alerts

The screenshot displays the Informatica Real-Time Alert Manager interface. The top header includes the Informatica logo and the text "REAL-TIME ALERT MANAGER™". On the right, it shows the user "pcmonitor" with options for "Sign Off" and "User Preferences".

The left sidebar, titled "Channels", shows a tree view with "All (Default)" and "All (Default) (11767)". The main area is titled "Alert List" and contains a "Send New Alert" button. Below this, there are controls for "Channel: All (Default)", "Acknowledge", "Delete", "Delete All in Channel/Folder", and a search field.

The alert list table has the following columns: Priority, Alert Subject, Age, and Created Date. The selected alert (Priority 3) is highlighted with a red box:

Priority	Alert Subject	Age	Created Date
3	Workflow Proactive Monitoring/wf_m_load_mobile_records running for 309	16 min	Sat, 25 Dec 2010 00:23:09 -060
2	1 Failed Row(s) in workflow Proactive Monitoring/wf_m_load_mobile_recor	20 min	Sat, 25 Dec 2010 00:18:22 -060
3	Disproportionate elapsed time between session and workflow for Proactiv	26 min	Sat, 25 Dec 2010 00:13:19 -060
3	Workflow Proactive Monitoring/wf_m_load_mobile_records running for 309	26 min	Sat, 25 Dec 2010 00:13:10 -060
2	1 Failed Row(s) in workflow Proactive Monitoring/wf_m_load_mobile_recor	30 min	Sat, 25 Dec 2010 00:08:22 -060
3	Disproportionate elapsed time between session and workflow for Proactiv	36 min	Sat, 25 Dec 2010 00:03:19 -060
3	Workflow Proactive Monitoring/wf_m_load_mobile_records running for 309	36 min	Sat, 25 Dec 2010 00:03:10 -060
2	1 Failed Row(s) in workflow Proactive Monitoring/wf_m_load_mobile_recor	40 min	Fri, 24 Dec 2010 23:58:22 -060
3	Disproportionate elapsed time between session and workflow for Proactiv	46 min	Fri, 24 Dec 2010 23:53:20 -060

Below the table, there are navigation controls for "Page 1 of 236" and "Alerts per Page 50".

The "Alert Detail" section at the bottom shows action buttons: "Acknowledge", "Forward", "Priority", "Delete", "Show Header", and "Show". It also includes a "Find" field and "Terms" and "Clear" options. The alert subject is displayed in a red-bordered box:

Workflow Proactive Monitoring/wf\_m\_load\_mobile\_records running for 309 seconds!

# Dashboard for Alerts

The screenshot displays the Informatica Real-Time Alert Manager interface. The top left features the Informatica logo and the text "REAL-TIME ALERT MANAGER™". The top right shows the user "pcmonitor" with options for "Sign Off" and "User Preferences".

The main interface is divided into several sections:

- Channels:** A sidebar on the left shows a tree view with "All (Default)" and "All (Default) (11820)".
- Alert List:** The central area contains a table of alerts. The first alert is highlighted with a red box: "PowerCenter workflow wf\_m\_load\_mobile\_records elapsed time 140 sec 21 sec" with a "Created Date" of "Sat, 25 Dec 2010 15:36:29 -060".
- Alert Detail:** Below the list, the details for the selected alert are shown. A red box highlights the text: "PowerCenter workflow wf\_m\_load\_mobile\_records elapsed time 140 seconds exceeds the average (61.33333333333336) of the last 3 runs by 15 percent".

Navigation and control elements include "Add Channel", "Add Folder", "Send New Alert", "Channel: All (Default)", "Acknowledge", "Delete", "Delete All in Channel/Folder", "Search", "Go", "Show Search", "Page 1 of 237", "Alerts per Page 50", and "Displaying 1 - 50 of 11820".

# Dashboard for Alerts

pcmonitor Sign Off | User Preferences

## ALERT MANAGER™

Alert List Send New Alert

Channel: All (Default)  Acknowledge  Delete  Delete All in Channel/Folder Search:  Go Show Search

<input type="checkbox"/>	Priority	Alert Subject	Age	Created Date
<input checked="" type="checkbox"/>	2	Workflow Proactive Monitoring/wf_m_load_mobile_records missed sched	53 sec	Sat, 25 Dec 2010 17:11:16 -060
<input type="checkbox"/>	3	Disproportionate elapsed time between session and workflow for Proacti	10 min	Sat, 25 Dec 2010 17:01:30 -060
<input type="checkbox"/>	2	2 Failed Row(s) in workflow Proactive Monitoring/wf_m_load_mobile_recor	12 min	Sat, 25 Dec 2010 16:59:22 -060
<input type="checkbox"/>	3	Disproportionate elapsed time between session and workflow for Proacti	20 min	Sat, 25 Dec 2010 16:51:29 -060
<input type="checkbox"/>	2	2 Failed Row(s) in workflow Proactive Monitoring/wf_m_load_mobile_recor	22 min	Sat, 25 Dec 2010 16:49:22 -060
<input type="checkbox"/>	3	Disproportionate elapsed time between session and workflow for Proacti	30 min	Sat, 25 Dec 2010 16:41:29 -060
<input type="checkbox"/>	2	2 Failed Row(s) in workflow Proactive Monitoring/wf_m_load_mobile_recor	32 min	Sat, 25 Dec 2010 16:39:32 -060
<input type="checkbox"/>	3	Disproportionate elapsed time between session and workflow for Proacti	40 min	Sat, 25 Dec 2010 16:31:29 -060
<input type="checkbox"/>	2	2 Failed Row(s) in workflow Proactive Monitoring/wf_m_load_mobile_recor	42 min	Sat, 25 Dec 2010 16:29:22 -060

Page 1 of 237 Alerts per Page 50 Displaying 1 - 50 of 11842

### Alert Detail

Acknowledge  Forward  Priority  Delete  Show Header Show  Find  Terms  Clear

Workflow Proactive Monitoring/wf\_m\_load\_mobile\_records missed schedule by 196 seconds

# Sample Rule: PowerCenter workflows > 5mins

The screenshot displays the Informatica RulePoint web interface. The user is logged in as 'Root O. Root'. The main navigation bar includes 'Home', 'Rules', 'Services', 'Responses', 'Events', 'Topics', and 'Watchlists'. The left sidebar shows a tree view of 'Topics' with various folders and items, including 'SmartMeter', 'Transaction\_Fleet', 'Transaction\_PCard', 'Transaction\_Travel', 'transactions\_core', 'SFDC', 'SFDC\_dedup', 'sfdc staging', 'pc\_session\_log\_elapsed\_throu', 'pc\_workflow\_session\_run\_sta', 'pc\_executing\_workflows', 'pc\_mappings', 'pc\_sessions', 'pc\_session\_target\_log', 'pc\_missed\_workflows', and 'pc\_scheduled\_workflows'. The main content area is titled 'View Template Rule: PowerCenter Workflows running for more than 5 minutes'. It includes a toolbar with 'Edit', 'Copy', 'Convert to Advanced', 'Create a Template', 'Delete', and 'View All Rules'. The rule details are as follows:

- Rule Name:** PowerCenter Workflows running for more than 5 minutes
- Rule Type:** Template Rule
- Template Name:** PowerCenter Long Running Workflows by Duration and Folder
- Template Description:** PowerCenter Long Running Workflows by Duration and Folder

The parameters section shows:

- Duration (seconds):** 300
- Folder:** Proactive Monitoring

The information section shows:

- Description:** PowerCenter Workflows running for more than 5 minutes
- Creator:** root Root
- Last Match:** 2010-12-25 00:43:10
- Matches:** 11380
- Status:** favorite

At the bottom, there is an 'Access Control List' table:

Name	Distinct Name	Access	Permission
Root, root	uid=root,ou=people,dc=merschemotors,dc=com	GRANTED	ADMIN

# Sample Rule: PowerCenter workflows > 15% avg

**INFORMATICA RULEPOINT** Root 0. Root | Sign Off | Administration | User Preferences | Help

Home Rules Services Responses Events Topics Watchlists

View Template: PowerCenter Workflow Elapsed Time greater than recent Average Advanced Template

Edit Copy Upgrade History New Rule From Template Delete View All Templates

**Template Details**

**Template Name:** PowerCenter Workflow Elapsed Time greater than recent Average Advanced Template

**When:** 1 pc\_workflow\_session\_run\_status t0

**With:** t0.workflow\_name = " << workflow\_name >> "  
AND divide\_percent(t0.workflow\_elapsed\_secs, << percent >> ) > average(pc\_getLastNWorkflowTimes ( << workflow\_name >>, << num\_runs >> )) A5 ave\_elapsed\_secs

**Within:**

**Then:**  "Send RTAM Alert" with metadata = "{}", body = "PowerCenter workflow << workflow\_name >> elapsed time \${workflow\_elapsed\_secs} seconds exceeds the average (\${ave\_elapsed\_secs}) of the last << num\_runs >> runs by << percent >> percent", subject = "PowerCenter workflow << workflow\_name >> elapsed time \${workflow\_elapsed\_secs} seconds exceeds the average (\${ave\_elapsed\_secs}) of the last << num\_runs >> runs",

Topics

- pc\_session\_log\_elapsed\_throu
- pc\_workflow\_session\_run\_status folder
  - session\_elapsed\_secs
  - session\_end\_time
  - session\_name
  - session\_run\_status
  - session\_run\_status\_code
  - session\_start\_time
  - session\_status
  - session\_to\_workflow\_ratio
  - timestamp
  - workflow\_elapsed\_secs
  - workflow\_end\_time
  - workflow\_name
  - workflow\_run\_id
  - workflow\_run\_status
  - workflow\_run\_status\_code
  - workflow\_start\_time
  - workflow\_status
- pc\_executing\_workflows
- pc\_mappings

**INFORMATICA RULEPOINT** Home Rules Services Responses Events Topics Watchlists

View Template Rule: PowerCenter Workflow wf\_m\_mobile\_records Elapsed Time greater than 15pc of recent Average of 3 runs

Edit Copy Convert to Advanced Create a Template Delete View All Rules

**Rule Details**

**Rule Name:** PowerCenter Workflow wf\_m\_mobile\_records Elapsed Time greater than 15pc of recent Average of 3 runs

**Rule Type:** Template Rule

**Template Name:** PowerCenter Workflow Elapsed Time greater than recent Average Advanced Template

**Template Description:** PowerCenter Workflow Elapsed Time greater than recent Average Advanced Template

**Parameters**

**Workflow Name:** wf\_m\_load\_mobile\_records

**Percentage increase over Average:** 15

**Number of Runs to compute Average:** 3

**Information**

**Description:** PowerCenter Workflow wf\_m\_mobile\_records Elapsed Time greater than 15pc of recent Average of 3 runs

**Creator:** root Root

**Last Match:** 2010-12-24 23:23:29

**Matches:** 9

**Status:** favorite

Topics

- pc\_session\_log\_elapsed\_throu
- pc\_workflow\_session\_run\_status folder
  - session\_elapsed\_secs
  - session\_end\_time
  - session\_name
  - session\_run\_status
  - session\_run\_status\_code
  - session\_start\_time
  - session\_status
  - session\_to\_workflow\_ratio
  - timestamp
  - workflow\_elapsed\_secs
  - workflow\_end\_time
  - workflow\_name
  - workflow\_run\_id
  - workflow\_run\_status
  - workflow\_run\_status\_code
  - workflow\_start\_time
  - workflow\_status
- pc\_executing\_workflows
- pc\_mappings