

Informatica® Corporation

Proactive Monitoring for PowerCenter Operations®

Version 2.5

Release Notes

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This document contains important information about installation, new features and enhancements, fixed limitations, and known limitations of Proactive Monitoring for PowerCenter Operations 2.5.

Installation

Before you install Proactive Monitoring for PowerCenter Operations 2.5, you must install and configure PowerCenter, Informatica RulePoint, and Informatica Real-Time Alert Manager.

You can install Proactive Monitoring for PowerCenter Operations in graphical or console mode on Windows, Linux, AIX, or Solaris. For detailed installation instructions, see *Informatica Proactive Monitoring for PowerCenter Operations 2.5 Solutions Guide*.

Proactive Monitoring for PowerCenter Operations supports homogenous database environments for an instance of RulePoint, Real-Time Alert Manager, and PowerCenter. Therefore, use the same database type for both PowerCenter and RulePoint for an instance. For example, if you install PowerCenter on Oracle, you must install RulePoint on Oracle. On the other hand, difference in the operating system does not affect the functioning of Proactive Monitoring for PowerCenter Governance.

Fixed Limitations

The following table lists the issues that are resolved in Proactive Monitoring for PowerCenter Operations 2.5:

CR	Description
327570	The Proactive Monitoring for PowerCenter Operations 2.1 installer automates the configuration of the solution to monitor a single PowerCenter node. Monitoring of additional nodes requires customization of the sources

CR	Description
	Effective from version 2.5, the solution enables monitoring of a PowerCenter domain with multiple node deployment. The 2.5 release also has support to monitor grid and high availability of PowerCenter deployments. You can now monitor multiple Repository Services, Integration Services, and Web Services Hubs running on a PowerCenter domain.
317309	In version 2.1, the timestamp parameter files used by the Proactive Monitoring SQL sources are stored under the dbEnv directory in RulePoint. These parameter files get deleted when Apache Tomcat is shut down and causes the timestamp parameter to get reset to the value persisted in the database resulting in duplicate events and alerts when Apache Tomcat is restarted. Effective from version 2.5, the timestamp parameters are stored in the database and can be configured through the Proactive Monitoring Management Console.
310336	In version 2.1, the Node Process Property Monitor Service sums the CPU utilization percentage from all the CPUs in a multi-core environment instead of taking the average of the utilization. Effective from version 2.5, CPU calculates the CPU percentage based on the average of the CPU utilized in a multicore environment.
309805	In version 2.1, the installer does not allow users to specify additional jdbc properties in the jdbc URL string. Effective from version 2.5, users can provide additional jdbc parameters to the Connection URL during the install.
308569	In version 2.1, the pc_alert_history body was not large enough and caused the PowerCenter Alert Recorder Response to be disabled when the alert body was over 2000 characters In version 2.5, this limit has been increased.
301854	During the Proactive Monitoring for PowerCenter Operations 2.1 install, the following error appears when the environment monitoring node properties are not valid: <pre>** Import Failed **com.agentlogic.rulepoint.importexport. ImportExportConversionException: An error occurred while saving the service."</pre> Effective from Proactive Monitoring for PowerCenter Operations 2.5, environment statistics are collected using Node Agents. See the <i>Proactive Monitoring For PowerCenter Operations Solutions Guide</i> for more details on the Node Agent configuration.
292779	In version 2.1, the art.bat and gst.bat tool returns error if the RulePoint database user password contains special characters such as !, #, or ^. Effective from version 2.5, the Alert Recipient and Global Setting configuration is done through the Proactive Monitoring for Management Console. See the <i>Getting Started</i> section in the Management Console for more information.
292757	In version 2.1, environment monitoring issues occur intermittently in Windows and UNIX environments due to permission and configuration issues. Effective from version 2.5, the solution supports the ability to fetch environmental statistics from each node in the PowerCenter domain through Node Agents. See the <i>Proactive Monitoring For PowerCenter Operations Solutions Guide</i> for more details on the Node Agent configuration.

Known Limitations

You might encounter the following limitations when you work with Proactive Monitoring for PowerCenter Operations 2.5. If you encounter difficulties or have further questions regarding one of these limitations, contact Informatica Global Customer Support and reference the CR number.

CR	Description
333727	The alert messages generated for session failures does not display the Last Error Code in the message body.

CR	Description
	<p>Workaround: In Oracle and Microsoft SQL, the queries for the SQL source, PowerCenter Completed Sessions does not get the Last Error Code and Error Message as part of the query.</p> <p>Change the existing queries in RulePoint for the PowerCenter Completed Sessions SQL Source to the following queries:</p> <ul style="list-style-type: none"> - Oracle. <pre> SELECT s.subj_name folder, t.workflow_id, w.workflow_name, t.workflow_run_id, t.task_id session_id, t.instance_name session_name, t.run_status_code session_run_status_code, decode(t.run_status_code, 1, 'Succeeded', 2, 'Disabled', 3, 'Failed', 4, 'Stopped', 5, 'Aborted', 6, 'Running', 15,'Terminated') session_run_status, l.targ_success_rows successful_target_rows, l.src_success_rows successful_source_rows, l.targ_failed_rows failed_target_rows, l.src_failed_rows failed_source_rows, to_char(t. start_time,'yyyy-mm-dd hh24:mi:ss') session_start_time, to_char(t. end_time,'yyyy-mm-dd hh24:mi:ss') session_end_time, to_char(t.end_time,'yyyy-mm-dd hh24:mi:ss') tstamp , round(24*60*60*(t.end_time-t.start_time)) session_elapsed_secs, round(l.targ_success_rows/ (24*60*60* (t.end_time-t.start_time)),2) throughput_rows_per_sec , l.first_error_code, CASE WHEN t.run_err_msg is null THEN 'N/A' ELSE t.run_err_msg END last_error, t.run_err_code last_error_code, to_char(sysdate, 'yyyy-mm-dd HH24:MI:SS') curr_tstamp , w.server_name is_name FROM opb_sess_task_log l, opb_subject s, opb_task_inst_run t, opb_wflow_run w WHERE t.instance_id = l.instance_id AND t.workflow_id = l.workflow_id AND t.workflow_run_id = l.workflow_run_id AND t.subject_id = s.subj_id AND w.workflow_run_id = l.workflow_run_id AND t.task_type = 68 AND t.end_time > t.start_time AND t.end_time > to_date(<<tstamp>>,'yyyy-mm-dd hh24:mi:ss') ORDER BY tstamp </pre> - Microsoft SQL <pre> SELECT s.subj_name folder, t.workflow_id, w.workflow_name, t.workflow_run_id, t.task_id session_id, t.instance_name session_name, t.run_status_code session_run_status_code, CASE WHEN (t.run_status_code = 1) THEN 'Succeeded' WHEN (t.run_status_code = 2) THEN 'Disabled' WHEN (t.run_status_code = 3) THEN 'Failed' WHEN (t.run_status_code = 4) THEN 'Stopped' WHEN (t.run_status_code = 5) THEN 'Aborted' WHEN (t.run_status_code = 6) THEN 'Running' WHEN (t.run_status_code = 15) THEN 'Terminated' END session_run_status, l.targ_success_rows successful_target_rows, l.src_success_rows successful_source_rows, l.targ_failed_rows failed_target_rows, l.src_failed_rows failed_source_rows, CONVERT(varchar(30),t.start_time, 120) session_start_time, CONVERT(varchar(30),t.end_time,120) session_end_time, CONVERT(varchar(30),t.end_time,120) tstamp, DATEDIFF(ss, t.start_time,t.end_time) session_elapsed_secs, CAST (CONVERT(DECIMAL(28,2),l.targ_success_rows)/CONVERT(DECIMAL(28,2), DATEDIFF(ss, t.start_time, t.end_time)) as DECIMAL(5, 2)) throughput_rows_per_sec , l.first_error_code, CASE WHEN t.run_err_msg is null THEN 'N/A' ELSE t.run_err_msg END last_error, t.run_err_code last_error_code, w.server_name is_name, CONVERT(varchar, sysdatetime() , 120) curr_tstamp FROM opb_sess_task_log l, opb_subject s, opb_task_inst_run t, opb_wflow_run w WHERE t.instance_id = l.instance_id AND t.workflow_id = l.workflow_id AND t.workflow_run_id = l.workflow_run_id AND t.subject_id = s.subj_id AND w.workflow_run_id = l.workflow_run_id AND t.task_type = 68 AND t.end_time > t.start_time AND t.end_time > CONVERT(datetime, <<tstamp>> ,120) ORDER BY tstamp </pre>
328696	<p>You must enter the RTAM user IDs separated by semicolon. If you enter the RTAM user IDs separated by comma, the users will not receive any alert.</p> <p>Note: The hint text in the Alert Recipients page of the Proactive Monitoring Management Console is not correct.</p>
327668	<p>The node agent collects CPU and memory statistics from each monitored node and stores the information in the Proactive Monitoring repository. When you configure the node agent in the Management Console, you must specify both CPU and memory usage settings. If you configure only one of these settings, the node agent does not report the statistics.</p>
327643	<p>The upgrade installer does not remove tools like art and gst from the previous installation. The Proactive Monitoring version 2.5 does not support these obsolete tools. Use the Proactive Monitoring Management Console to configure the alert recipients and the global settings.</p>

CR	Description
327601	You might see exceptions when you rename a PowerCenter Repository Service that is being monitored. When you revert to the original PowerCenter Repository Service name, the statistics are generated from the start time of the install and might result in duplicate alerts.
327509	The contents of the PowerCenter Monitored Folders watchlist are not retained after an upgrade. Workaround: After the upgrade, re-enter the names of the PowerCenter Folders that are to be monitored in the watchlist.
327456	The URL to connect to the Proactive Monitoring Management Console defaults to the localhost and port 8080. Workaround: Specify the RulePoint URL with the fully qualified host name and the port number on which RulePoint is running in the <code>pmpc.properties</code> file under the <code>C:\Tomcat\webapps\pmpc\WEB-INF\classes</code> directory.
327292	When the Proactive Monitoring database and the PowerCenter databases are on different nodes set up with different time zones, the alerts are not generated correctly. Workaround: Ensure that the databases are set up using the same time zone and the clocks on the machines are synchronized.
327208	The Proactive Monitoring Management Console does not validate the associated node or PowerCenter Repository Service provided in the PowerCenter Integration Service details.
327089	After you upgrade from version 2.0, you must configure the Proactive Monitoring solution to provide details of the nodes and PowerCenter Services that are to be monitored. Effective from version 2.5, all service configuration details for the solution are managed through the Proactive Monitoring Management Console. Refer the Getting Started Section in the Management Console for detailed steps on the configuration.
326954	The upgrade from version 2.1 to 2.5 in Microsoft SQL Server creates procedures under dbo and not db_datareader. This causes the procedures to fail during the upgrade process. Contact Informatica Global Customer Support for assistance with the upgrade from version 2.1 to 2.5 on Microsoft SQL Server.
326952	RulePoint and Proactive Monitoring for PowerCenter Operations do not work with the DataDirect driver against Microsoft SQL Server setup with Windows authentication. The following errors appear on Tomcat startup: WARN : ThreadPoolAsynchronousRunner] com.mchange.v2.async.ThreadPoolAsynchronousRunner \$DeadlockDetector@61efb003 -- APPARENT DEADLOCK!!! Creating emergency threads for unassigned pending tasks!
326828	The topic tree structure for Proactive Monitoring for PowerCenter Operations gets flattened when the install is done as a non-administrator RulePoint user or an LDAP user.
326504	Proactive Monitoring for PowerCenter Operations does not check database tablespace privileges when the PowerCenter read-only user is provided in the PowerCenter Repository Service configuration. Workaround: Privileges must be granted for the <code>dba_free_space</code> and <code>dba_data_files</code> to be able to monitor tablespaces in Oracle. Ensure that these privileges are granted to the read-only user for tablespace monitoring.
326298	Proactive Monitoring Management Console does not allow the user to update the repository, folder, or workflow name after the alert recipient configuration is saved. Workaround: You can update only the email and Real-Time Alert Manager configuration after you save the alert recipient configuration. To change the repository, folder, or the workflow name, you must delete the alert recipient entry and create it again.
326231	Proactive Monitoring for PowerCenter Operations displays alerts for the PowerCenter Integration Service although it is not configured, if other Integration Services associated with the same Repository Service are configured in the console.

CR	Description
326024	<p>The timestamp parameter value in the console allows incorrect days to be saved for a month. The PMPC SQL source fails if you enter incorrect days for a month.</p> <p>Workaround: Ensure that the number of days in the month is correct when you enter the timestamp parameter through the Management Console.</p>
326021	<p>Password appears in the logs when logging into the Proactive Monitoring Management Console.</p> <p>Workaround: Set the logger level in Tomcat <code>logging.properties</code> to severe. For example, <code>com.agentlogic.rulepoint.level = SEVERE</code>.</p>
325993	<p>Proactive Monitoring for PowerCenter Operations installer fails if the disk usage limit is reached on UNIX.</p>
325782	<p>The PowerCenter Alert Recorder throws an <i>UncategorizedSQLException</i> and the Real-Time Alert Manager responder gets disabled by the system when the body parameter in the response has more than 32k characters. This is a limitation in the DataDirect driver.</p> <p>Workaround: Ensure that the response body does not exceed the 32K limit.</p>
325271	<p>The Proactive Monitoring for PowerCenter Operations logs may display several warning messages in a Microsoft SQL Server environment. These are messages from the driver to indicate the database name and the language settings and can be ignored.</p>
324849	<p>The following error occurs when you enable PowerCenter Web Services Hub Ping Service on AIX:</p> <pre>[ERROR: PowerCenterWebServiceHubPingSource] java.lang.NoClassDefFoundError: com.sun.org.apache.xerces.internal.dom.DocumentImpljava.util.concurrent.ExecutionException: java.lang.NoClassDefFoundError: com.sun.org.apache.xerces.internal.dom.DocumentImpl...</pre> <p>Workaround: In AIX, copy <code>jaxp-ri.jar</code> from <code>\$RP_HOME/Extras/websphere/WEB-INF/lib</code> to <code>\$RP_HOME/WEB-INF/lib</code>.</p>
323922	<p>The configuration for the folder name is not used if the Repository Service name is empty in the Alert Recipient configuration. Similarly, the configuration for the workflow name is not used if the Repository Service name or the folder name is empty in the Alert Recipient configuration.</p> <p>Workaround: Ensure that the Repository Service name or workflow name is not empty if you want to specify the names of the folders and workflows to receive alerts on.</p>
323386	<p>The Proactive Monitoring for PowerCenter Operations installer does not validate the PowerCenter domain name.</p>
323124	<p>The following SQL warnings might appear in the node agent logs:</p> <pre>The wireProtocolMode connect option has been internally changed to 2, due to the use of UTF8 transliteration</pre> <p>You can ignore these warnings.</p> <p>Workaround: If you want to disable these warnings, set the following node agent property in the <code>nodeagent.properties</code> under the <code>conf</code> directory of the node agent install:</p> <pre>db.url = <<connection_string>>;wireProtocolMode=2</pre>
319811	<p>When you run web service related service like Web Services Hub ping service, Proactive Monitoring for PowerCenter Operations writes the user name and password in a warning message in the log.</p> <p>Workaround: Set the log level to error to prevent logging warning messages. The following entry is required in the <code>log4j.xml</code> for both RulePoint and Proactive Monitoring for PowerCenter Operations:</p> <pre><logger name="com.informatica.cep.pcpm.source.wsh.support" >level value="error"/> </logger></pre>
315551	<p>The PowerCenter database operations fail with <i>Invalid Object Name opb_task</i> error when you run the Proactive Monitoring for PowerCenter Operations installer with a Microsoft SQL Server database that is configured to have case sensitive table and column names.</p>
304720	<p>When the installer imports the configuration files for Proactive Monitoring for PowerCenter Operations into RulePoint, you might see connection errors from Real-Time Alert Manager in the log. Ignore the errors as they do not affect the import.</p>

CR	Description
304346	PowerCenter Web Services Hub Workflow Control Response returns <code>Workflow run id is null</code> error if you do not specify the <code>RunId</code> . Workaround: Specify <code>WorkflowRunId</code> .
304200	PowerCenter Web Services Hub Workflow Control Response does not abort the workflow with the following command: <code>stopWorkflow with IsAbort=True</code> Workaround: Use the <code>abortWorkFlow</code> operation.
292235	The Proactive Monitoring for PowerCenter Operations installer does not exit the installation process if the Apache Tomcat instance is running. Workaround: Shutdown the instance of Apache Tomcat before installing Proactive Monitoring for PowerCenter Operations.
290749	Proactive Monitoring for PowerCenter Operations installation with RulePoint LDAP configuration shows the creator as UNAVAILABLE.

Informatica Global Customer Support

You can contact a Customer Support Center by telephone or through the Online Support. Online Support requires a user name and password. You can request a user name and password at <http://mysupport.informatica.com>.

Use the following telephone numbers to contact Informatica Global Customer Support:

North America / South America	Europe / Middle East / Africa	Asia / Australia
<p>Toll Free</p> <p>Brazil: 0800 891 0202 Mexico: 001 888 209 8853 North America: +1 877 463 2435</p>	<p>Toll Free</p> <p>France: 0805 804632 Germany: 0800 5891281 Italy: 800 915 985 Netherlands: 0800 2300001 Portugal: 800 208 360 Spain: 900 813 166 Switzerland: 0800 463 200 United Kingdom: 0800 023 4632</p> <p>Standard Rate</p> <p>Belgium: +31 30 6022 797 France: +33 1 4138 9226 Germany: +49 1805 702 702 Netherlands: +31 306 022 797 United Kingdom: +44 1628 511445</p>	<p>Toll Free</p> <p>Australia: 1 800 151 830 New Zealand: 09 9 128 901</p> <p>Standard Rate</p> <p>India: +91 80 4112 5738</p>