



Informatica® Proactive Monitoring for
PowerCenter
3.0 HotFix 1

Release Notes

Informatica Proactive Monitoring for PowerCenter Release Notes
3.0 HotFix 1
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Abstract

This document contains important information about installation, new features and enhancements, fixed limitations, and known limitations for Proactive Monitoring for PowerCenter version 3.0 HotFix 1.

CHAPTER 1

Installation and Support

This section contains additional information about installation and support changes.

Installation

Review the information in the installation section for critical information related to installing Proactive Monitoring.

Repository Database Password

When you create the password for the Proactive Monitoring repository database, ensure that the password does not contain any special characters or begin with a number. The installer fails in this situation. (INFA389462)

Installing on Windows 2012 R2

Third-party issues with the installer result in install failures on Windows 2012 R2. To work around the installation failures, perform the following tasks:

1. Run the installer with a Java version earlier than 1.7.0_51. (CORE-302)
 - a. Open the command prompt with administrative privileges and navigate to the directory that contains the extracted installation files.
 - b. Run the installer with the following command:

```
Informatica_PMPC_<Edition>_3.0HF1.exe LAX_VM "C:\<Java installation directory>\bin\java.exe"
```
2. When you run the installer, you are prompted to register the services on the **Installing** panel. Select **No**. (CORE-334)

Installing the Operations and the Governance Editions

If you install the operations and the governance editions in the same directory, the JDBC URL is incorrect in the nodeagent.properties file when the following conditions are true:

- The Proactive Monitoring repository database is on Microsoft SQL Server.
- The host name of the database machine contains a backslash (\) character.
- You install governance first, and you install operations on the governance edition.

You can work around this issue by performing either one of the following tasks:

Install the operations edition first.

Install the operations edition first, and then install the governance edition.

Update the nodeagent.properties file.

When you install the operations edition on the governance edition the JDBC URL in the nodeagent.properties file does not contain the backslash character. Before you extract the nodeagent.zip file on the nodes that you want to monitor, update the db.url property in the nodeagent.properties file to correct the JDBC string.

For example, the following custom string should appear in the properties file:

```
jdbc:informatica:sqlserver://BRFMSSQL\MSSQL2014;databaseName=dbname
```

But, the following custom string incorrectly appears in the properties file:

```
jdbc:informatica:sqlserver://BRFMSSQLMSSQL2014;databaseName=dbname
```

The following sample nodeagent.properties file shows the corrected URL:

```
# Configure these properties as needed
db.driverClass = com.informatica.jdbc.sqlserver.SQLDriver
db.url = jdbc:informatica:sqlserver://BRFMSSQL\MSSQL2014;databaseName=database
db.username = pmpcuser1
db.password = 25a0bdfdlec9e4f6a648097acc5acfe9df74j4d3a88b2c69fd0a40djd8fd0ea6
db.schema = Proactive_Monitoring
db.minPoolSize = 5
db.acquireIncrement = 5
db.maxPoolSize = 20
db.idleTestConnectionPeriod = 3600

#Interval configuration for fetching the configuration details for Node Agent.(in
seconds), Minimum 60 seconds and Maximum 600 seconds
config.interval = 60

#Number of characters to stored for process command line arguments.
config.argsLength = 128
```

(CORE-4945)

Installing on Linux

When you install the operations and the governance editions on Linux, you cannot configure email notifications. You can manually configure the email notification in the RulePoint Console after you complete the installation.

(CORE-4918)

HotFix

Review the information in the HotFix section for critical information related to applying the HotFix.

Installing on Windows 2012 R2

Third-party issues with the installer result in install failures on Windows 2012 R2. To work around the installation failures, run the installer with a Java version earlier than 1.7.0_51.

1. Open the command prompt with administrative privileges and navigate to the directory that contains the extracted installation files.
2. Run the installer with the following command:

```
Informatica_PMPC_<Edition>_3.0HF1.exe LAX_VM "C:\<Java installation directory>\bin
\java.exe
```

(CORE-302)

Restore Node Agent Files for Operations

If you installed version 3.0 Operations edition or both Operations and Governance editions, you need to back up the node agent configuration files and replace them after you apply the hotfix.

1. Before you apply the hotfix, back up the following files:

nodeagent.properties

log4j.properties

2. Apply the hotfix using the installer for the Operations edition.

3. After you apply the hotfix, open the nodeagent.zip file in the following location:

<InstallationDirectory>\Solutions\PMPC\Operations_3.0\nodeagent\

4. Copy the nodeagent.properties and log4j.properties files from <InstallationDirectory>/BACK_FROM_3.0/Solutions/PMPC/nodeagent/conf to <InstallationDirectory>\Solutions\PMPC\Operations_3.0\nodeagent\nodeagent.zip\conf

5. Extract the nodeagent.zip file on each node that you monitor.

6. Copy the following jar files from the <Proactive Monitoring installation directory>\rulepoint\lib\ folder to the <InstallationDirectory>\Solutions\PMPC\Operations_3.0\nodeagent\nodeagent.zip\lib folder:

dwsqserver.jar

dworacle.jar

dwdb2.jar

7. Start the node agent on each node.

On Windows, you can start the node agent from the Windows services list or from the command line:

nodeagent.bat start

On UNIX, you can start the node agent from the command line:

nodeagent.sh start

(CORE-5002)

Verify Properties After You Apply the HotFix

When you apply the hotfix, the installer might not maintain the RulePoint IP address and port number properties in the solution.properties file. After you apply the hotfix, verify that solution.properties file contains the following properties before you start the services:

hostagent.ip

hostagent.port

You can find the file in the following location:

<Proactive Monitoring installation directory>\bin\conf\

The following text shows a sample properties file with the IP address and port number configured:

```
rulepoint.url=http://10.83.154.46:18080/rulepoint
username =Administrator
password =25a0bdfd1ec9e4f6a648097acc5acfef35b9bc6222b176ea6e554c515cc83364
process.timeout.designtime=180000
process.timeout.hostagent=30000
process.timeout.topology=180000
hostagent.ip=<host IP>
hostagent.port=<host agent port>
```

(CORE-5001)

Verify Validity of Objects on Microsoft SQL Server

After you apply the hotfix, some of the sources, rules, analytics, and templates in a Microsoft SQL Server repository might appear as not valid. To work around the issue, perform the following tasks:

1. Log in to the RulePoint Console.
2. On the **Design** tab, sort the objects by "Validity" and search for "false."
3. Reset the validity to be true.
4. Redeploy any object in the state of "Needs Deployment."
5. Restart the Proactive Monitoring instance.
(CORE-4999)

Support Changes

Consider the following operating system support changes in version 3.0 HotFix 1:

- Support for AIX, Solaris, and SUSE Linux is deferred for version 3.0 HotFix 1. Support will be reinstated in a future release.
- Support for Red Hat Enterprise Server version 6.4 is dropped.
- Support for Windows Server 2008 RTM SP2 and 2012 RTM is dropped. You cannot apply the hotfix if version 3.0 uses one of the dropped Windows versions.

Consider the following database support changes in version 3.0 HotFix 1:

- Support for IBM DB2 is deferred for version 3.0 HotFix 1. Support will be reinstated in a future release.
- Support for Oracle 10g R2 and 11gR1 is dropped. You cannot apply the hotfix if version 3.0 uses one of the dropped Oracle versions.

For more information about product requirements and supported platforms, see the Product Availability Matrix on Informatica Network:

<https://network.informatica.com/community/informatica-network/product-availability-matrices/overview>

CHAPTER 2

Version 3.0 HotFix 1

This chapter includes the following topics:

- [Fixed Limitations \(version 3.0 HotFix 1\), 9](#)
- [Known Limitations \(version 3.0 HotFix1\), 10](#)

Fixed Limitations (version 3.0 HotFix 1)

This section contains limitations that were fixed in version 3.0 HotFix 1.

General Fixed Limitations (version 3.0 HotFix 1)

Review the Release Notes of previous releases for information about previous fixed limitations.

The following table describes fixed limitations:

Bug	Description
461083	Email responses fail with an unknown recipient error. (CORE-204)
409123	Proactive Monitoring contains poodle vulnerabilities. (CORE-194)
388436	Installation might fail with the exception <code>java.lang.IndexOutOfBoundsException</code> . This error might occur when the installer imports the Proactive Monitoring for PowerCenter objects and attempts to deploy those objects when the startup of the RulePoint topology instance is still in progress.
386780	The installation fails if the name of the installation directory contains a space.

Operations Fixed Limitations (version 3.0 HotFix 1)

Review the Release Notes of previous releases for information about previous fixed limitations.

The following table describes fixed limitations:

Bug	Description
453267	The daily report for completed sessions contains information from previous days.(CORE-203)
452152	The PC_016 Node Agent health check rule generates false alerts indicating that the node agent is down after the host is removed from the Proactive Monitoring Management Console. (CORE-202)
448178	False alerts for child processes are generated when you configure a process name to monitor. For example, if you configure pmservice to monitor, you might receive false alerts for session and command tasks. (CORE-199)
443552	The node agent process consumes large amounts of virtual memory. (CORE-198)
411991	Many inactive sessions are getting created in the Proactive Monitoring repository database. (CORE-207)

Known Limitations (version 3.0 HotFix1)

This section contains known limitations that were discovered in version 3.0 HotFix 1.

General Known Limitations (version 3.0 HotFix 1)

The following table describes known limitations:

Bug	Description
CORE-196	<p>When you start the Proactive Monitoring instance, you get the following warning message: <code>Going to buffer response of body of large or unknown size. Using getResponseBodyAsStream instead is recommended.</code></p> <p>Workaround: You can ignore this message, as it does not affect the startup of the services. (INFA415208)</p>
CORE-191	<p>Accessing the Sources, Analytics, or Templates tabs in the RulePoint Console sometimes results in an internal server error YDB-1023. This error can happen if the metadata tables in the design schema contain junk characters.</p> <p>Workaround: Contact Informatica Global Customer Support. (INFA404654)</p>

CHAPTER 3

Version 3.0

This chapter includes the following topics:

- [Fixed Limitations \(version 3.0\), 11](#)
- [Known Limitations \(version 3.0\), 13](#)

Fixed Limitations (version 3.0)

This section contains limitations that were fixed in version 3.0.

General Fixed Limitations (version 3.0)

Review the Release Notes of previous releases for information about previous fixed limitations.

The following table describes fixed limitations:

CR	Description
381621	The log trace table does not have an option to auto purge. Because the log level is set to INFO by default, the log entries consume disk space. Workaround: You can manually purge the logs, set the trace level to ERROR to view minimum logs, or disable the trace from the user interface.
325271	The Proactive Monitoring logs might display several warning messages in a Microsoft SQL Server environment. These are messages from the driver to indicate that the database name and the language settings that you can ignore.
327487	If you want to monitor a folder in two different repositories, and you specify the folder name in the watchlist PowerCenter Monitored Folders, the alerts are sent for the folder in both the repositories. You cannot restrict the alerts to only one repository.

Governance Fixed Limitations (version 3.0)

Review the Release Notes of previous releases for information about previous fixed limitations.

The following table describes fixed limitations:

CR	Description
375274	The node agent does not show the correct value of "SYSTEM_MEMORY" in the NA_SYSTEMSTATS table.
359930	PMPC SQL sources fail with an Oracle "not logged on" error.
359842	Proactive Monitoring schema results in an error when you set the database idle time to a lower value.
351685	The "PowerCenter Sessions Modified Incremental" source query returns information for all versions of a particular session.
341407	When you click the Reports view on the Operations tab, the count of alerts and service failures displays text "count" instead of actual count.
327509	The contents of the PowerCenter Monitored Folders watchlist are not retained after an upgrade.
327456	The URL to connect to the Proactive Monitoring Management Console defaults to the localhost and port 8080.
326952	<p>RulePoint and Proactive Monitoring for PowerCenter Governance do not work with the DataDirect driver against Microsoft SQL Server setup with Windows authentication.</p> <p>The following errors appear on Tomcat startup:</p> <pre>WARN : ThreadPoolAsynchronousRunner] com.mchange.v2.async.ThreadPoolAsynchronousRunner \$DeadlockDetector@61efb003 -- APPARENT DEADLOCK!!! Creating emergency threads for unassigned pending tasks!</pre>
326021	The password appears in the logs when logging into the Proactive Monitoring Management Console
325993	Proactive Monitoring for PowerCenter Governance installer fails if the disk usage limit is reached on UNIX.
325782	The PowerCenter Alert Recorder throws an UncategorizedSQLException 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.
315551	The PowerCenter database operations fail with Invalid Object Name opb_task error when you run the Proactive Monitoring for PowerCenter Governance installer with a Microsoft SQL Server database that is configured to have case sensitive table and column names.
310336	The Node Process Property Monitor Service calculates the % utilization for multiple CPUs and does not take the average of them.

Operations Fixed Limitations (version 3.0)

Review the Release Notes of previous releases for information about previous fixed limitations.

The following table describes fixed limitations:

CR	Description
375712	The node agent reports incorrect value in Proactive Monitoring for PowerCenter installed on Solaris.
359930	PMPC SQL sources fail with an Oracle "not logged on" error.
359842	The Proactive Monitoring schema results in an error when you set the database idle time to a lower value.
353034	The node agent reports incorrect CPU consumption values on Windows 2008 machine.
341407	When you click the Reports view on the Operations tab, the count of alerts and service failures displays text "count" instead of actual count.
335737	Unable to create Web Services from the Proactive Monitoring for PowerCenter Management Console as it times out in 15 milliseconds.
327509	The contents of the PowerCenter Monitored Folders watchlist are not retained after an upgrade.
327456	The URL to connect to the Proactive Monitoring Management Console defaults to the localhost and port 8080.
326952	<p>RulePoint and Proactive Monitoring for PowerCenter Operations do not work with the DataDirect driver against Microsoft SQL Server setup with Windows authentication.</p> <p>The following errors appear on Tomcat startup:</p> <pre>WARN : ThreadPoolAsynchronousRunner] com.mchange.v2.async.ThreadPoolAsynchronousRunner \$DeadlockDetector@61efb003 -- APPARENT DEADLOCK!!! Creating emergency threads for unassigned pending tasks!</pre>
326021	Password appears in the logs when logging into the Proactive Monitoring Management Console.
325993	Proactive Monitoring for PowerCenter Operations installer fails if the disk usage limit is reached on UNIX.
315551	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.

Known Limitations (version 3.0)

This section contains known limitations in version 3.0.

General Known Limitations (version 3.0)

The following table describes known limitations:

CR	Description
384042	When you click Save or Update Runtime for monitored folders, the operation takes a long time. When you save, the delay occurs because of the dependency object checks performed. When you update runtime, all the dependent objects are redeployed, which results in the delay.
347514	When loading data to the reports dashboard, the browser becomes unresponsive. This error occurs when the alert volume is high and the Proactive Monitoring for PowerCenter Management Console takes a long time to retrieve the data.

Governance Known Limitations (version 3.0)

The following table describes known limitations:

CR	Description
296301	Session attribute rules do not activate for substring values that use the contains operator. For example, Rule: contains, \$.

Operations Known Limitations (version 3.0)

The following table describes known limitations:

CR	Description
387272	When you stop the node agent and remove the host configuration from the Proactive Monitoring for PowerCenter Management Console, Proactive Monitoring for PowerCenter Operations continues to generate an alert because the host entry remains in the NA_HEARTBEAT table. To resolve this issue, Contact Informatica Global Customer Support.
386247	Proactive Monitoring for PowerCenter does not validate the configuration names that you provide for the path that you want to monitor on the host. Workaround: Do not provide special characters for configuration names. Supported characters are alphanumeric and underscore.

Third-Party Known Limitations (version 3.0)

The following table describes known limitations:

CR	Description
387855	When you install Proactive Monitoring for PowerCenter, the installation might fail with the following error: "This installer was created with an unlicensed version of InstallAnywhere. The evaluation period has expired. Please contact sales@flexerasoftware.com about licensing.". This error results because of a bug in InstallAnywhere. Workaround: Ensure that the /tmp directory has sufficient disk space available. Flexera Support Case Number: 00376118.

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