



Informatica® Proactive Monitoring for  
PowerCenter  
3.0 HotFix 1

# Installation Guide

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# Preface

The *Proactive Monitoring for PowerCenter Installation Guide* is written for the system administrator who is responsible for installing Proactive Monitoring for PowerCenter. This guide assumes you have knowledge of operating systems, relational database concepts, and the database engines, flat files, or mainframe systems in your environment. This guide also assumes you are familiar with the interface requirements for the supporting applications.

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# Part I: Pre-Installation

This part contains the following chapters:

- [Installation Overview, 10](#)
- [Before You Install, 15](#)

# CHAPTER 1

## Installation Overview

This chapter includes the following topics:

- [Proactive Monitoring for PowerCenter Installation, 10](#)
- [The Installation Process, 10](#)
- [Proactive Monitoring for PowerCenter Architecture, 11](#)

## Proactive Monitoring for PowerCenter Installation

The installer bundles the Proactive Monitoring, RulePoint, and Real-Time Alert Manager components for the Proactive Monitoring for PowerCenter solution. You must install the Informatica platform and configure PowerCenter services before you run the Proactive Monitoring installer. The installer starts the RulePoint, Real-Time Alert Manager, and Proactive Monitoring instances during installation.

**Important:** To ensure optimal monitoring results, install Proactive Monitoring for PowerCenter on a machine outside of the Informatica domain.

You can perform the following types of installation for Proactive Monitoring for PowerCenter:

- Install or apply the 3.0 HotFix 1 Governance or Operations Edition.
- Install or apply the 3.0 HotFix 1 Governance Edition on the Operations Edition.
- Install or apply the 3.0 HotFix 1 Operations Edition on the Governance Edition.

If you are currently running a version prior to 3.0, you must first upgrade to 3.0, and then you can apply version 3.0 HotFix 1.

## The Installation Process

The installation process consists of the following high-level phases:

1. Pre-installation tasks. Before you run the installer, perform the following tasks to plan and prepare for the installation:
  - Verify the system requirements.
  - Prepare the PowerCenter and Proactive Monitoring databases.
  - Install the command line utilities.

- Record installation information required by the installer.
- 2. Installation. Install Proactive Monitoring in graphical mode on Windows or in console mode on UNIX. The installer completes the following tasks:
  - Creates Proactive Monitoring services.
  - Creates schemas in the Proactive Monitoring repository.
  - Validates the domain.
  - Configures and deploys web applications for configuring and monitoring the PowerCenter environment.
  - Starts the services.
- 3. Post-installation tasks. After you run the installer, you perform the following post-install tasks:
  - Verify the installation.
  - Configure the node agent if you perform operations monitoring.
  - Enable dashboard alerts.
  - Import keystore file.

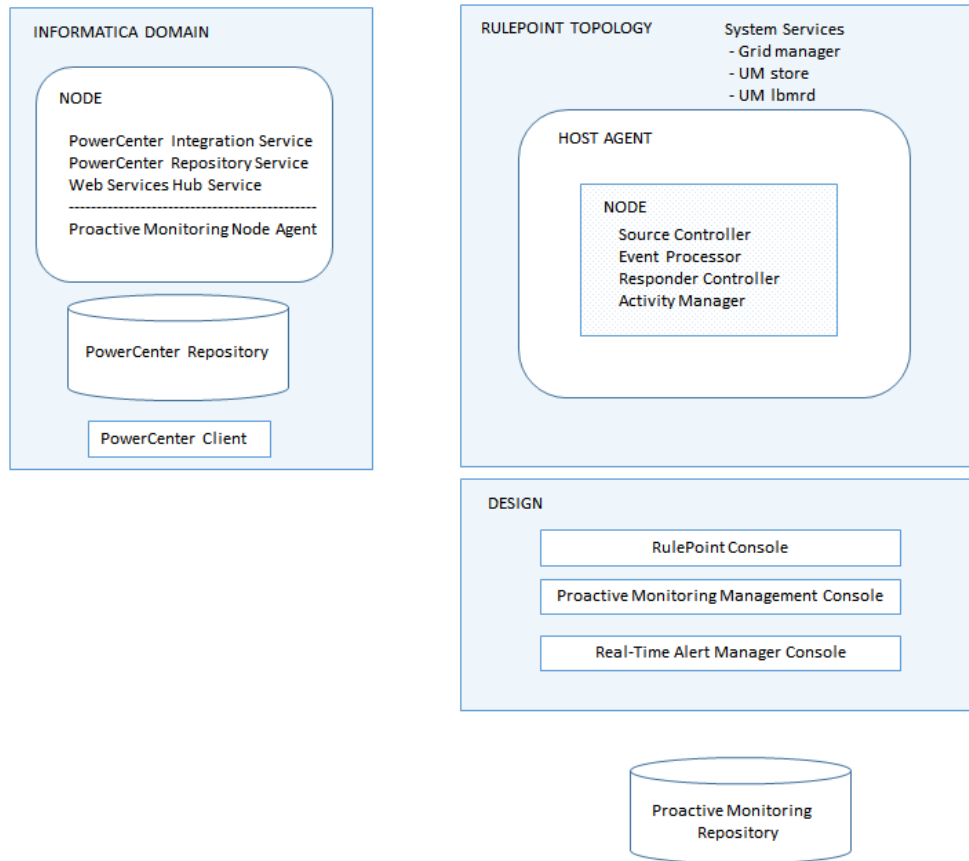
Refer to the instructions in this guide for detailed information. You can also use the installation checklist as a guideline when you install Proactive Monitoring.

## Proactive Monitoring for PowerCenter Architecture

The Proactive Monitoring for PowerCenter solution is a complex event monitoring solution that you can use to monitor PowerCenter governance and operations. It bridges the RulePoint and Real-Time Alert Manager products to PowerCenter through a set of proactive monitoring rules and services.

When you monitor PowerCenter governance, you can monitor consistency in PowerCenter development practices. When you monitor PowerCenter operations, you can monitor development and production errors and down time.

The following image shows the high-level components of the Proactive Monitoring for PowerCenter solution:



## Proactive Monitoring Solution Components

When you install Proactive Monitoring for PowerCenter, the installer creates a topology with services and design components. It also creates schemas in the Proactive Monitoring repository database.

### RulePoint Topology

The RulePoint topology is a group of application services, system services, nodes, and hosts that constitute the run-time environment in RulePoint. A topology service runs the topology.

The following RulePoint components are installed with the Proactive Monitoring for PowerCenter solution:

#### System services

Physical processes that run on the host machine. The RulePoint topology contains the following system services:

- **Grid manager.** Controls the application services in the topology. It also deploys objects into the application services and handles all interactions between the design environment and the services.
- **UM store.** Enables guaranteed delivery for data exchange across all services within RulePoint.
- **UM lbmrd.** Provides address resolver capability across the application services in RulePoint.

If you add multiple hosts or nodes to a topology to facilitate high availability, you can configure the UM store and UM lbmrd system services to enable guaranteed delivery through messaging.

### Host agent

Manages the communication between the grid manager and the nodes. A Host Agent Service manages the host agent. The node contains application services that receive monitoring data, process it, and send responses.

The following RulePoint application services run within the node:

- Source controller. Receives source data from the PowerCenter environment, pre-processes events and forwards them to an event processor.
- Event processor. Consumes events and runs rules. The event processor activates a rule when it meets the rule conditions. Then, the event processor forwards responses to the responder controller. The event processor is also known as the rules engine.
- Responder controller. Consumes event activations and delivers responses to a configured external response target. The responder controller can deliver alerts to Real-Time Alert Manager and to email recipients.
- Activity manager. Records and stores the activity of the RulePoint application services. It displays data on the dashboard.

## Design Components

The design components with the Proactive Monitoring solution are web-based applications that you use to perform configuration, deployment, and monitoring tasks. A Design Service manages the design components.

### RulePoint Console

A web-based application where you manage monitoring objects and administer RulePoint. You can create and deploy applications, manage users and the topology, and view topology activity on a dashboard.

### Real-time Alert Manager

A web-based application where you can view alerts about the monitored environment on the RTAM dashboard. Each alert has a priority, subject, and body.

### Proactive Monitoring Management Console

A web-based application where you can configure monitoring details and alert deliveries. Configure details about the domain, objects, and events that you want to monitor. Configure alert recipients and the method of delivery. If you monitor operations, you can also view monitoring reports.

## Proactive Monitoring Repository

The Proactive Monitoring for PowerCenter installation creates schemas in the repository database to store the solution metadata and configuration data, domain and topology information, and a history of responses for Real-Time Alert Manager.

## Informatica Domain

The Informatica domain is a collection of nodes and services that support the administration of the distributed services.

You must install the Informatica platform and create the application services before you install Proactive Monitoring for PowerCenter.

Proactive Monitoring for PowerCenter uses the following domain components to monitor PowerCenter governance and operations:

**PowerCenter Integration Service**

The Informatica application service that runs sessions and workflows that you monitor. It runs the following types of workflows that collect monitoring information:

- Operations web service workflows that monitor the domain and the application services on a node.
- Operations workflows that collect historical run-time statistics about PowerCenter sessions and workflows.

**PowerCenter Repository Service**

The Informatica application service that manages the PowerCenter repository. The PowerCenter Integration Service reads from and writes to the PowerCenter repository through the PowerCenter Repository Service.

**Web Services Hub Service**

The Informatica application service that runs the web service workflow in conjunction with the PowerCenter Integration Service to monitor the domain and application services on a node.

**Node agent**

An operations monitoring service that runs on the Informatica domain node and collects resource usage information from the host machine. After you install Proactive Monitoring for PowerCenter, you copy the node agent files from the Proactive Monitoring machine to the node, and register it.

**PowerCenter repository**

Stores design-time and run-time metadata related to mappings, sessions, and workflows. Proactive monitoring collects the following type of information from the PowerCenter repository:

- Governance metadata related to development standards
- Operations metadata related to active and historical run-time statistics

**PowerCenter Client**

The client tool that you use to create mappings and workflows that you run in the monitored environment. You also schedule proactive monitoring workflows through the PowerCenter Client.

## CHAPTER 2

# Before You Install

This chapter includes the following topics:

- [Read the Release Notes, 15](#)
- [Verify System Requirements, 15](#)
- [Prepare the Databases, 16](#)
- [Plan the Installation, 18](#)
- [Download and Extract the Installer Files, 19](#)
- [Verify the License Key, 19](#)
- [Configure the Command Line Utilities, 20](#)
- [Create a System User Account, 22](#)
- [Record Installation Information, 23](#)

## Read the Release Notes

Read the Release Notes for updates to the installation and upgrade process. You can also find information about known and fixed limitations for the release.

## Verify System Requirements

Verify that your environment meets minimum system requirements for the installation process, temporary disk space, port availability, databases, and hardware.

Domain	Requirement
Operating System	<ul style="list-style-type: none"><li>- Windows</li><li>- Linux</li></ul>
Database Server	<ul style="list-style-type: none"><li>- Oracle</li><li>- Microsoft SQL Server</li></ul>

Domain	Requirement
Hardware	<ul style="list-style-type: none"> <li>- 64-bit Intel or AMD compatible</li> <li>- Xenon equivalent or greater</li> <li>- 4 CPU at 1.7 GHz</li> <li>- 16 GB RAM</li> <li>- 1 Gbps Network Interface Card</li> <li>- 2.6x kernel with glibc 2.5X+ (Linux)</li> </ul>
PowerCenter	<ul style="list-style-type: none"> <li>- Install a supported PowerCenter version: 8.6.1 HotFix 13 through 10.1.</li> <li>- Create a PowerCenter Integration Service, a PowerCenter Repository Service, and a Web Services Hub Service.</li> </ul>

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>

## Verify Disk Space Requirements

Verify that your machine meets temporary and installation disk space requirements.

Consider the following space requirements for Proactive Monitoring:

### Temporary space requirements

The installer writes temporary files to the hard disk. Verify that you have enough available disk space on the machine to support the installation. When the installation completes, the installer deletes the temporary files and releases the disk space.

The installer requires 200 MB of temporary disk space.

### Installation space requirements

The Proactive Monitoring installation requires 40 GB of free disk space.

### Database space requirements

Allocate disk space for the Proactive Monitoring repository based on the number of expected incoming events and generated responses. Consider allocating from 35 to 50 GB of space for a high volume of activity.

Contact Informatica Global Customer Support for specific database size requirements for your use case.

## Prepare the Databases

Before you install Proactive Monitoring, you need to prepare the database repositories. Create a database for the Proactive Monitoring repository, and create Proactive Monitoring users in the PowerCenter repository database.

## PowerCenter Repository Database Requirements

Create a user with read-only permissions on the PowerCenter repository database. You will need to provide the user name and password when you install Proactive Monitoring.



## Create a Read-only User in Microsoft SQL Server

Log in to Microsoft SQL Server Management Studio using as the database administrator and run the following commands to create a user and assign permissions:

```
USE master
CREATE LOGIN <pcrs_readonly> WITH PASSWORD=<'pcrs_readonly'>,
DEFAULT_DATABASE=<repository database name>, CHECK_EXPIRATION=OFF, CHECK_POLICY=OFF
USE <repository database name>
CREATE USER <pcrs_readonly> FOR LOGIN 'pcrs_readonly'
ALTER USER pcrs_readonly WITH DEFAULT_SCHEMA=db_datareader
EXEC sp_addrolemember N'db_datareader', N'pcrs_readonly'
EXEC sp_addrolemember N'db_ddladmin', N'pcrs_readonly'
GRANT CREATE TABLE TO pcrs_readonly
GRANT DELETE,INSERT TO pcrs_readonly
GRANT SELECT ON sys.database_files TO pcrs_readonly
```

**Note:** Do not associate any server roles to the login other than the default public server role.

## Create a Read-only User in Oracle

Log in to the PowerCenter repository database as the database owner and perform the following tasks:

- Create a read-only user, for example *pcrs\_readonly*.
- Grant the following privileges to the user:

```
ALTER TABLE
CREATE INDEX
CREATE SESSION
CREATE SYNONYM
CREATE TABLE
CREATE VIEW
INSERT INTO TABLE
```

If you are going to monitor the Informatica environment for operations, perform the following task:

- Log in as "sys as sysdba" and run the following commands:

```
grant select on sys.dba_free_space to <read only user name>;
grant select on sys.dba.data_files to <read only user name>
```

## Proactive Monitoring Repository Requirements

Set up a database for the Proactive Monitoring repository.

The Proactive Monitoring repository supports the following database types:

- Microsoft SQL Server
- Oracle

Allocate disk space for the Proactive Monitoring repository based one on the number of expected incoming events and generated responses. Consider allocating from 35 to 50 GB of space for a high volume of activity.

**Note:** You must use the same database type as the PowerCenter repository database.

## Microsoft SQL Server Database Requirements

Create a database user account with permission to perform the following actions:

- Create, alter, drop, and select tables, views, and schemas.
- Create and drop procedures.
- Create and drop indexes.

**Note:** Ensure that the default schema is not empty.

## Oracle Database Requirements

Use the following guidelines when you set up the database repository on Oracle:

- Create a database user account with permission to perform the following actions:
  - Create, alter, drop, and select tables, views, and schemas
  - Create and drop procedures
  - Create and drop indexes
- Set parameters on the database.

The following table lists the configuration parameters that you must set:

Parameter	Value
SESSIONS	800
PROCESSES	500
TRANSACTIONS	600

# Plan the Installation

The Proactive Monitoring for PowerCenter installation contains dependencies between the installer tasks and the pre- and post-installation tasks. Before you run the installer, you need to decide on some tasks that you want the installer to perform and the tasks that you will perform.

Some tasks that the installer can perform require the Informatica command line utilities. If you want the installer to perform the tasks, you must install and configure the command line utilities on the machine where you plan to install Proactive Monitoring for PowerCenter. The configuration tasks include copying domain files and setting environment variables.

The installer can perform the following tasks:

### **Validate the domain.**

The installer validates the domain and service information that you specify in the install wizard.

**Important:** If you do not install the command line utilities, and you enter domain or service information during installation that is not valid, the installer completes without errors, but the Proactive Monitoring instance will not be valid. You must then manually remove the installation and run the installer again.

### **Import the workflow and enable reporting.**

The installer imports the workflow that generates reports from results written to the Proactive Monitoring repository.

If you do not install the command line utilities and enable reporting in the install wizard, you must manually configure reporting. To configure reporting after installation, you must edit the import .xml file and then import it into the PowerCenter repository.

## Download and Extract the Installer Files

The installer files are compressed and distributed as a ZIP file for Windows and a TAR file for UNIX. You need to download installers for Proactive Monitoring for PowerCenter (Proactive Monitoring) and the Informatica command line utilities.

**Note:** Make sure that you download the file to a local directory or a shared network drive that is mapped on your machine. You can then extract the installer files. However, you cannot run the installer from a mapped file. Copy the extracted files to a local drive and then run the installer.

### Step 1. Download the installers

You can extract the installer files using HTTP download. Download the compressed file from the Informatica Electronic Software Download (ESD) site to a directory on your machine and then extract the installer files.

When you download the installation files from the Informatica Electronic Software Download (ESD) site, the license key is in an email message from Informatica. Copy the license key file to a directory accessible to the user account that installs the product.

Contact Informatica Global Customer Support if you do not have a license key or if you have an incremental license key and you want to create a domain.

#### Command line utilities

If you want the installer to validate the domain and create PowerCenter metadata, you must download and extract the command line utilities. You can download the command line utilities through FTP. Download the compressed file from the Informatica Electronic Software Download site to a directory on your machine and then extract the installer files. Verify that you download the version of the utilities associated with the version of PowerCenter that you plan to monitor.

### Step 2. Extract the installer files

On Windows, use a ZIP utility to extract the installer files to a directory on your machine. Verify the ZIP utility version is compatible with the Windows operating system version. When you unzip the file, verify that the ZIP utility also extracts empty folders.

On UNIX, use a native tar or GNU TAR utility to extract the installer files to a directory on your machine. The user that runs the installer must have read and write permissions on the installer files directory and execute permissions on install.sh.

## Verify the License Key

Before you install the software, verify that you have the license key available.

When you download the installation files from the Informatica Electronic Software Download (ESD) site, the license key is in an email message from Informatica. Copy the license key file to a directory accessible to the user account that installs the product.

Contact Informatica Global Customer Support if you do not have a license key or if you have an incremental license key and you want to create a domain.

## Configure the Command Line Utilities

Configure the command line utilities so that the Proactive Monitoring for PowerCenter installer can perform domain tasks during the installation process.

The Proactive Monitoring installer uses the command line utilities to perform the following tasks:

- Validates the domain information and the application service names.
- Creates a connection object in the PowerCenter repository to connect to the Proactive Monitoring database.
- Imports a workflow into the PowerCenter repository that generates reports.

## Install Microsoft Visual Studio on Windows

The command line utilities on Windows require the Microsoft Visual Studio redistributable package.

The redistributable package is included with the command line utility files that you extracted. The version of Microsoft Visual Studio depends on the version of the utilities that you extracted. The version will be 2008 or 2013.

Run the file located in the following directory:

```
<utilities installation directory>/PowerCenter/server/<Microsoft Visual Studio version>
```

## Copy Domain Files

Copy files from the domain that the installer requires to run commands through the command line program.

Copy the following files from the Informatica domain to the machine where you installed the command line utilities:

- krb5.conf. If the domain uses Kerberos authentication, copy the Kerberos configuration file from the Informatica domain.
- truststore files. If the domain uses a custom Transport Layer Security (TLS) protocol, copy infa\_truststore.jks and infa\_truststore.pem from the Informatica domain.

## Set Environment Variables

Set environment variables that the installer requires to run commands through the command line program.

### **PATH**

On UNIX, set PATH to the PowerCenter\server\bin directory of the command line utilities installation, such as `<Utilities installation directory>\PowerCenter\server\bin`.

### **Library path**

On UNIX, set the library path environment variable to the PowerCenter\server\bin directory of the command line utilities.

## INFA\_TRUSTSTORE

If the domain is enabled for secure communication, set the INFA\_TRUSTSTORE environment variable with the directory that contains the truststore files for the SSL certificates. The directory must contain truststore files named infa\_truststore.jks and infa\_truststore.pem. You must set the INFA\_TRUSTSTORE variable whether you use the default SSL certificate from Informatica or you specify an SSL certificate.

## INFA\_TRUSTSTORE\_PASSWORD

If you specify the SSL certificate to enable secure communication in the domain, set the INFA\_TRUSTSTORE\_PASSWORD environment variable with the encrypted password for the infa\_truststore.jks that contains the SSL certificate. You do not need to set this variable if you use the default SSL certificate from Informatica.

## KRB5\_CONFIG

If the domain uses Kerberos authentication, set KRB5\_CONFIG to the path and file name of the Kerberos configuration file. The name of the Kerberos configuration file is krb5.conf.

# Create a PowerCenter Folder

The installer imports the reporting workflow into the PowerCenter repository. You need to create a PowerCenter folder to store the Proactive Monitoring workflow and associated objects.

Use the pmrep command line utility to create a folder in the PowerCenter repository. Use a folder name such as "pmpc\_workflow."

From the command line, enter the following command:

```
pmrep connect -r <repository name>
createfolder
-n <folder name>
-d <folder description>
-a <owner security domain>
```

When you run the command, consider the following rules and guidelines:

- To avoid errors at run time, do not put a period (.) in the folder name.
- The owner security domain is required only if the domain uses LDAP authentication.

You will need the folder name when you configure the pmrep control file that the installer uses to import the workflow.

# Configure the Control File

The installer uses pmrep to import the reporting workflow into the PowerCenter repository. You must configure the control file that pmrep uses to perform the import.

The extracted installer files contain a control file with the parameters required to import the workflow. You need to update the parameter values based on your repository. Find the control file associated with the PowerCenter repository database type.

The control file is in the following location: <Installer download directory>\bin\packs\controlFile\<database type>\

The following example shows the control file text that you need to edit:

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSPY v5 U (http://www.xmlspy.com) by a_patil (Informatica) -->
<!--Sample XML file generated by XMLSPY v5 U (http://www.xmlspy.com)-->

<IMPORTPARAMS >
    <FOLDERMAP
```

```

SOURCEFOLDERNAME="pmpc_reporting_<database>"
SOURCEREPOSITORYNAME="RS_1"
TARGETFOLDERNAME=""
TARGETREPOSITORYNAME="" />
    <RESOLVECONFLICT>
        <TYPEOBJECT OBJECTTYPE="All" RESOLUTION="REUSE" />
    </RESOLVECONFLICT>
</IMPORTPARAMS>

```

The following table describes the parameters that you need to update in the control file:

Parameter	Value
TARGETFOLDERNAME	The name of the target folder where you want to store the reporting workflow.
TARGETREPOSITORYNAME	The name of the PowerCenter repository.

When you run the installer, you must provide a path to the control file.

## Encrypt Password

If you specify the SSL certificate to enable secure communication in the domain, you must encrypt the password for the `infa_truststore.jks` that contains the SSL certificate.

Use the `pmpasswd` command line utility to encrypt the password, and then you set the `INFA_TRUSTSTORE_PASSWORD` environment variable with the encrypted password.

From the command line enter the following command:

```
pmpasswd <password>
```

`pmpasswd` returns the encrypted password.

Use the encrypted password when you set the environment variable `INFA_TRUSTSTORE_PASSWORD`.

## Create a System User Account

Create a system user account to perform the installation.

### Windows

To access a repository on Microsoft SQL Server that uses a Windows trusted connection, create a domain account.

The user account requires the following permissions:

- Logged in user account. The user account must be a member of the Administrators group and have the Log on as a service permission. Log in with this user account before you install Proactive Monitoring.
- Another user account. The user account must be a member of the Administrators group and have Log on as a service and Act as operating system permissions. Log in with this user account before you install Proactive Monitoring.
- Execute permission on the command line utility files

## UNIX

Verify that the user account that you use to install Proactive Monitoring has the following permissions:

- Read, write, and execute permission on the installation directory
- Write permission on the `/tmp` directory
- Execute permission on the command line utility files

# Record Installation Information

When you install Proactive Monitoring, you need to know information about the Informatica domain, the databases, and other install requirements.

Use the tables in this section to record the information that you need.

## License and Installation Directory

Use the following table to record License and installation directory information that you need when you run the installer:

Installer Property	Value
Installation directory	
License file path and name	

## Proactive Monitoring Repository Database

Use the following table to record **Proactive Monitoring Repository Database** information that you need when you run the installer:

Installer Property	Description	Value
Database type	Database type for the Proactive Monitoring database.	
Database user name	User name of the Proactive Monitoring database.	
Database password	Password for the Proactive Monitoring user.	
Database host	The name of the machine hosting the database.	
Database port	The port number of the database.	

Installer Property	Description	Value
SID/Service name	The service name or database name. If the database is on Oracle, indicate whether to use the SID or service name in the JDBC connection string. For Oracle RAC databases, select from Oracle SID or Oracle service name. For other Oracle databases, select Oracle SID.	
JDBC parameters	Optional parameters to include in the database connection string. Use the parameters to optimize database operations for the database. Verify that the parameter string is valid.	
Custom JDBC connection string	Custom JDBC string for the DataDirect drivers.	

## Informatica Domain and Application Details

Use the following table to record **Informatica Domain and Application Details** information that you need when you run the installer:

Installer Property	Description	Value
Domain name	Name of the Informatica domain that you want to monitor.	
Node host name	Host name of the gateway node.	
Node port number	Gateway port number of the Informatica domain.	
Domain user name	User name of the Informatica administrator.	
Domain password	Password of the Informatica administrator.	
Security domain name	Required if the Informatica domain uses LDAP or Kerberos authentication.	
PowerCenter Repository Service	The name of the PowerCenter Repository Service.	
PowerCenter Integration Service	The name of the PowerCenter Integration Service.	



Installer Property	Description	Value
Connection name	The name of the connection that you want to create to the Proactive Monitoring repository database. The installer creates a connection object before it imports reporting workflows into the PowerCenter repository.	
Connect string	The connection string to the Proactive Monitoring repository database.	
Location of the command line utilities	The path to the command line utilities.	
Control file location	The path to the pmrep control file.	
Code page	The code page of the PowerCenter Repository Service.	

## PowerCenter Repository Database

Use the following table to record PowerCenter repository database and user information that you need when you run the installer:

Installer Property	Description	Value
Database type	Database type for the PowerCenter repository database.	
Database user name	User name of the PowerCenter repository database.	
Database password	Password for the PowerCenter user.	
Database host	Name of the machine that hosts the PowerCenter repository database.	
Database port number	Port number of the PowerCenter repository database.	
SID/Service name	The service name or database name. If the database is on Oracle, indicate whether to use the SID or service name in the JDBC connection string. For Oracle RAC databases, select from Oracle SID or Oracle service name. For other Oracle databases, select Oracle SID.	
JDBC parameters	Optional parameters to include in the database connection string. Use the parameters to optimize database operations for the database. Verify that the parameter string is valid.	

Installer Property	Description	Value
Custom JDBC connection string	Custom JDBC connection string to the DataDirect drivers	
Read-only user name	Name of the read-only user for the PowerCenter repository.	
Read-only password	Password of the read-only user.	

## RulePoint Topology

Use the following table to record **RulePoint Topology** information that you need when you run the installer:

Installer Property	Description	Value
Keystore file path and name	The path and file name of the keystore file on the topology machine. Required if the domain uses https and you are using an existing keystore file.	
Keystore Password	Plain-text password for the keystore file.	

## Email Notifications

Use the following table to record **Email Notifications** information that you can configure when you run the installer:

Installer Property	Description	Value
SMTP host	The fully qualified domain name of the SMTP server that you use to send alerts.	
Port	The port number of the SMTP server.	
User name	User account name of the SMTP server.	
Password	User account password.	

# Part II: Installation

This part contains the following chapters:

- [Proactive Monitoring Governance Installation on Windows, 28](#)
- [Proactive Monitoring Governance Installation on UNIX, 34](#)
- [Proactive Monitoring Operations Installation on Windows, 40](#)
- [Proactive Monitoring Operations Installation on UNIX, 46](#)

## CHAPTER 3

# Proactive Monitoring Governance Installation on Windows

This chapter includes the following topics:

- [Installing the Governance Edition for Windows, 28](#)
- [Installing the Governance Edition on an Operations Edition for Windows, 33](#)

## Installing the Governance Edition for Windows

You can install Proactive Monitoring for PowerCenter Governance in graphical mode on Windows.

1. Go to the root directory, right-click the `Informatica_PMPC_Governance_3.0HF1.exe` file and select **Run as administrator**.  
The **Introduction** page appears.
2. Select **Proactive Monitoring for PowerCenter Governance 3.0 HotFix 1**.
3. Click **Install**.  
The **Prerequisites** page displays the installation requirements. Verify that all requirements are met before you continue the installation.
4. Click **Next**.  
The **Installation Directory** page appears.
5. Enter the directory where you want to install Proactive Monitoring for PowerCenter.  
The default location of the installation directory is `C:\Proactive_Monitoring`.
6. Click **Next**.  
The **License File** page appears.
7. Enter the path and file name of the license file, and click **Next**.  
The **Proactive Monitoring Repository Database** page appears.
8. Select the database for the Proactive Monitoring repository.
  - Oracle
  - Microsoft SQL Server

9. Enter the following information about the Proactive Monitoring repository database:

Property	Description
Database user name	User name of the Proactive Monitoring database.
Database password	Password for the Proactive Monitoring user.
Database host	The name of the machine hosting the database.
Database port	The port number of the database.
SID/Service name	The service name or database name. If the database is on Oracle, indicate whether to use the SID or service name in the JDBC connection string. For Oracle RAC databases, select from Oracle SID or Oracle service name. For other Oracle databases, select Oracle SID.
JDBC parameters	Optional parameters to include in the database connection string. Use the parameters to optimize database operations for the database. Verify that the parameter string is valid.
Custom JDBC connection string	Custom JDBC connection string for the DataDirect drivers. You can use the following syntax in the connection string: - Oracle. For example, jdbc:Informatica:oracle:// <host_name>:<port_no>;ServiceName=<database name> - Microsoft SQL Server. For example, jdbc:Informatica:sqlserver:// <host_name>:<port_no>;DatabaseName=<database name>

10. Click **Test Connection** to verify that you can connect to the database.  
If the connection to the database is successful, a success message appears.
11. Click **Next**.  
The **Proactive Monitoring Schemas** page appears.  
The installer creates the following default schemas for Proactive Monitoring for PowerCenter:
- RulePoint\_Design
  - RulePoint\_RTAM
  - RulePoint\_Topology
  - RulePoint\_TopologyState
  - RulePoint\_Activity
  - Proactive\_Monitoring
12. Click **Next** to accept the default schema names or enter new schema names and then click **Next**.  
The **Informatica Domain and Application Details** page appears.
13. Enter the domain information. To validate the domain information, select **Validate the domain information**.

The installer validates the domain information through the command line utilities.

Property	Description
Domain name	Name of the Informatica domain that you want to monitor.
Node host name	Host name of the gateway node.
Node port number	Gateway port number of the Informatica domain.
Domain user name	User name of the Informatica administrator.
Domain password	Password of the Informatica administrator.
Security domain name	Required if the Informatica domain uses LDAP or Kerberos authentication.
Location of the command line utilities	The path to the command line utilities.

14. To configure Proactive Monitoring reports, select **Enable Reporting**.
15. Enter the following domain information:

Property	Description
PowerCenter Repository Service	The name of the PowerCenter Repository Service.
PowerCenter Integration Service	The name of the PowerCenter Integration Service.
Connection name	The name of the connection that you want to create to the PowerCenter repository database. The installer creates a connection object before it imports reporting workflows into the repository.
Connect string	Required if you configured the command line utilities. The connection string to the PowerCenter repository database. You can use the following syntax in the connection string: <ul style="list-style-type: none"><li>- On Oracle, use the syntax <i>&lt;database name&gt;.world</i> (same as TNSNAMES entry). For example, <i>oracle.world</i>.</li><li>- On Microsoft SQL Server, use the syntax <i>&lt;server name&gt;@&lt;database name&gt;</i>. For example, <i>sqlserver@mydatabase</i>.</li></ul>
Location of the import control file	Required if you configured the command line utilities. The path to the pmrep control file.
Code page of the PowerCenter Repository Service	Required if you configured the command line utilities. The code page of the PowerCenter Repository Service. Default is utf-8.

16. Click **Next**.  
The **PowerCenter Repository Database** page appears.

17. Enter the following information about the PowerCenter repository database:

Property	Description
Database type	Database type for the PowerCenter repository database.
Database user name	User name of the PowerCenter repository database.
Database password	Password for the PowerCenter user.
Database host	Name of the machine that hosts the PowerCenter repository database.
Database port number	Port number of the PowerCenter repository database.
SID/Service name	The service name or database name. If the database is on Oracle, indicate whether to use the SID or service name in the JDBC connection string. For Oracle RAC databases, select from Oracle SID or Oracle service name. For other Oracle databases, select Oracle SID.
JDBC parameters	Optional parameters to include in the database connection string. Use the parameters to optimize database operations for the database. Verify that the parameter string is valid.
Custom JDBC connection string	Custom JDBC string for the DataDirect drivers. You can use the following syntax in the connection string: - Oracle. For example, jdbc:Informatica:oracle://<host_name>:<port_no>;ServiceName=<database name> - Microsoft SQL Server. For example, jdbc:Informatica:sqlserver://<host_name>:<port_no>;DatabaseName=<database name>

18. Click **Next**.

The **PowerCenter Read-Only User Details** page appears.

19. Enter the user name and password of the read-only user for the PowerCenter repository database.

20. Click **Next**.

The **RulePoint Topology** page appears.

21. Enter the topology host and port information:

Property	Description
Topology Host IP	IP address of the server where you install Proactive Monitoring for PowerCenter.
Tomcat Port	HTTP port number of the Tomcat server. The default port number is 8080.

22. Select **Enable HTTPS for Web Application** to enable secure connection for Proactive Monitoring for PowerCenter.

- Enter the port number. By default, the port number is 8443.
- Select either a keystore file generated by the installer, or use an existing keystore file.
- If you choose to use an existing keystore file, enter the keystore password and the name of the keystore file.

23. Click **Email Notification Configuration** to configure email notifications to receive alerts for process failures in Proactive Monitoring for PowerCenter.

The **Email Configurations** dialog box appears.

- a. Select **Email Notification**.
- b. Enter the following email notification information:

Property	Description
SMTP host	The fully qualified domain name of the SMTP server that you use to send alerts.
Port	The port number of the SMTP server.
From	Sender email address from which you send outbound emails.
To	Email recipient address to which you send notifications.
Priority	Email messages with the priority that you want to receive. Select from the following options: <ul style="list-style-type: none"><li>- Critical</li><li>- High</li><li>- Medium</li><li>- Low</li></ul> For example, select <b>Critical</b> to receive email messages that have the priority as critical. When the default node fails, you receive an email alert of critical priority with the message that the default node has failed.
Verbosity	Verbosity of the email notification. Select from the following options: <ul style="list-style-type: none"><li>- More</li><li>- Less</li></ul> For example, select <b>Less</b> to receive email messages with brief information of the alert.
User name	User account name of the SMTP server.
Password	User account password.

- c. Click **Save**.

24. Click **Next**.

The **Pre-Installation Summary** page appears.

25. Review the pre-installation summary, and click **Install**.

The **Service Registration** dialog box appears.

26. If you want to register services for RulePoint, click **Yes**. Otherwise, click **No**.

**Note:** If you do not register the services, you must manually start the Proactive Monitoring instance when the installation is complete.

The **Installation Complete** page appears.

27. Click **Done** to complete the installation procedure and exit the installer.



Review the following files in the installation directory for information about the installation process:

- PMPC\_Governance\_3.0HF1\_Install.log
- Readme.txt

## Installing the Governance Edition on an Operations Edition for Windows

You can install Governance Edition on an instance of Operations Edition in graphical mode on Windows. The installer verifies the installation directory and skips the screens that do not apply.

1. Go to the root directory, right-click the `Informatica_PMPC_Governance_3.0HF1.exe` file and select **Run as administrator**.

The **Introduction** page appears.

2. Select **Install Proactive Monitoring for PowerCenter Governance 3.0HF1**.
3. Click **Install**.

The **Prerequisites** page displays the installation requirements. Verify that all requirements are met before you continue the installation.

4. Click **Next**.

The **Installation Directory** page appears.

5. Enter the directory the location where you installed Proactive Monitoring for PowerCenter Operations.  
The default location of the installation directory is `C:\Proactive_Monitoring`

6. Click **Next**.

The **Pre-Installation Summary** page appears.

7. Review the pre-installation summary, and click **Install**.

The **Installation Complete** page appears.

8. Click **Done** to complete the installation procedure and then exit the installer.

Review the following files in the installation directory for information about the installation process:

- PMPC\_Governance\_3.0HF1\_Install.log
- Readme.txt

## CHAPTER 4

# Proactive Monitoring Governance Installation on UNIX

This chapter includes the following topics:

- [Installing the Governance Edition for UNIX, 34](#)
- [Installing the Governance Edition on an Operations Edition for UNIX, 38](#)

## Installing the Governance Edition for UNIX

You can install Proactive Monitoring for PowerCenter Governance in console mode on Linux.

1. Log in to the machine with a system user account.
2. Run the `Informatica_PMPC_Governance_3.0HF1.bin -i console` file from the directory where you downloaded the files.
3. Press **1** to install Proactive Monitoring for PowerCenter Governance.
4. Press **Enter**.  
The **Prerequisites** section displays the installation requirements.
5. Press **Enter**.  
The **Installation Directory** section appears.
6. Enter the location where you installed Proactive Monitoring for PowerCenter Operations.  
The default location of the installation directory is `/home/Proactive_Monitoring`
7. If you enter a different installation directory, enter **Y** to confirm the installation directory path.  
The **License File** section appears.
8. Enter the path and file name of the license file, and press **Enter**.  
The **Proactive Monitoring Repository Database** section appears.
9. Enter the database on which you configure Proactive Monitoring for PowerCenter.
  - Press **1** for Oracle.
  - Press **2** for Microsoft SQL Server.

10. Enter the following information about the Proactive Monitoring repository database:

Property	Description
Database user name	User name of the Proactive Monitoring database.
Database password	Password for the Proactive Monitoring user.
Database host	The name of the machine hosting the database.
Database port	The port number of the database.
SID/Service name	The service name or database name. If the database is on Oracle, indicate whether to use the SID or service name in the JDBC connection string. For Oracle RAC databases, select from Oracle SID or Oracle service name. For other Oracle databases, select Oracle SID.
JDBC parameters	Optional parameters to include in the database connection string. Use the parameters to optimize database operations for the database. Verify that the parameter string is valid.
Custom JDBC connection string	Custom JDBC connection string for the DataDirect drivers. You can use the following syntax in the connection string: - Oracle. For example, jdbc:Informatica:oracle:// <host_name>:<port_no>;ServiceName=<database name> - Microsoft SQL Server. For example, jdbc:Informatica:sqlserver:// <host_name>:<port_no>;DatabaseName=<database name>

11. Choose whether you to use custom JDBC connection string, and then press **Enter**.
- To enter the JDBC connection info using a custom JDBC connection string, press **Y**.
  - Otherwise, press **N**, and then enter the database connection information.
12. Press **Enter**.
- The **Proactive Monitoring Schemas** section appears.
- The installer creates the following default schemas for Proactive Monitoring for PowerCenter:
- RulePoint\_Design
  - RulePoint\_RTAM
  - RulePoint\_Topology
  - RulePoint\_TopologyState
  - RulePoint\_Activity
  - Proactive\_Monitoring
13. Press **Enter** to accept the default schema names or enter new schema names and then click **Enter**.
- The **Informatica Domain and Application Details** section appears.
14. Enter the domain name.
15. Specify an option to validate the domain information.
- To validate the domain, press **Y**.
  - If you do not want to validate the domain, press **N**.

16. Enter the following domain information:

Property	Description
Node host name	Host name of the gateway node.
Node port number	Gateway port number of the Informatica domain.
Domain user name	User name of the Informatica administrator.
Domain password	Password of the Informatica administrator.
Location of the command line utilities	The path to the command line utilities.
Security domain name	Required if the Informatica domain uses LDAP or Kerberos authentication.

17. Specify an option to enable reporting for Proactive Monitoring.
- To enable reporting, press **Y**.
  - If you do not want to enable reporting, press **N**.
18. Enter the following information to configure Proactive Monitoring reports.

Property	Description
PowerCenter Repository Service	The name of the PowerCenter Repository Service.
PowerCenter Integration Service	The name of the PowerCenter Integration Service.
Connection name	The name of the connection that you want to create to the Proactive Monitoring repository database. The installer creates a connection object before it imports reporting workflows into the PowerCenter repository.
Connect string	Required if you configured the command line utilities. The connection string to the PowerCenter repository database. You can use the following syntax in the connection string: <ul style="list-style-type: none"><li>- On Oracle, use the syntax <i>&lt;database name&gt;.world</i> (same as TNSNAMES entry). For example, <i>oracle.world</i>.</li><li>- On Microsoft SQL Server, use the syntax <i>&lt;server name&gt;@&lt;database name&gt;</i>. For example, <i>sqlserver@mydatabase</i>.</li></ul>
Location of the import control file	Required if you configured the command line utilities. The path to the pmrep control file.
Code page of the PowerCenter Repository Service	Required if you configured the command line utilities. The code page of the PowerCenter Repository Service. Default is utf-8.

19. Press **Enter**.
- The **PowerCenter Repository Database** section appears.

20. Select the database on which you configure PowerCenter repository database.

- Press 1 for Oracle.
- Press 2 for Microsoft SQL Server.

21. Enter the following information about the PowerCenter repository database:

Property	Description
Database user name	User name of the PowerCenter repository database.
Database Password	Password for the PowerCenter user.
Database host	Name of the machine that hosts the PowerCenter repository database.
Database port number	Port number of the PowerCenter repository database.
SID/Service name	The service name or database name. If the database is on Oracle, indicate whether to use the SID or service name in the JDBC connection string. For Oracle RAC databases, select from Oracle SID or Oracle service name. For other Oracle databases, select Oracle SID.
JDBC parameters	Optional parameters to include in the database connection string. Use the parameters to optimize database operations for the database. Verify that the parameter string is valid.
Custom JDBC connection string	Custom JDBC string for the DataDirect drivers. You can use the following syntax in the connection string: - Oracle. For example, jdbc:Informatica:oracle:// <host_name>:<port_no>;ServiceName=<database name> - Microsoft SQL Server. For example, jdbc:Informatica:sqlserver:// <host_name>:<port_no>;DatabaseName=<database name>

22. Choose whether you to use custom JDBC connection string, and then press **Enter**.

- To enter the JDBC connection info using a custom JDBC connection string, press **Y**.
- Otherwise, press **N**, and then enter the database connection information.

23. Press **Enter**.

The **PowerCenter Read-Only User Details** section appears.

24. Enter the user name and password of the read-only user for the PowerCenter repository database.

25. Press **Enter**.

The **RulePoint Topology** section appears.

26. Enter the following topology information:

Property	Description
Topology Host IP	IP address of the server where you install Proactive Monitoring for PowerCenter.
Tomcat Port	HTTP port number of the Tomcat server. The default port number is 8080.

- To enable HTTPS for RulePoint design, press **Y**.

b. Otherwise, press **N**.

Enter the following connection information, to enable HTTPS,:

Option	Description
Port number	Port number for the HTTPS connection. The default is 8443
Keystore file	Select the following option to use a keystore file generated by the installer or a keystore file you create: Press 1 to use a keystore generated by the installer. Press 2 to use an existing keystore

27. Enter the following email notifications information to receive alerts for process failures in Proactive Monitoring for PowerCenter:

- a. Enter **Y** to choose **Email Configuration**, and then press **Enter**.
- b. If you do not want to configure email notifications during installation, enter **N**.

28. Press **Enter**.

The **Pre-Installation Summary** section appears.

29. Review the pre-installation summary, and press **Enter** to continue.

The **Installation Complete** section appears.

30. Press **Enter** to complete the installation and exit the installer.

Review the following files in the installation directory for information about the installation process:

- `PMPC_Governance_3.0HF1_Install.log`
- `Readme.txt`

## Installing the Governance Edition on an Operations Edition for UNIX

You can install Governance Edition on an instance of Operations Edition in console mode on Linux. The installer verifies the installation directory and skips the screens that do not apply.

1. Log in to the machine with a system user account.
2. Run the `Informatica_PMPC_Governance_3.0HF1.bin -i console` from the directory where you downloaded the files.
3. Press **1** to install Proactive Monitoring for PowerCenter Governance.
4. Press **Enter**.  
The **Prerequisites** section displays the installation requirements. Verify that all requirements are met before you continue the installation.
5. Press **Enter**.  
The **Installation Directory** section appears.
6. Enter the location where you installed Proactive Monitoring for PowerCenter Operations.  
The default location of the Installation directory is `/home/Proactive_Monitoring`

7. If you entered a different installation directory, press **Y** to confirm the installation directory path.
8. Press **Enter**.

The **Pre-Installation Summary** section appears.

9. Review the pre-installation summary, and press **Enter** to continue.

The **Installation Complete** section appears.

10. Press **Enter** to complete the installation and exit the installer.

Review the following files in the installation directory for information about the installation process:

- PMPC\_Governance\_3.0HF1\_Install.log
- Readme.txt

## CHAPTER 5

# Proactive Monitoring Operations Installation on Windows

This chapter includes the following topics:

- [Installing the Operations Edition for Windows, 40](#)
- [Installing the Operations Edition on a Governance Edition for Windows, 45](#)

## Installing the Operations Edition for Windows

You can install Proactive Monitoring for PowerCenter Operations in graphical mode on Windows.

1. Go to the root directory, right-click the `Informatica_PMPC_Operations_3.0HF1.exe` file and select **Run as administrator**.  
The **Introduction** page appears.
2. Select **Proactive Monitoring for PowerCenter Operations 3.0 HotFix 1**.
3. Click **Install**.  
The **Prerequisites** page displays the installation requirements. Verify that all requirements are met before you continue the installation.
4. Click **Next**.  
The **Installation Directory** page appears.
5. Enter the directory where you want to install Proactive Monitoring for PowerCenter.  
The default location of the installation directory is `C:\Proactive_Monitoring`.
6. Click **Next**.  
The **License File** page appears.
7. Enter the path and file name of the license file, and click **Next**.  
The **Proactive Monitoring Repository Database** page appears.
8. Select the database for the Proactive Monitoring repository.
  - Oracle
  - Microsoft SQL Server



9. Enter the following information about the Proactive Monitoring repository database:

Property	Description
Database user name	User name of the Proactive Monitoring database.
Database password	Password for the Proactive Monitoring user.
Database host	The name of the machine hosting the database.
Database port	The port number of the database.
SID/Service name	The service name or database name. If the database is on Oracle, indicate whether to use the SID or service name in the JDBC connection string. For Oracle RAC databases, select from Oracle SID or Oracle service name. For other Oracle databases, select Oracle SID.
JDBC parameters	Optional parameters to include in the database connection string. Use the parameters to optimize database operations for the database. Verify that the parameter string is valid.
Custom JDBC connection string	Custom JDBC connection string for the DataDirect drivers. You can use the following syntax in the connection string: - Oracle. For example, jdbc:Informatica:oracle:// <host_name>:<port_no>;ServiceName=<database name> - Microsoft SQL Server. For example, jdbc:Informatica:sqlserver:// <host_name>:<port_no>;DatabaseName=<database name>

10. Click **Test Connection** to verify that you can connect to the database.  
If the connection to the database is successful, a success message appears.
11. Click **Next**.  
The **Proactive Monitoring Schemas** page appears.  
The installer creates the following default schemas for Proactive Monitoring for PowerCenter:
- RulePoint\_Design
  - RulePoint\_RTAM
  - RulePoint\_Topology
  - RulePoint\_TopologyState
  - RulePoint\_Activity
  - Proactive\_Monitoring
12. Click **Next** to accept the default schema names or enter new schema names and then click **Next**.  
The **Informatica Domain and Application Details** page appears.
13. Enter the domain information. To validate the domain information, select **Validate the domain information**.

The installer validates the domain information through the command line utilities.

Property	Description
Domain name	Name of the Informatica domain that you want to monitor.
Node host name	Host name of the gateway node.
Node port number	Gateway port number of the Informatica domain.
Domain user name	User name of the Informatica administrator.
Domain password	Password of the Informatica administrator.
Security domain name	Required if the Informatica domain uses LDAP or Kerberos authentication.
Location of the command line utilities	The path to the command line utilities.

14. To configure Proactive Monitoring reports, select **Enable Reporting**.
15. Enter the following domain information:

Property	Description
PowerCenter Repository Service	The name of the PowerCenter Repository Service.
PowerCenter Integration Service	The name of the PowerCenter Integration Service.
Connection name	The name of the connection that you want to create to the PowerCenter repository database. The installer creates a connection object before it imports reporting workflows into the repository.
Connect string	Required if you configured the command line utilities. The connection string to the PowerCenter repository database. You can use the following syntax in the connection string: <ul style="list-style-type: none"><li>- On Oracle, use the syntax <i>&lt;database name&gt;.world</i> (same as TNSNAMES entry). For example, <i>oracle.world</i>.</li><li>- On Microsoft SQL Server, use the syntax <i>&lt;server name&gt;@&lt;database name&gt;</i>. For example, <i>sqlserver@mydatabase</i>.</li></ul>
Location of the import control file	Required if you configured the command line utilities. The path to the pmrep control file.
Code page of the PowerCenter Repository Service	Required if you configured the command line utilities. The code page of the PowerCenter Repository Service. Default is utf-8.

16. Click **Next**.  
The **PowerCenter Repository Database** page appears.

17. Enter the following information about the PowerCenter repository database:

Property	Description
Database type	Database type for the PowerCenter repository database.
Database user name	User name of the PowerCenter repository database.
Database Password	Password for the PowerCenter user.
Database host	Name of the machine that hosts the PowerCenter repository database.
Database port number	Port number of the PowerCenter repository database.
SID/Service name	The service name or database name. If the database is on Oracle, indicate whether to use the SID or service name in the JDBC connection string. For Oracle RAC databases, select from Oracle SID or Oracle service name. For other Oracle databases, select Oracle SID.
JDBC parameters	Optional parameters to include in the database connection string. Use the parameters to optimize database operations for the database. Verify that the parameter string is valid.
Custom JDBC connection string	Custom JDBC string for the DataDirect drivers. You can use the following syntax in the connection string: - Oracle. For example, jdbc:Informatica:oracle://<host_name>:<port_no>;ServiceName=<database name> - Microsoft SQL Server. For example, jdbc:Informatica:sqlserver://<host_name>:<port_no>;DatabaseName=<database name>

18. Click **Next**.

The **PowerCenter Read-Only User Details** page appears.

19. Enter the user name and password of the read-only user for the PowerCenter repository database.

20. Click **Next**.

The **RulePoint Topology** page appears.

21. Enter the topology host and port information:

Property	Description
Topology Host IP	IP address of the server where you install Proactive Monitoring for PowerCenter.
Tomcat Port	HTTP port number of the Tomcat server. The default port number is 8080.

22. Select **Enable HTTPS for Web Application** to enable secure connection for Proactive Monitoring for PowerCenter.

- Enter the port number. By default, the port number is 8443.
- Select either a keystore file generated by the installer, or use an existing keystore file.
- Enter the keystore password and the name of the keystore file if you choose to use an existing keystore file.

23. Click **Email Notification Configuration** to configure email notifications to receive alerts for process failures in Proactive Monitoring for PowerCenter.

The **Email Configurations** dialog box appears.

- a. Select **Email Notification**.
- b. Enter the following email notification information:

Property	Description
SMTP host	The fully qualified domain name of the SMTP server that you use to send alerts.
Port	The port number of the SMTP server.
From	Sender email address from which you send outbound emails.
To	Email recipient address to which you send notifications.
Priority	Email messages with the priority that you want to receive. Select from the following options: <ul style="list-style-type: none"><li>- Critical</li><li>- High</li><li>- Medium</li><li>- Low</li></ul> For example, select <b>Critical</b> to receive email messages that have the priority as critical. When the default node fails, you receive an email alert of critical priority with the message that the default node has failed.
Verbosity	Verbosity of the email notification. Select from the following options: <ul style="list-style-type: none"><li>- More</li><li>- Less</li></ul> For example, select <b>Less</b> to receive email messages with brief information of the alert.
User name	User account name of the SMTP server.
Password	User account password.

- c. Click **Save**.

24. Click **Next**.

The **Pre-Installation Summary** page appears.

25. Review the pre-installation summary, and click **Install**.

The **Service Registration** dialog box appears.

26. If you want to register services for RulePoint, click **Yes**. Otherwise, click **No**.

**Note:** If you do not register the services, you must manually start the Proactive Monitoring instance when the installation is complete.

The **Installation Complete** page appears.

27. Click **Done** to complete the installation procedure and then exit the installer.

Review the following files in the installation directory for information about the installation process:

- PMPC\_Operations\_3.0HF1\_Install.log
- Readme.txt

## Installing the Operations Edition on a Governance Edition for Windows

You can install Operations Edition on an instance of Governance Edition in graphical mode on Windows. The installer verifies the installation directory and skips the screens that do not apply.

1. Go to the root directory, right-click the `Informatica_PMPC_Operations_3.0HF1.exe` file and select **Run as administrator**.

The **Introduction** page appears.

2. Select **Proactive Monitoring for PowerCenter Operations 3.0 HotFix 1**.

3. Click **Install**.

The **Prerequisites** page displays the installation requirements. Verify that all requirements are met before you continue the installation.

4. Click **Next**.

The **Installation Directory** page appears.

5. Enter the directory where you want to install Proactive Monitoring for PowerCenter.

The default location of the installation directory is `C:\Proactive_Monitoring`

6. Click **Next**.

The **Pre-Installation Summary** page appears.

7. Review the pre-installation summary, and click **Install**.

The **Installation Complete** page appears.

8. Click **Done** to complete the installation procedure and then exit the installer.

Review the following files in the installation directory for information about the installation process:

- PMPC\_Operations\_3.0HF1\_Install.log
- Readme.txt

## CHAPTER 6

# Proactive Monitoring Operations Installation on UNIX

This chapter includes the following topics:

- [Installing the Operations Edition for UNIX, 46](#)
- [Installing the Operations Edition on a Governance Edition for UNIX, 50](#)

## Installing the Operations Edition for UNIX

You can install Proactive Monitoring for PowerCenter Operations in console mode on Linux.

1. Log in to the machine with a system user account.
2. Run the `Informatica_PMPC_Operations_3.0HF1.bin -i console` file from the directory where you downloaded the files.
3. Press **1** to install Proactive Monitoring for PowerCenter Operations.
4. Press **Enter**.  
The **Prerequisites** section displays the installation requirements. Verify that all requirements are met before you continue the installation. .
5. Press **Enter**.  
The **Installation Directory** section appears.
6. Enter the location where you installed Proactive Monitoring for PowerCenter Operations.  
The default location of the installation directory is `/home/Proactive_Monitoring`
7. If you enter a different installation directory, enter **Y** to confirm the installation directory path.  
The **License File** section appears.
8. Enter the path and file name of the license file, and press **Enter**.  
The **Proactive Monitoring Repository Database** section appears.
9. Enter the database on which you configure Proactive Monitoring for PowerCenter.
  - Press **1** for Oracle.
  - Press **2** for Microsoft SQL Server.

10. Enter the following information about the Proactive Monitoring repository database:

Property	Description
Database user name	User name of the Proactive Monitoring database.
Database password	Password for the Proactive Monitoring user.
Database host	The name of the machine hosting the database.
Database port	The port number of the database.
SID/Service name	The service name or database name. If the database is on Oracle, indicate whether to use the SID or service name in the JDBC connection string. For Oracle RAC databases, select from Oracle SID or Oracle service name. For other Oracle databases, select Oracle SID.
JDBC parameters	Optional parameters to include in the database connection string. Use the parameters to optimize database operations for the database. Verify that the parameter string is valid.
Custom JDBC connection string	Custom JDBC connection string for the DataDirect drivers. You can use the following syntax in the connection string: - Oracle. For example, jdbc:Informatica:oracle:// <host_name>:<port_no>;ServiceName=<database name> - Microsoft SQL Server. For example, jdbc:Informatica:sqlserver:// <host_name>:<port_no>;DatabaseName=<database name>

11. Choose whether you to use custom JDBC connection string, and then press **Enter**.
- To enter the JDBC connection info using a custom JDBC connection string, press **Y**.
  - Otherwise, press **N**, and then enter the database connection information.
12. Press **Enter**.
- The **Proactive Monitoring Schemas** section appears.
- The installer creates the following default schemas for Proactive Monitoring for PowerCenter:
- RulePoint\_Design
  - RulePoint\_RTAM
  - RulePoint\_Topology
  - RulePoint\_TopologyState
  - RulePoint\_Activity
  - Proactive\_Monitoring
13. Press **Enter** to accept the default schema names or enter new schema names and then click **Enter**.
- The **Informatica Domain and Application Details** section appears.
14. Enter the domain name.
15. Specify an option to validate the domain information.
- To validate the domain, press **Y**.
  - If you do not want to validate the domain, press **N**.

16. Enter the following domain information:

Property	Description
Node host name	Host name of the gateway node.
Node port number	Gateway port number of the Informatica domain.
Domain user name	User name of the Informatica administrator.
Domain password	Password of the Informatica administrator.
Location of the command line utilities	The path to the command line utilities.
Security domain name	Required if the Informatica domain uses LDAP or Kerberos authentication.

17. Specify an option to enable reporting for Proactive Monitoring.
- To enable reporting, press **Y**.
  - If you do not want to enable reporting, press **N**.
18. Enter the following information to configure Proactive Monitoring reports.

Property	Description
PowerCenter Repository Service	The name of the PowerCenter Repository Service.
PowerCenter Integration Service	The name of the PowerCenter Integration Service.
Connection name	The name of the connection that you want to create to the Proactive Monitoring repository database. The installer creates a connection object before it imports reporting workflows into the PowerCenter repository.
Connect string	Required if you configured the command line utilities. The connection string to the Proactive Monitoring repository database. You can use the following syntax in the connection string: <ul style="list-style-type: none"><li>- On Oracle, use the syntax <i>&lt;database name&gt;.world</i> (same as TNSNAMES entry). For example, <i>oracle.world</i>.</li><li>- On Microsoft SQL Server, use the syntax <i>&lt;server name&gt;@&lt;database name&gt;</i>. For example, <i>sqlserver@mydatabase</i>.</li></ul>
Location of the import control file	Required if you configured the command line utilities. The path to the pmrep control file.
Code page of the PowerCenter Repository Service	Required if you configured the command line utilities. The code page of the PowerCenter Repository Service. Default is utf-8.

19. Press **Enter**.
- The **PowerCenter Repository Database** section appears.



20. Select the database on which you configure PowerCenter repository database.

- Press 1 for Oracle.
- Press 2 for Microsoft SQL Server.

21. Enter the following information about the PowerCenter repository database:

Property	Description
Database user name	User name of the PowerCenter repository database.
Database Password	Password for the PowerCenter user.
Database host	Name of the machine that hosts the PowerCenter repository database.
Database port number	Port number of the PowerCenter repository database.
SID/Service name	The service name or database name. If the database is on Oracle, indicate whether to use the SID or service name in the JDBC connection string. For Oracle RAC databases, select from Oracle SID or Oracle service name. For other Oracle databases, select Oracle SID.
JDBC parameters	Optional parameters to include in the database connection string. Use the parameters to optimize database operations for the database. Verify that the parameter string is valid.
Custom JDBC connection string	Custom JDBC string for the DataDirect drivers. You can use the following syntax in the connection string: - Oracle. For example, jdbc:Informatica:oracle:// <host_name>:<port_no>;ServiceName=<database name> - Microsoft SQL Server. For example, jdbc:Informatica:sqlserver:// <host_name>:<port_no>;DatabaseName=<database name>

22. Choose whether you to use custom JDBC connection string, and then press **Enter**.

- To enter the JDBC connection info using a custom JDBC connection string, press **Y**.
- Otherwise, press **N**, and then enter the database connection information.

23. Press **Enter**.

The **PowerCenter Read-Only User Details** section appears.

24. Enter the user name and password of the read-only user for the PowerCenter repository database.

25. Press **Enter**.

The **RulePoint Topology** section appears.

26. Enter the following topology information:

Property	Description
Topology Host IP	IP address of the server where you install Proactive Monitoring for PowerCenter.
Tomcat Port	HTTP port number of the Tomcat server. The default port number is 8080.

- To enable HTTPS for RulePoint design, press **Y**.

- b. Otherwise, press **N**.

Enter the following connection information, to enable HTTPS:

Option	Description
Port number	Port number for the HTTPS connection. The default is 8443.
Keystore file	Select the following option to use a keystore file generated by the installer or a keystore file you create: Press 1 to use a keystore generated by the installer. Press 2 to use an existing keystore.

27. Enter the following email notifications information to receive alerts for process failures in Proactive Monitoring for PowerCenter:
- a. Enter **Y** to choose **Email Configuration**, and then press **Enter**.
- b. If you do not want to configure email notifications during installation, enter **N**.
28. Press **Enter**.
- The **Pre-Installation Summary** section appears.
29. Review the pre-installation summary, and press **Enter** to continue.
- The **Installation Complete** section appears.
30. Press **Enter** to complete the installation and then exit the installer.

Review the following files in the installation directory for information about the installation process:

- `PMPC_Operations_3.0HF1_Install.log`
- `Readme.txt`

## Installing the Operations Edition on a Governance Edition for UNIX

You can install Operations Edition on an instance of Governance Edition in console mode on Linux.

1. Log in to the machine with a system user account.
2. Run the `Informatica_PMPC_Operations_3.0HF1.bin -i console` file from the directory where you downloaded the files.
3. Press **1** to install Proactive Monitoring for PowerCenter Governance.
4. Press **Enter**.
- The **Prerequisites** section displays the installation requirements. Verify that all requirements are met before you continue the installation. .
5. Press **Enter**.
- The **Installation Directory** section appears.
6. Enter the location where you installed Proactive Monitoring for PowerCenter Operations. The default location of the Installation directory is `/home/dev/Proactive_Monitoring`
7. If you entered a different installation directory, enter **Y** to confirm the installation directory path.

8. Press **Enter**.

The **Pre-Installation Summary** section appears.

9. Review the pre-installation summary, and press **Enter** to continue.

The **-Installation Complete** section appears.

10. Review the `PMPC_Operations_3.0HF1_Install.log` file for errors in the installation directory.

11. Press **Enter** to complete the installation and exit the installer.

Review the following files in the installation directory for information about the installation process:

- `PMPC_Operations_3.0HF1_Install.log`
- `Readme.txt`

# Part III: Post-Installation

This part contains the following chapter:

- [Post-Installation, 53](#)

## CHAPTER 7

# Post-Installation

This chapter includes the following topics:

- [Post-Installation Overview, 53](#)
- [Configure Repository Database Permissions, 54](#)
- [Verify the Installation, 54](#)
- [Configure the Email Connection, 55](#)
- [Configure LDAP, 56](#)
- [Enable Dashboard Alerts, 57](#)
- [Import the Keystore File, 57](#)
- [Configure the Node Agent, 58](#)
- [Read the Release Guide, 58](#)
- [Read the Configuration Guide, 58](#)

## Post-Installation Overview

After you install the Proactive Monitoring for PowerCenter, you must perform some post-installation tasks. The post-installation tasks include verifying the installation, enabling dashboard alerts, and configuring repository database permissions.

To perform some of the post-installation tasks, you must log in to the client tools. For information about logging in to the client tools, see [Appendix B, “Logging In to Client Tools” on page 70](#).

# Configure Repository Database Permissions

After you install Proactive Monitoring, you need to configure permissions on the Proactive Monitoring repository database.

## Grant Permissions on Microsoft SQL Server

In the Proactive Monitoring repository database, grant execute permissions to the PowerCenter read-only user on user defined functions TO\_DATE\_MMDDYYYYHHMI and TO\_DATE\_MMDDYYYYHHMISS.

Log in to Microsoft SQL Server Management Studio as the database administrator and run the following commands:

```
GRANT EXECUTE ON db_datareader.TO_DATE_MMDDYYYYHHMI TO <PowerCenter read only user name>
GRANT EXECUTE ON db_datareader.TO_DATE_MMDDYYYYHHMISS TO <PowerCenter read only user name>
```

## Revoke User Permissions on Oracle

For security reasons, you might want to revoke create table permissions on the Proactive Monitoring repository database.

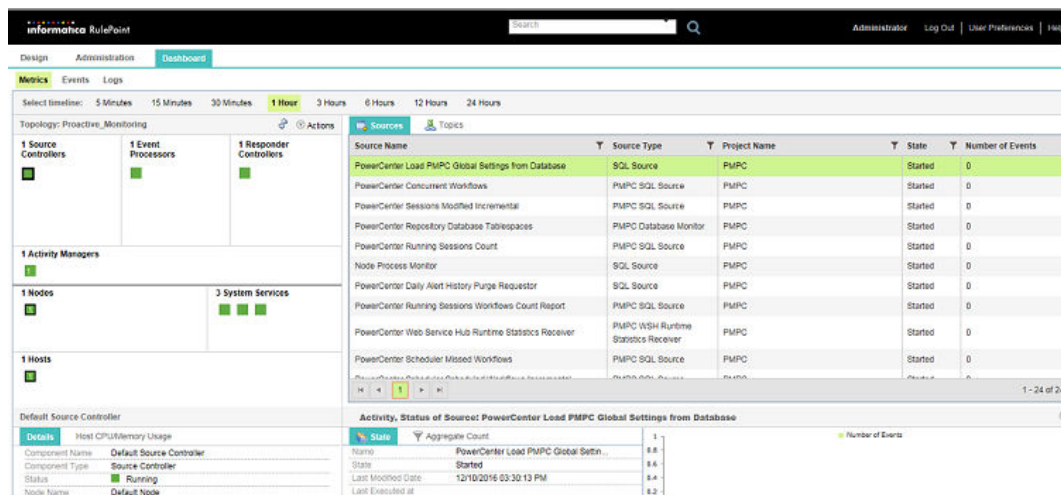
To revoke the create table permissions for users on Oracle, run the following commands:

```
REVOKE CREATE TABLE FROM RULEPOINT_DESIGN
REVOKE CREATE TABLE FROM RULEPOINT_TOPOLOGY
REVOKE CREATE TABLE FROM RULEPOINT_ACTIVITY
REVOKE CREATE TABLE FROM RULEPOINT_TOPOLOGYSTATE
REVOKE CREATE TABLE FROM RULEPOINT_RTAM
REVOKE CREATE TABLE FROM PROACTIVE_MONITORING
```

# Verify the Installation

After you install Proactive Monitoring you can verify the installation. Log in to the RulePoint Console and verify that the services are running.

1. Open a web browser.
2. In the **Address** field, enter the RulePoint URL *https://<host name>:<port number>/rulepoint*. The port number is the port of the tomcat server. Default is 8080. The **RulePoint** login page appears.
3. Enter the user name and password. You can use the default username and password, Administrator/Administrator1.
4. Click **Login**. The RulePoint Console opens.
5. Click the **Dashboard** on the navigator pane.
6. Verify that the services are running. The status of the source controllers, event processors, and the responder controllers displays a green icon for successful running of services.



## Configure the Email Connection

In RulePoint, you can configure the email connection to receive alerts through emails.

1. Log in to the RulePoint Console.
2. On the **Design** tab, click the **PMPC** project in the Navigator.
3. In the **Connections** view, select **email\_connection** from the list in the contents panel.
4. From the **Actions** menu, select **Edit**.
5. Enter the following email configuration information:

Properties	Description
Email server	Host name of the email server.
Port	Port number to connect to the SMTP server.
User name	Optional: Required when SMTP user authentication is configured.
Password	Optional: Required when SMTP user authentication is configured.
Retry count	Number of retry attempts. Default is 2.
Retry delay	Waiting time between the connection attempts in milliseconds. Default is 10000.

6. To test that the connection details are correct, click **Test Connection**.
7. Click **Save**.

# Configure LDAP

You can configure LDAP users to receive Proactive Monitoring alerts. Configure the LDAP server information and create the default LDAP users in RulePoint.

## Create Users

You can create users in RulePoint. The roles, permissions, and privileges that you assign to a user determine the tasks that the user can perform within RulePoint. When you create a user, you need to specify the authentication provider as local.

1. Log in to the RulePoint Console.
2. On the Administration tab, click **User Management > Users** view.
3. From the **Action** menu, select **New User** in the navigator or in the contents pane.
4. Under **Details**, select **Type** as **Local**, and enter the first name, last name, user name, and password for the user.
5. Click **Next**.
6. Click **Select** to select the each role for the user or click **Select All** to select all the roles.
7. Click **Save**.

## Create Roles

You can create roles for users in RulePoint. You can associate one or more roles with a user. You must map privileges to the roles based on the type of operation you want the user to perform.

1. Log in to the RulePoint Console.
2. On the Administration tab, click **User Management > Roles** view.
3. Select **New Role** from the **Actions** menu in the contents pane.
4. Under **Name**, type a name for the role.
5. Under **Description**, type a description for the role.
6. Click **Next**.
7. Under **Role**, select the privileges you want to associate to the role, or click **Select All** to select all the privileges.
8. Click **Save**.

**Note:** The role that you assign to the users must have the ROLE\_USER and ROLE\_ADMIN privileges to log in to the Proactive Monitoring Management Console.

## Add Users to Real-Time Alert Manager

To enable Proactive Monitoring for PowerCenter alerts to the LDAP users, configure the Alert Recipients information and add the users to the appropriate personas.

1. Log in to the Proactive Monitoring Management Console.
2. Click the **Settings** tab.
3. Select **Alert Recipients** in the Navigator, select the domain, and then select **Edit** from the **Actions** menu.



The **Alert Recipients Configuration** dialog box appears.

4. In the **RTAM List** field, replace the RTAM user with the LDAP users that you created in RulePoint for each of the five users.
5. Click **Save**.

## Enable Dashboard Alerts

To enable alert Real-Time Alert Manager to receive alerts on the dashboard, you must log in to Real-Time Alert Manager as native user or as LDAP user.

If you use LDAP authentication, log in as the LDAP users that you created in RulePoint.

If you use native authentication, log in as each user created during installation.

The following table lists the user names and passwords that you need to log in with:

User name	Password
pcmonitor	pcmonitor123
pcadmin	pcadmin123
apparchitect	apparchitect123
dataarchitect	dataarchitect123
itsecurity	itsecurity123

## Import the Keystore File

If the PowerCenter Repository Service and the Web Services Hub use the same keystore file, you must import the keystore file using the keytool.

1. To export the keystore file, run the following command from the `<INFA_HOME>/java/jre/bin` directory:  

```
keytool -export -alias <alias_name> -file wsh.cert -keystore <service_keystore>
```
2. Copy the `wsh.cert` file to the machine where you installed Proactive Monitoring for PowerCenter.
3. To import the keystore file, run the following command from the `<Proactive monitoring installation directory>/rulepoint/system/java/bin` directory:  

```
keytool -importcert -file wsh.cert -keystore <Proactive monitoring installation directory>/rulepoint/system/java/lib/security/cacerts -alias <aliasname>
```

# Configure the Node Agent

You can configure the node agent for operations. You can specify the frequency for data collection, number of processes to collect data on, and the processes to monitor for lifecycle changes.

The node agent periodically gathers CPU, memory, and process lifecycle details from the host machine and then stores the information in the Proactive Monitoring repository. The Proactive Monitoring solution uses the resource consumption information in rule processing and to add additional information to the alerts.

The installer creates the `nodeagent.zip` file in the Proactive Monitoring installation directory.

To configure the node agent, perform the following steps:

1. Copy the `nodeagent.zip` file to each node that you want to monitor.
2. Extract the `nodeagent.zip` file.
3. Run the script from the command line to start the node agent.

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
```

## Read the Release Guide

The *Proactive Monitoring for PowerCenter Release Guide* lists new features and enhancements, behavior changes between versions, and tasks that you might need to perform after you install Proactive Monitoring for PowerCenter. Read the *Proactive Monitoring for PowerCenter Release Guide* to view the list of new functionality and changes.

## Read the Configuration Guide

After you install Proactive Monitoring you need complete configuration tasks such as configuring the services, alerts, and reports.

Refer to a configuration guide for information about completing the configuration through the Proactive Monitoring Management Console. Based on the edition of Proactive Monitoring you installed, refer to one of the following guides:

- *Proactive Monitoring for PowerCenter Operations Configuration Guide*
- *Proactive Monitoring for PowerCenter Governance Configuration Guide*

# Part IV: Apply the HotFix

This part contains the following chapter:

- [Apply the Hotfix , 60](#)

## CHAPTER 8

# Apply the Hotfix

This chapter includes the following topics:

- [HotFix Overview, 60](#)
- [Before You Apply the Hotfix, 60](#)
- [Apply the HotFix on Windows, 63](#)
- [Apply the HotFix on UNIX, 63](#)
- [After You Apply the HotFix, 64](#)

## HotFix Overview

You can apply the hotfix to Proactive Monitoring for PowerCenter version 3.0. The hotfix has separate installers for the Governance and Operations editions. If you installed both editions in the same directory, you only need to apply the hotfix once. The hotfix process includes pre- and post-install tasks.

When you apply the hotfix, the installer performs the following tasks:

- Verifies the installation directory.
- Backs up existing directories, installs the new version of the product, and restores or updates required configuration files.
- Skips the screens that do not apply for the hotfix process.

## Before You Apply the Hotfix

Before you apply the hotfix, complete the following pre-installation tasks.

- Read the Release Notes for important information about the install and about fixed and known limitations.
- Verify the minimum system requirements for the hotfix process.
- Shut down the Proactive Monitoring instance.
- Close all command prompts on Windows.
- Back up the version 3.0 installation folder.

## Read the Release Notes

Read the *Proactive Monitoring for PowerCenter Release Notes* for updates to the installation and the hotfix process. You can also find information about known and fixed limitations for the release.

## Verify Minimum System Requirements

Verify that your environment meets minimum system requirements for the installation process, temporary disk space, port availability, databases, and hardware.

Domain	Requirement
Operating System	<ul style="list-style-type: none"><li>- Windows</li><li>- Linux</li></ul> <b>Note:</b> Windows authentication is not supported for version 3.0 HotFix 1.
Database Server	<ul style="list-style-type: none"><li>- Oracle</li><li>- Microsoft SQL Server</li></ul>
Hardware	<ul style="list-style-type: none"><li>- 64-bit Intel or AMD compatible</li><li>- 16 GB RAM</li><li>- 1 Gbps Network Interface Card</li><li>- 40 GB disk space</li></ul>
PowerCenter	<ul style="list-style-type: none"><li>- Upgrade PowerCenter to version 8.6.1 HotFix 13 through 10.1.</li></ul>
Web browser	<ul style="list-style-type: none"><li>- Internet Explorer</li><li>- Chrome</li></ul>

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>

## 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>

## Stop the Proactive Monitoring Instance

You must run a script to stop the Proactive Monitoring before you apply the hotfix.

You can find the script in the following location: `<installation directory>/bin`

On Windows, run the following script from the command line to stop the Proactive Monitoring instance:

```
solutions.bat stop
```

**Important:** Ensure that you close all command line prompts on Windows before you apply the hotfix.

On UNIX, run the following script from the command line to stop the Proactive Monitoring instance:

```
solutions.sh stop
```

## Download and Extract the Installer

The installer files are compressed and distributed as a ZIP file for Windows and a TAR file for UNIX. You need to download installer for Proactive Monitoring for PowerCenter (Proactive Monitoring).

**Note:** Make sure that you download the file to a local directory or a shared network drive that is mapped on your machine. You can then extract the installer files. However, you cannot run the installer from a mapped file. Copy the extracted files to a local drive and then run the installer.

### Step 1. Download the installer

You can extract the installer files using HTTP download. Download the compressed file from the Informatica Electronic Software Download (ESD) site to a directory on your machine and then extract the installer files.

When you download the installation files from the Informatica Electronic Software Download (ESD) site, the license key is in an email message from Informatica. Copy the license key file to a directory accessible to the user account that installs the product.

Contact Informatica Global Customer Support if you do not have a license key or if you have an incremental license key and you want to create a domain.

### Step 2. Extract the installer

On Windows, use a ZIP utility to extract the installer files to a directory on your machine. Verify the ZIP utility version is compatible with the Windows operating system version. When you unzip the file, verify that the ZIP utility also extracts empty folders.

On UNIX, use a native TAR or GNU TAR utility to extract the installer files to a directory on your machine. The user that runs the installer must have read and write permissions on the installer files directory and execute permissions on `install.sh`.

# Apply the HotFix on Windows

You can apply the hotfix for Proactive Monitoring in graphical mode on Windows. The hotfix has separate installers for the Governance and Operations editions. If you installed both editions in the same directory, you only need to apply the hotfix once.

Before you apply the hotfix, verify that you back up the version 3.0 installation folder.

1. Go to the directory where you downloaded the installer files, right-click the `Informatica_PMPC_<Edition>_3.0HF1.exe` file and select **Run as administrator**.  
The **Introduction** page appears.
2. Select **Apply Hotfix for Proactive Monitoring for PowerCenter 3.0**.
3. Click **Next**.  
The **Installation Directory** page appears.
4. Specify the location of the installation directory where you installed the Proactive Monitoring for PowerCenter version 3.0.  
The default location of the installation directory is `C:\Proactive_Monitoring`.
5. Click **Next**.  
The **Pre-Installation Summary** page appears.
6. Review the pre-installation summary, and click **Install**.  
The **Install Complete** page appears.
7. Click **Done** to complete the installation procedure and then exit the installer.

Review the `PMPC_<Edition>_3.0HF1_Hotfix.log` file in installation directory for information about apply the hotfix process.

# Apply the HotFix on UNIX

You can apply the hotfix for Proactive Monitoring in console mode on UNIX. The hotfix has separate installers for the Governance and Operations editions. If you installed both editions in the same directory, you only need to apply the hotfix once.

Before you apply the hotfix, verify that you back up the version 3.0 installation folder.

1. Log in to the machine with a system user account.
2. Run the `Informatica_PMPC_<Edition>_3.0HF1.bin` file from the directory where you downloaded the files.
3. Press **2** to apply the hotfix for Proactive Monitoring for PowerCenter 3.0.
4. Press **Enter**.  
The **Installation Directory** section appears.
5. Type the location of the installation directory where you installed Proactive Monitoring for PowerCenter 3.0. The default location of the installation directory is `/home/Proactive_Monitoring`.
6. Press **Enter**.  
The **Pre-Installation Summary** section appears.
7. Review the pre-installation summary, and press **Enter** to continue.

The **Installation Complete** section appears.

8. Press **Enter** to complete the installation and then exit the installer.

Review the `PMPC_<Edition>_3.0HF1_Hotfix.log` file in installation directory for information about apply the hotfix process.

## After You Apply the HotFix

After you apply the hotfix, complete the following tasks.

- Edit the `solution.properties` file.
- Start the Proactive Monitoring instance.
- Import and redeploy objects in the RulePoint Console.
- Read the *Release Guide* to view the list of new features, enhancements, behavior changes, and tasks you need to perform after you apply hotfix.

## Start the Proactive Monitoring Instance

You must start the Proactive Monitoring instance after you apply the hotfix.

On Windows, run the following script from the command line to start the Proactive Monitoring instance:

```
solutions.bat start
```

On UNIX, run the following script from the command line to start the Proactive Monitoring instance:

```
solutions.sh start
```

You can find the script in the following directory: `<Proactive Monitoring installation directory>/Proactive_Monitoring/bin`

## Import the RulePoint Objects

Version 3.0 HotFix 1 includes fixes to multiple RulePoint objects. After you apply the hotfix, you need to import the `common.xml` file that contains updates to the objects.

To import the updated RulePoint objects, perform the following tasks:

1. Edit the `common.xml` file.
2. Import the `common.xml` file.
3. Redeploy the objects in the RulePoint Console.



The following table lists the objects that are updated in version 3.0 HotFix 1:

Object Type	Name
Analytic	<p>The following analytic objects are updated:</p> <ul style="list-style-type: none"> <li>- get_completed_sessions_last_day_csv</li> <li>- get_completed_workflows_last_day_csv</li> <li>- get_no_completed_sessions_last_day</li> <li>- get_no_completed_workflows_last_day</li> <li>- pc_get_workflow_runtype</li> </ul>
Response	<p>The following response objects are updated:</p> <ul style="list-style-type: none"> <li>- PowerCenter completed sessions recorder response</li> <li>- PowerCenter completed workflows recorder response</li> </ul>
Rule	<p>The following rule objects are updated:</p> <ul style="list-style-type: none"> <li>- PC_010 Integration service health check</li> <li>- PC_011 Repository service health check</li> <li>- PC_012 Domain service health check</li> <li>- PC_019 All Integration services health check</li> <li>- PC_020 All Repository services health check</li> <li>- PC_OS14 Daily report of completed sessions</li> <li>- PC_OW12 Daily report of completed workflows</li> <li>- PC_OW16 Check for workflows becoming unscheduled</li> </ul>
Source	<p>The following source objects are updated:</p> <ul style="list-style-type: none"> <li>- Node Agent Monitor</li> <li>- Node TopNStats Table Purge</li> </ul>

## Step 1. Edit the common.xml file.

The installation directory contains an .xml import file with the parameters required to import the updated objects. You need to update the file to specify the names of the domain and the Proactive Monitoring schema.

Find the .xml file associated with the database type of the Proactive Monitoring repository. The common.xml file is in the following location: <Proactive Monitoring installation directory>\Solutions\PMPC  
<Edition>\_3.0\solution\_xmls\<edition>\<database type>\

The following table describes the parameters that you need to update in the .xml import file.

Parameter to Replace	Value
##PC_REPO_DOMAIN_NAME##	The name of the Informatica domain.
##PM_SCHEMA##	The name of the Proactive Monitoring schema. The default schema name is "Proactive_Monitoring."

The following example shows a sample import file:

```
<config>

<serviceClassName>com.informatica.cep.sdk.service.api.builtin.sources.SqlSource</
serviceClassName>
  <propertyDefinitions>
    <propertyDefinition>
      <propName>parameters</propName>
      <propValue>
        <rpie:null/>
      </propValue>
    </propertyDefinition>
  </propertyDefinitions>
</config>
```

```

        </propertyDefinition>
        <propertyDefinition>
            <propName>fetchSize</propName>
            <propValue>10</propValue>
        </propertyDefinition>
        <propertyDefinition>
            <propName>bufferResult</propName>
            <propValue>no</propValue>
        </propertyDefinition>
        <propertyDefinition>
            <propName>updateSql</propName>
            <propValue/>
        </propertyDefinition>
        <propertyDefinition>
            <propName>transactionSize</propName>
            <propValue>1</propValue>
        </propertyDefinition>
        <propertyDefinition>
            <propName>propertyMetadataMap</propName>
            <propValue>domain=##PC_REPO_DOMAIN_NAME##, rs=unknown,
workflow_name=unknown, folder=unknown</propValue>
        </propertyDefinition>
        <propertyDefinition>
            <propName>markerId</propName>
            <propValue/>
        </propertyDefinition>
        <propertyDefinition>
            <propName>sql</propName>
            <propValue>select host_name,repo_tstamp, current_upd_tstamp from
( select host_name,repo_tstamp, current_upd_tstamp, extract (minute from diff) s1 from
(select host_name, repo_tstamp, current_upd_tstamp, ( sysdate - to_timestamp
(repo_tstamp, &apos;yyyy/MM/dd HH24:MI:SS&apos;) )diff from
##PM_SCHEMA##.na_heartbeat) ) T where T.s1 > 2 AND UPPER(host_name) in (select
UPPER(host_name) from ##PM_SCHEMA##.NA_HOST_CONFIG)</propValue>
        </propertyDefinition>
    </propertyDefinitions>
</config>

```

## Step 2. Import the common.xml file.

You must import the updated .xml file from the RulePoint Console.

1. Log in to the RulePoint Console.
2. On the **Administration** tab, click **Import** view.
3. Select **PMPC** project.
4. From the **Actions** menu, select **Upload File**.  
The **Upload File** dialog box appears.
5. Click **Choose File**, and select the common.xml file from the location: <Proactive monitoring installation directory>\Solutions\PMPC\<Edition>\_3.0\solution\_xm1s\<edition>\<database type>\
6. Click **Upload**.
7. Navigate to the **Available Files** view in the **Contents** panel, and select the uploaded .xml file.
8. From the **Actions** menu, select **Start Import**.  
The **Import** dialog box appears.
9. Select **Update** collision option to overwrite the properties of objects in a project with the properties of the imported objects.
10. Click **Import**.  
An import successful message appears.

### Step 3. Redeploy the objects.

After you import the objects, you need filter them in the RulePoint Console and redeploy them.

1. Log in to the RulePoint Console.
2. On the **Design** tab, click **All Objects**, and select **PMPC** project.
3. Filter the state column with the keyword `NEEDS_DEPLOYMENT`, and then click the filter icon.
  - a. From the **Actions** menu, select **Redeploy** to redeploy the source, responder, rule, and response objects.
  - b. From the **Actions** menu, select **Update Run Time** to redeploy the analytic objects.
4. Click **OK**.

A redeploy successful message appears.

## Read the Release Guide

The *Proactive Monitoring for PowerCenter Release Guide* lists new features and enhancements, behavior changes between versions, and tasks that you might need to perform after you install Proactive Monitoring for PowerCenter. Read the *Proactive Monitoring for PowerCenter Release Guide* to view the list of new functionality and changes.

## APPENDIX A

# Starting and Stopping Proactive Monitoring Components

This appendix includes the following topics:

- [Starting and Stopping the Proactive Monitoring Instance, 68](#)
- [Starting and Stopping the Node Agent \(Operations only\), 68](#)

## Starting and Stopping the Proactive Monitoring Instance

The installer starts the services that run the Proactive Monitoring instance. You can run scripts to stop and start the Proactive Monitoring instance. You can find the scripts in the following directory: <Proactive Monitoring installation directory>/Proactive\_Monitoring/bin.

Run the following scripts from the command line to start and stop Proactive Monitoring on Windows:

```
solutions.bat start  
solutions.bat stop
```

Run the following scripts from the command line to start and stop Proactive Monitoring on UNIX:

```
solutions.sh start  
solutions.sh stop
```

## Starting and Stopping the Node Agent (Operations only)

After you register the node agent on each node that you want to monitor, you can start and stop the node agent.

On Windows, you can start and stop the node agent from the Windows services list or from the command line. Run the following scripts from the command line to start and stop the node agent:

```
nodeagent.bat start
```

```
nodeagent.bat stop
```

On UNIX, run the following scripts from the command line to start and stop the node agent:

```
nodeagent.sh start
```

```
nodeagent.sh stop
```

## APPENDIX B

# Logging In to Client Tools

This appendix includes the following topics:

- [Logging In to the RulePoint Console, 70](#)
- [Logging In to the Proactive Monitoring Management Console, 70](#)
- [Logging In to the Real-Time Alert Manager Console, 71](#)
- [Logging In to the PowerCenter Client, 71](#)

## Logging In to the RulePoint Console

Use the Rulepoint URL to log in to the Rulepoint console. When you log in to the Rulepoint Console, you must specify the username and password.

1. Open a web browser.
2. In the **Address** field, enter the URL for the RulePoint console according to the security within the environment.
  - If you enabled secure connections during installation, enter the following URL:  
`https://<host name>:<port number>/rulepoint`
  - If you did not enable secure connections during installation, enter the following URL:  
`http://<host name>:<port number>/rulepoint`

The port number is the port of the tomcat server. Default is 8080.

The **RulePoint** login page appears.

3. Enter the user name and password.
4. Click **Log In**.

## Logging In to the Proactive Monitoring Management Console

Use the Proactive Monitoring for PowerCenter URL to log in to the Management Console. When you log in to the Proactive Monitoring Console, you must specify the user name and password.

1. Open a web browser.

2. In the **Address** field, enter the URL for the Proactive Monitoring Console according to the security within the environment.
  - If you enabled secure connections during installation, enter the following URL:  
`https://<host name>:<port number>/pmpc`
  - If you did not enable secure connections during installation, enter the following URL:  
`http://<host name>:<port number>/pmpc`

The port number is the port of the tomcat server. Default is 8080.

The **Informatica Proactive Monitoring** login page appears.
3. Enter the user name and password.
4. Click **Log In**.

## Logging In to the Real-Time Alert Manager Console

Use the Real-Time Alert Manager URL to log in to the Real-Time Alert Manager Console. When you log in to the Real-Time Alert Manager, you must specify the user name and password.

1. Open a web browser.
2. In the **Address** field, enter the URL for Real-Time Alert Manager according to the security within the environment.
  - If you enabled secure connections during installation, enter the following URL:  
`https://<host name>:<port number>/RTAM`
  - If you did not enable secure connections during installation, enter the following URL:  
`http://<host name>:<port number>/RTAM`

The port number is the port of the tomcat server. Default is 8080.

The **Real-Time Alert Manager** login page appears.
3. Enter your user name and password. If you are unsure what your login is, check with the RulePoint administrator.
4. Click **Log In**.

## Logging In to the PowerCenter Client

When you log in to the PowerCenter Client, you connect to a PowerCenter repository.

1. From the Windows Start menu, click **Programs > Informatica [version] > Client > [client tool name]**.
2. Select the repository in the Navigator and click **Repository > Connect**.  
The **Connect to Repository** dialog box appears.
3. Enter the user name and password.
4. Select Native or the name of a specific security domain.

The Security Domain field appears when the PowerCenter domain contains an LDAP security domain. If you do not know the security domain that your user account belongs to, contact the PowerCenter domain administrator.

5. To connect to a repository that you have connected to before, go to step 12.  
To select an existing domain connection for the repository, go to step 10.  
To enter the domain connection information for the repository, complete steps 6 through 9.
6. If the **Connect to Repository** dialog box is not expanded, click **More** to view the connection settings.
7. Click **Add**.  
The **Add Domain** dialog box appears.
8. Enter the domain name, gateway host name, and gateway port number.  
**Note:** Use the gateway HTTP port number to connect to the domain from the PowerCenter Client. You cannot connect to the domain using the HTTPS port number.
9. Click OK.
10. If the connection settings of the **Connect to Repository** dialog box are hidden, click **More** to view the connection settings.
11. In the connection settings, select the appropriate domain connection from the list.
12. Click **Connect**.



## APPENDIX C

# Configure Reporting

This appendix includes the following topics:

- [Prepare the Reports Workflow, 73](#)
- [Step 1. Create Connection Object, 73](#)
- [Step 2. Create a Folder in the Repository, 74](#)
- [Step 3. Edit the Import File, 74](#)
- [Step 4. Import the File, 74](#)
- [Step 5. Schedule the Reporting Workflow, 75](#)

## Prepare the Reports Workflow

When you installed Proactive Monitoring for PowerCenter, the installer created a workflow that transforms operations alert data and populates the reports. If you did not enable reporting during the installation, you must prepare the .xml import file and import it into the PowerCenter repository.

Perform the following tasks to prepare the reports workflow:

1. Create connection objects in the Workflow Manager to the Proactive Monitoring repository database and the PowerCenter repository database.
2. Create a folder in the PowerCenter repository to store the workflow objects.
3. Edit the import .xml file.
4. Import the file.
5. Schedule the workflow.

## Step 1. Create Connection Object

The workflow needs to connect to the Proactive Monitoring repository database to write results to the database.

Log in to the PowerCenter Workflow Manager and create a connection object. The connection name must be the same as the one that you specified on the **Reporting Configuration** page during installation. If you do not enter the reporting configuration information during installation, specify a new name.

For information about creating connections, see the *PowerCenter Workflow Administration Guide*.

## Step 2. Create a Folder in the Repository

Create a folder in the PowerCenter repository to store proactive monitoring objects.

Log in to the PowerCenter Repository Manager and create a folder to import the .xml file. Use a folder name such as "pmpc\_workflow."

For information about object import, see the *PowerCenter Repository Guide*.

## Step 3. Edit the Import File

The installer installs the reporting workflow .xml file that you need to edit and import into the PowerCenter repository.

1. Find the file named ETL\_ALL\_PMPc\_v30HF1.xml on the machine where you installed Proactive Monitoring for PowerCenter.  
You can find the file in the following location: `<Proactive Monitoring installation directory>/Solutions/PMPC/reporting/etl/<database type>/`
2. Update the .xml file to replace the following placeholder values with values specific to your environment:
  - REPORTING\_DOMAIN. Replace with the name of the Informatica domain.
  - REPORTING\_IS\_NAME. Replace with the name of the PowerCenter Integration Service to run these workflows.
  - REPORTING\_CONNECTION\_NAME. Replace with the connection name for the Proactive Monitoring repository database.
  - PM\_SCHEMA. Replace with the Proactive Monitoring schema name. Default name is "Proactive\_Monitoring."
3. Copy the file to the PowerCenter Client machine.

After you edit the file, you can import it into the PowerCenter repository.

## Step 4. Import the File

After you edit the workflow .xml file, you must import it into the PowerCenter repository.

Log in to the PowerCenter Repository Manager, and import the ETL\_ALL\_PMPc\_v30HF1.xml file into the folder that you created.

The Repository Manager imports a workflow named wf\_pmpc\_reports along with the associated mapping and session objects.

For information about object import, see the *PowerCenter Repository Guide*.

## Step 5. Schedule the Reporting Workflow

After you import the .xml file, you can schedule the workflow that populates the proactive monitoring reports.

By default, the wf\_pmpc\_reports workflow is scheduled to run every four hours. You can reschedule it based on your requirements. You might want to schedule the workflow during times of low activity for the application services.

You can also run the workflow on demand to populate the reports initially.

For information about scheduling and running the workflow, see the *PowerCenter Workflow Guide*.

## APPENDIX D

# Installation and Configuration Checklist

This appendix includes the following topics:

- [Installation and Configuration Checklist Overview, 76](#)
- [Before You Install, 76](#)
- [Proactive Monitoring for PowerCenter Installation, 77](#)
- [After You Install Checklist, 77](#)

## Installation and Configuration Checklist Overview

The installation and configuration checklist summarizes the tasks that you must perform to complete an installation.

## Before You Install

Complete the following tasks before you install Proactive Monitoring for PowerCenter:

- ☐ Read the Release Notes for updates to installation process and support changes.
- ☐ Verify system and disk space requirements to install Proactive Monitoring for PowerCenter.
- ☐ Prepare the databases:
  - Create a read-only user for the PowerCenter repository database.
  - Create a database for the Proactive Monitoring repository.
- ☐ Plan the installation to decide which tasks you want the installer to perform.
- ☐ Download and extract the following installation files:
  - Proactive Monitoring for PowerCenter
  - Command line utilities
- ☐ Verify the license key.

- ☐ Configure the command line utilities:
  - Install Microsoft Visual Studio on Windows.
  - Copy domain files.
  - Set environment variables.
  - Create a PowerCenter folder to store the operations workflow.
  - Configure the control file that the installer uses to import the operations workflow.
  - Encrypt the password to enable secure communication for the command line utilities.
- ☐ Create a system user account to perform the installation.
- ☐ Record information that you need to run the installer.

## Proactive Monitoring for PowerCenter Installation

Use the Proactive Monitoring for PowerCenter to install Proactive Monitoring components on a Windows or UNIX machine. You can install in graphical mode on Windows and in console mode on UNIX.

## After You Install Checklist

Complete the following tasks after you install Proactive Monitoring for PowerCenter:

- ☐ Configure permissions on the Proactive Monitoring repository database.
- ☐ Log in to the RulePoint Console and complete the following tasks:
  - Verify the installation.
  - Configure the email connection.
  - Configure LDAP users to receive alerts.
- ☐ Log in to Real-Time Alert Manager and enable dashboard alerts.
- ☐ If you run Proactive Monitoring in a secure environment, import the keytool.
- ☐ If you monitor operations, configure the node agent on the machine that hosts the Informatica node.
- ☐ Read the *Proactive Monitoring for PowerCenter Release Guide* for information about new features and changes to the release.
- ☐ Configure Proactive Monitoring for PowerCenter. For more information about configuring Proactive Monitoring for PowerCenter, see the configuration guide based on the edition that you installed, either Governance or Operations.

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