



Informatica PowerCenter Express
(Version 9.6.0)

Installation and Upgrade Guide

Informatica PowerCenter Express Installation and Upgrade Guide

Version 9.6.0
January 2014

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Part Number: PCX-ING-96000-0001

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Preface

The *PowerCenter Express Installation and Upgrade Guide* is written for users who want to install and run the Informatica PowerCenter Express product. This guide assumes that 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 that you are familiar with the interface requirements for your supporting applications.

Informatica Resources

Informatica My Support Portal

As an Informatica customer, you can access the Informatica My Support Portal at <http://mysupport.informatica.com>.

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CHAPTER 1

PowerCenter Express Installation and Upgrade Overview

This chapter includes the following topics:

- [PowerCenter Express Installation and Upgrade Overview, 1](#)
- [Informatica Services and Client Installation and Upgrade, 2](#)
- [Informatica Client Installation and Upgrade, 2](#)
- [Informatica Services Installation and Upgrade, 2](#)

PowerCenter Express Installation and Upgrade Overview

PowerCenter Express consists of an Informatica services component and an Informatica client component. You can install or upgrade the Informatica services and clients separately and on different machines or at the same time on the same machine.

You can install or upgrade the Informatica services on the Linux or Windows operating systems. You can install or upgrade the Informatica client on the Windows operating system.

The following table lists the components that you can install and upgrade and on which operating systems:

Components	Operating System
Informatica Services	Linux (64-bit)
Informatica Client	Windows (32-bit)
Informatica Services and Client (Combined)	Windows (32-bit) Windows (64-bit)

After you install PowerCenter Express, you can install Metadata Converter to exchange object metadata between PowerCenter and PowerCenter Express. Install Metadata Converter on the same machine where you installed the Informatica client.

Informatica Services and Client Installation and Upgrade

The Informatica services and client combined installation installs or upgrades the services and client components on the same machine. The installer automatically connects the Informatica Developer client tool to the Informatica domain.

To install or upgrade the Informatica services and client on the same machine, perform the following tasks:

1. Perform the pre-installation tasks or pre-upgrade tasks to ensure that you can successfully run the installer. You can then run the services on the Informatica domain and run the Informatica Developer client tool.
2. Run the PowerCenter Express installer to install or upgrade the Informatica domain, services, and the Informatica Developer client tool on the same machine.
3. Optionally, run the Metadata Converter installer to install Metadata Converter for PowerCenter Express client.

Informatica Client Installation and Upgrade

The Informatica client installation creates or upgrades Informatica Developer, which is a client tool that is used to create and run mappings. During installation and upgrade, the client installer also installs the client binary files and third-party software required to run Informatica Developer.

You can install or upgrade the Informatica client on the same machine that hosts the Informatica domain and services, or on a separate machine. After the client installation or upgrade finishes, log in to Informatica Developer and manually connect the client to the Informatica domain.

To install or upgrade the Informatica client, complete the following tasks:

1. Perform the pre-installation tasks or the pre-upgrade tasks to ensure that you can successfully run the Informatica Developer client tool.
2. Run the PowerCenter Express client installer to install or upgrade the Informatica Developer client tool.
3. Optionally, run the Metadata Converter installer to install Metadata Converter for PowerCenter Express client.

Informatica Services Installation and Upgrade

The Informatica services installation creates or upgrades the Informatica domain, the Model Repository Service, the Data Integration Service, and the Profiling warehouse.

During installation and upgrade, the services installer installs the server binary files, including a database to store the domain and repository data and metadata.

The services installer runs as a daemon on Linux and Windows. The Informatica service starts the Service Manager, which manages all domain operations.

After the services installation or upgrade finishes, the installer starts all of the installed services. The Informatica domain administrator can log in to Informatica Administrator to manage the domain and services.

To install or upgrade the Informatica services, perform the following tasks:

1. Perform the pre-installation or pre-upgrade tasks to ensure that you can successfully run the installer to run the services on the Informatica domain.
2. Use the PowerCenter Express server installer to install or upgrade the Informatica domain and services.

CHAPTER 2

PowerCenter Express Pre-Installation Tasks

This chapter includes the following topics:

- [PowerCenter Express Pre-Installation Tasks Overview, 4](#)
- [Pre-Installation Tasks on Linux, 4](#)
- [Pre-Installation Tasks on Windows, 5](#)

PowerCenter Express Pre-Installation Tasks Overview

Before you install the Informatica services and client, verify that your machine is set up to meet the requirements to install and run PowerCenter Express. Extract the installer files to the machines on which you want to install PowerCenter Express, and save the license key to a directory accessible to the user account that installs PowerCenter Express.

Pre-Installation Tasks on Linux

Before you install the Informatica services on Linux, complete the pre-installation tasks.

Verify the Minimum System Requirements

Verify that your machine meets the minimum system requirements to install and run PowerCenter Express.

The following table lists the minimum system requirements for the Informatica installation on Linux:

Component	Processor	RAM	Disk Space
Informatica Services	2 CPU	4 GB	2.5 GB

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 following table lists the temporary disk space requirements during installation:

Product	Disk Space
Informatica Services	320 MB

Verify the Host Name

Verify that the machine host name does not contain the underscore (_) character. If the machine name contains the underscore character, the installer cannot start the Informatica domain and the installation fails.

Type the command `hostname` to display the machine hostname. If the machine hostname contains the underscore character, change the hostname to one that does not contain the underscore character.

You must have root privileges to change the machine hostname. If you cannot log into the machine as the root user, contact the UNIX administrator with root privileges to perform the change.

Set the File Descriptor Limit

Verify that the operating system meets the file descriptor requirement.

Informatica service processes can use a large number of files. Set the file descriptor limit per process to 8,000 or higher. The recommended limit is 16,000 file descriptors per process.

Extract the Installer Files

Download the PowerCenter Express installer tar file from Informatica Marketplace.

The installer files are compressed and distributed as a tar file. Use a native tar or GNU tar utility to extract the installer files to a directory on your machine.

Save the License Key

If you are installing the Informatica services, after you download the PowerCenter Express installation files from Informatica Marketplace, Informatica sends you an email message with the license key file attached. Save the license key file to a directory accessible to the user account that installs PowerCenter Express.

Pre-Installation Tasks on Windows

Before you install the Informatica services and client on Windows, complete the pre-installation tasks.

Verify the Minimum System Requirements

Verify that your machine meets the minimum system requirements to install and run PowerCenter Express.

The following table lists the minimum system requirements for the Informatica installation on Windows:

Component	Processor	RAM	Disk Space
Informatica Services and Client	2 CPU	4 GB	2.5 GB
Informatica Client	2 CPU	1 GB	1 GB

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 following table lists the temporary disk space requirements during installation:

Product	Disk Space
Informatica Services and Client	220 MB
Informatica Client	220 MB

Verify the Host Name

If you are performing the Informatica services and client installation, verify that the machine host name does not contain the underscore (_) character. If the machine name contains the underscore character, the installer cannot start the Informatica domain and the installation fails.

Select **Windows Control Panel > System**. In the Computer name, domain, and workgroup settings area, verify that the computer name does not contain the underscore character.

If the machine host name contains the underscore character, rename the machine.

1. Open the Windows Control Panel.
2. Select **System**.
3. In the Computer name, domain, and workgroup settings area, click **Change settings**
4. Click **Change** to rename the computer.
5. Change the computer name to one that does not contain the underscore character.
6. Restart the computer.

Verify System User Account

Verify that the user account that you use to install the Informatica clients has write permission on the installation directory and Windows registry.

Extract the Installer Files

Download the PowerCenter Express installer .zip file from Informatica Marketplace.

The installer files are compressed and distributed as a .zip file. When you download the .zip file to a directory on your machine, verify that the length of the entire installation directory path, including the .zip file name, is 60 characters or less.

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

Save the License Key

If you are installing the Informatica services, after you download the PowerCenter Express installation files from Informatica Marketplace, Informatica sends you an email message with the license key file attached. Save the license key file to a directory accessible to the user account that installs PowerCenter Express.

CHAPTER 3

PowerCenter Express Installation

This chapter includes the following topics:

- [PowerCenter Express Installation Overview, 8](#)
- [Installing the Informatica Services on Linux, 8](#)
- [Installing the Informatica Client on Windows, 9](#)
- [Installing the Informatica Services and Client on Windows, 10](#)

PowerCenter Express Installation Overview

The PowerCenter Express installation consists of an Informatica services installation and an Informatica client installation. You can install the Informatica services and Informatica client on the same Windows machine. Alternatively, you can install the Informatica services on a Linux machine and the Informatica client on a Windows machine.

Installing the Informatica Services on Linux

Run the Informatica services installation to install the PowerCenter Express domain and services. You can run the Informatica services installation in console mode on Linux 64-bit machines.

1. Log in to the machine.
2. Close all other applications.
3. Navigate to the root directory of the extracted installer files.
4. On a shell command line, run the `install.sh` file.
The Informatica PowerCenter Express **License Agreement** screen appears.
5. Press **Enter** to review the terms of the license agreement.
6. Press **1** and **Enter** to accept the terms of the license agreement.
The Informatica PowerCenter Express **License and Installation Directory** screen appears.
7. Type the path and file name of the PowerCenter Express license key.
8. Press **Enter**.
9. Type the absolute path for the directory where you want to install the domain, services, and database.

The installation directory must be on the current machine. The directory names in the path must not contain spaces or the following special characters: @|* \$ # ! % () { } [] , ; ' Default is /Informatica/PCExpress.

10. Press **Enter**.

The Informatica PowerCenter Express **Pre-Installation Summary** screen appears.

11. Review the installation information and press **Enter** to continue.

The installer checks the system requirements for the installation, verifies port availability, creates the H2 database, creates the domain user with the name "Administrator," assigns port numbers to the database, and copies the Informatica files to the installation directory.

The Informatica PowerCenter Express **Domain and Repository Configuration** screen appears.

12. Type the password for the domain administrator. The password must be more than two characters and must not exceed 16 characters.

13. Press **Enter**.

14. Type the password again.

15. Press **Enter**.

16. Type the name of the Model repository. The name appears in the Object Explorer view of Informatica Developer. Default is ModelRepository.

17. Press **Enter**.

The installer registers the plug-ins, creates the domain and services, and starts the services and repository.

The **Post-Installation Summary** screen appears, indicating whether the installation completed successfully. It also shows the status of the installed components and their configuration. Click **Done** to close the installer.

You can view the <PowerCenterExpressInstallationDir>/Informatica_PCExpress_Service.log file to get more information about the tasks performed by the installer and to view configuration properties for the installed components.

Installing the Informatica Client on Windows

Run the Informatica client installation to install the Informatica Developer client tool. You can install the Informatica client on Windows 32-bit machines.

The Microsoft .NET version 2.0.50727 Framework is required for Data Transformation. Verify if the Framework is installed before you proceed with the installation.

1. Log in to the machine.
2. Close all other applications.
3. Navigate to the root directory of the extracted installer files.
4. Run the install.bat file.

The Informatica PowerCenter Express **License Agreement** page appears.

5. Review the terms of the license agreement.
6. Select **I accept the terms of the license agreement** and click **Next**.

The **License and Installation Directory** page appears.

7. Enter the absolute path for the directory where you want to install the client.

The installation directory must be on the current machine. The directory names in the path must not contain spaces or the dollar sign (\$). The maximum length of the path must be less than 260 characters. Default is \Informatica\PCExpress.

8. Click **Next**.

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

9. Verify that all installation requirements are met and click **Install**.

The installer copies the Informatica client files to the installation directory.

The **Post-Installation Summary** page indicates whether the installation completed successfully.

10. You can start Informatica Developer or close the installer.

- To start Informatica Developer, select Launch Informatica Developer and click **Done**. The installer opens Informatica Developer.
- To close the installer, click **Done**.

You can view the <PowerCenterExpressInstallationDir>\Informatica_PCExpress_Client.log file to get more information about the tasks performed by the installer and to view configuration properties for the installed components.

Installing the Informatica Services and Client on Windows

You can run the Informatica services and client installation in graphical mode on Windows 32-bit and 64-bit machines.

The Microsoft .NET version 2.0.50727 Framework is required for Data Transformation. Verify if the Framework is installed before you proceed with the installation.

1. Log in to the machine.
2. Close all other applications.
3. Navigate to the root directory of the extracted installer files.
4. Run the install.bat file.

The Informatica PowerCenter Express **License Agreement** page appears.

5. Review the terms of the license agreement.
6. Select **I accept the terms of the license agreement** and click **Next**.

The **License and Installation Directory** page appears.

7. Enter the path and file name of the PowerCenter Express license key.
8. Enter the absolute path for the directory where you want to install the domain, services and database.

The installation directory must be on the current machine. The directory names in the path must not contain spaces or the following special characters: @|* \$ # ! % () { } [] , ; ' Default is \Informatica\PCExpress.

9. Click **Next**.

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

10. Review the installation information and click **Install** to continue.

The installer checks the system requirements for the installation, verifies port availability, creates the H2 database, creates the domain user with the name "Administrator," assigns port numbers to the database, and copies the Informatica files to the installation directory.

The **Domain and Repository Configuration** page appears.

11. Enter the information for the domain configuration repository and the Model repository.

The following table describes the properties that you specify:

Property	Description
Domain user name	User name for the domain administrator. The domain user name is Administrator and cannot be changed.
Domain password	Password for the domain administrator. The password must be more than two characters and must not exceed 16 characters.
Confirm password	Password for the domain administrator. Enter the password again to confirm.
Repository name	Name of the repository that appears in the Object Explorer view of Informatica Developer. Default is ModelRepository.

12. Click **Next**.

The **Post-Installation Summary** page appears, indicating whether the installation completed successfully. It also shows the status of the installed components and their configuration.

13. You can start Informatica Developer or close the installer.

- To start Informatica Developer, select Launch Informatica Developer and click **Done**. The installer opens the Informatica Developer client tool.
- To close the installer, click **Done**.

You can view the <PowerCenterExpressInstallationDir>\Informatica_PCExpress_Service.log file to get more information about the tasks performed by the installer and to view configuration properties for the installed components.

CHAPTER 4

PowerCenter Express Upgrade

This chapter includes the following topics:

- [PowerCenter Express Upgrade Overview, 12](#)
- [PowerCenter Express Pre-Upgrade Tasks, 12](#)
- [Upgrading PowerCenter Express on Linux, 13](#)
- [Upgrading the PowerCenter Express Services and Client on Windows, 14](#)
- [Upgrading the PowerCenter Express Client on Windows, 15](#)

PowerCenter Express Upgrade Overview

PowerCenter Express consists of a server component and a client component. Informatica provides separate installers to upgrade the Informatica services and clients.

You can upgrade the Informatica services on the Linux operating system. You can upgrade the Informatica client on the Windows operating system. You can upgrade the Informatica services and client on the Windows 32-bit and 64-bit platforms.

PowerCenter Express Pre-Upgrade Tasks

Perform the pre-upgrade tasks before you upgrade PowerCenter Express.

Before you upgrade PowerCenter Express, verify that your machine is set up to meet the requirements to upgrade and run PowerCenter Express.

To upgrade PowerCenter Express, perform the following pre-upgrade tasks:

- Download the PowerCenter Express installer .zip file from Informatica Marketplace and extract to a directory on your machine.
- On Windows, verify that the length of the entire installation directory path, including the .zip file name, is 60 characters or less.
- On Windows, verify that the Microsoft .NET version 2.0.50727 Framework is installed on the machine where you want to upgrade the client. The Framework is required for Data Transformation.
- Verify that the machine host name does not contain the underscore (_) character. If the machine name contains the underscore character, the installer cannot start the Informatica domain and the installation fails.

- Make a note of the PowerCenter Express installation directory that you want to upgrade.
- Shut down the domain of the PowerCenter Express instance that you want to upgrade. In the Administrator tool, click the Domain tab and select the domain in the Navigator. On the Domain tab, click **Actions > Shutdown Domain**.
- Make a note of the domain administrator user password. The PowerCenter Express upgrade fails if you specify an incorrect password.

Upgrading PowerCenter Express on Linux

Run the PowerCenter Express services installation to upgrade the PowerCenter Express domain and services. You can run the installation in console mode on Linux 64-bit machines.

1. Log in to the machine.
2. Close all other applications.
3. Navigate to the root directory of the extracted installer files.
4. On a shell command line, run the install.sh file.
The Informatica PowerCenter Express **License Agreement** screen appears.
5. Press **Enter** to review the terms of the license agreement.
6. Press **1** and **Enter** to accept the terms of the license agreement.
The **Installation Type** screen appears.
7. Press **2** and **Enter** to upgrade to PowerCenter Express 9.6.0.
The Informatica PowerCenter Express **Installation Directory** screen appears.
8. Type the absolute path for the directory of the PowerCenter Express version that you want to upgrade.
The installation directory must be on the current machine. The directory names in the path must not contain spaces or the following special characters: @|* \$ # ! % () { } [] , ; ' Default is /Informatica/PCEXpress.
9. Press **Enter**.
The Informatica PowerCenter Express **Pre-Installation Summary** screen appears.
10. Review the installation information and press **Enter** to continue.
The Informatica PowerCenter Express **Domain and Repository Configuration** screen appears.
11. Type the password for the domain administrator.
12. Press **Enter**.
The Informatica PowerCenter Express **Post-Installation Summary** screen appears.
13. Press **Enter**.
The installer registers the plug-ins, upgrades the domain and services, and starts the services and repository.

Upgrading the PowerCenter Express Services and Client on Windows

You can run the PowerCenter Express services and client installation in graphical mode on Windows 32-bit and 64-bit machines.

1. Log in to the machine.
2. Close all other applications.
3. Navigate to the root directory of the extracted installer files.
4. Run the install.bat file.
The Informatica PowerCenter Express **License Agreement** page appears.
5. Review the terms of the license agreement.
6. Select **I accept the terms of the license agreement** and click **Next**.
The **Installation Type** page appears.
7. Select **Upgrade to Informatica PowerCenter Express** and click **Next**.
The **Upgrade Directory** page appears.
8. Enter the absolute path for the directory of the Informatica version you want to upgrade and install Informatica 9.6.0.
Default is \\Informatica\PCExpress.
9. Click **Next**.
The **Pre-Installation Summary** page appears.
10. Review the upgrade information and click **Install** to continue.
The **Domain and Repository Configuration** page appears.
11. Enter the information for the domain user credentials.
The following table describes the properties that you specify:

Property	Description
Domain user name	User name for the domain administrator. The domain user name is Administrator and cannot be changed.
Domain password	Password for the domain administrator.

12. Click **Next**.
The **Post-Installation Summary** page appears, indicating whether the installation completed successfully.
13. You can start Informatica Developer or close the installer.
 - To start Informatica Developer, select Launch Informatica Developer and click **Done**. The installer opens the Informatica Developer client tool.
 - To close the installer, click **Done**.

Upgrading the PowerCenter Express Client on Windows

Run the PowerCenter Express client installation to upgrade the Informatica Developer client tool. You can upgrade the client on Windows 32-bit machines.

1. Log in to the machine.
2. Close all other applications.
3. Navigate to the root directory of the extracted installer files.
4. Run the install.bat file.

The Informatica PowerCenter Express **License Agreement** page appears.
5. Review the terms of the license agreement.
6. Select **I accept the terms of the license agreement** and click **Next**.

The **Installation Type** page appears.
7. Select **Upgrade to Informatica PowerCenter Express Client** and click **Next**.

The **Installation Directory** page appears.
8. Enter the absolute path for the directory of the Informatica version you want to upgrade and install Informatica 9.6.0.

The installation directory must be on the current machine. The directory names in the path must not contain spaces or the dollar sign (\$). The maximum length of the path must be less than 260 characters. Default is \Informatica\PCExpress.
9. Click **Next**.

The **Pre-Installation Summary** page appears.
10. Verify that all installation requirements are met and click **Install**.

The installer copies the Informatica client files to the installation directory.
The **Post-Installation Summary** page indicates whether the installation completed successfully.
11. You can start Informatica Developer or close the installer.
 - To start Informatica Developer, select Launch Informatica Developer and click **Done**. The installer opens Informatica Developer.
 - To close the installer, click **Done**.

CHAPTER 5

Metadata Converter Installation

This chapter includes the following topics:

- [Metadata Converter Installation Overview, 16](#)
- [Installing Metadata Converter, 16](#)

Metadata Converter Installation Overview

You can install Metadata Converter on the machine that hosts the PowerCenter Express client. You can install Metadata Converter on Windows 32-bit machines.

Install Metadata Converter to exchange object metadata between PowerCenter and PowerCenter Express. You can import objects from a PowerCenter repository to PowerCenter Express. You can export the objects from PowerCenter Express to PowerCenter as XML files or you can export them to the PowerCenter repository.

Installing Metadata Converter

Run the Metadata Converter installation to install the utilities and plugins that enable you to export objects to PowerCenter and import objects from PowerCenter.

Install the PowerCenter Express client before you install Metadata Converter.

1. Log in to the machine that hosts the PowerCenter Express client.
2. Close all other applications.
3. Navigate to the root directory of the extracted installer files.
4. Run the `install.bat` file.
The **Welcome** page appears.
5. Click **Next**.
The **Installation Directory** page appears.
6. Enter the absolute path to the directory where you installed the Informatica client.
The installation directory must be on the current machine. Default is `\Informatica\PCExpress`.
7. Click **Next**.
The **Pre-Installation Summary** page appears.

8. Verify that all installation requirements are met and click **Install**.

The installer copies the binary files to the installation directory.

The **Post-Installation Summary** page indicates whether the installation completed successfully.

9. Click **Done**.

For more information about the tasks performed by the installer, you can view the

<PowerCenterExpressInstallationDir>\Metadata_Converter_for_PCExpress_Client.log file.

CHAPTER 6

Starting PowerCenter Express

This chapter includes the following topics:

- [Starting PowerCenter Express Overview, 18](#)
- [Starting and Stopping the Informatica Services, 18](#)
- [Logging in to Informatica Administrator, 19](#)
- [Logging in to Informatica Developer, 19](#)

Starting PowerCenter Express Overview

After you install the Informatica services and client, PowerCenter Express is ready to use. After you install the Informatica services, you can log in to Informatica Administrator to manage the domain and administer the services. After you install the Informatica client, you can log in to Informatica Developer and create mappings.

Starting and Stopping the Informatica Services

When the installation completes successfully, the installer starts the Informatica daemon on Linux or the Informatica service on Windows. You can manually start and stop the Informatica services.

Starting and Stopping the Informatica Services on Linux

On Linux, run `infaservice.sh` to start and stop the Informatica daemon. By default, `infaservice.sh` is installed in the following directory:

```
<PowerCenterExpressInstallationDir>/tomcat/bin
```

1. Go to the directory where `infaservice.sh` is located.
2. At the command prompt, enter the following command to start the daemon:

```
infaservice.sh startup
```

Enter the following command to stop the daemon:

```
infaservice.sh shutdown
```

Starting and Stopping the Informatica Services on Windows

You can use the Windows Start menu shortcut to start or stop the Informatica services.

Starting or Stopping the Informatica Services from the Windows Start Menu

To start the Informatica services from the Windows Start menu, click **Programs > Informatica PowerCenter Express**. Right-click **Start Informatica Services** and select **Run as Administrator**.

To stop the Informatica services from the Windows Start menu, click **Programs > Informatica PowerCenter Express > Stop Informatica Services**.

Logging in to Informatica Administrator

After you install the Informatica services, you can log in to Informatica Administrator to manage the PowerCenter Express application services.

1. From the Windows Start menu, click **Informatica PowerCenter Express > Launch Informatica Administrator**.

The default browser opens to the Administrator tool login page.

2. Enter the user name and password provided to you.
3. Click **Log In**.

The **Domain** tab of the Administrator tool opens.

Logging in to Informatica Developer

The Developer tool is the Informatica client tool you use to connect to a Model repository.

If you installed the Informatica services and the Informatica client separately, you must log in to Informatica Administrator to record the Informatica domain connection information. You must have the domain name, host name, and port number to add the domain to the Developer tool.

If you installed the Informatica services and the Informatica client at the same time on the same machine, the installation process adds the domain to the Developer tool.

CHAPTER 7

PowerCenter Express Uninstallation

This chapter includes the following topics:

- [PowerCenter Express Uninstallation Overview, 20](#)
- [Uninstalling the Informatica Services on Linux, 21](#)
- [Uninstalling the Informatica Client on Windows, 21](#)
- [Uninstalling the Informatica Services and Client on Windows, 22](#)

PowerCenter Express Uninstallation Overview

Uninstall PowerCenter Express to remove the Informatica services and client from the machine.

The PowerCenter Express uninstallation process deletes all Informatica files and clears all Informatica configurations from a machine. The uninstallation process does not delete files that are not installed with the Informatica services and client. For example, the installation process creates temporary directories. The uninstaller does not keep a record of these directories and therefore cannot delete them. You must manually delete these directories for a clean uninstallation.

If you installed Metadata Converter, the Informatica Client only uninstallation process also deletes all files and folders associated with the installation.

When you install PowerCenter Express, the installer creates an uninstaller. The uninstaller is stored in the uninstallation directory.

The following table lists the uninstallation directory for each type of installation:

Installation	Uninstallation Directory
Informatica Services	<PowerCenterExpressInstallationDir>/Uninstaller_PCEexpress
Informatica Client Only	<PowerCenterExpressInstallationDir>/Uninstaller_PCEexpress_Client
Informatica Services and Client (Combined)	<PowerCenterExpressInstallationDir>/Uninstaller_PCEexpress

To uninstall PowerCenter Express, use the uninstaller created during the installation. On Linux, uninstall PowerCenter Express from the command line. On Windows, uninstall PowerCenter Express from the Windows Start menu or Control Panel.

Uninstalling the Informatica Services on Linux

Before you run the uninstaller, stop all Informatica services and processes and verify that all files in the installation directory are closed. The uninstallation process cannot remove files that are open or are being used by a service or process that is running.

1. Go to the following directory:
`<PowerCenterExpressInstallationDir>/Uninstaller_PCExpress`
2. On a shell command line, run the `uninstaller.sh` file.
The Informatica PowerCenter Express **Uninstallation** screen appears.
3. Press **Enter**.
The Informatica PowerCenter Express **Pre-Installation Summary** screen appears.
4. Type **2** and press **Enter** to continue the uninstallation.
After the installer deletes all of the Informatica files from the directory, the **Post-Uninstallation Summary** screen appears.
5. Press **Enter**.

Uninstalling the Informatica Client on Windows

1. From the Windows Start menu, click **Programs > Informatica PowerCenter Express > Uninstaller**.
The Informatica PowerCenter Express **Uninstallation** page appears.
2. Click **Uninstall**.
After the uninstallation is complete, the Informatica PowerCenter Express **Post-Uninstallation Summary** page appears, displaying the results of the uninstallation.

After you uninstall the Informatica client, delete any remaining folders and files from the `<PowerCenterExpressInstallationDir>` directory.

If you uninstalled the Informatica client from a Windows 64-bit machine, log out of the machine, log back in, and clear the Informatica-specific CLASSPATH and PATH environment variables.

Uninstalling the Informatica Services and Client on Windows

Before you run the uninstaller, stop all Informatica services and processes and verify that all files in the installation directory are closed. The uninstallation process cannot remove files that are open or are being used by a service or process that is running.

1. From the Windows Start menu, click **Programs > Informatica PowerCenter Express > Uninstaller**.

The Informatica PowerCenter Express **Uninstallation** page appears.

2. Click **Uninstall** to begin the uninstallation.

After the installer deletes all of the Informatica files from the directory, the Informatica PowerCenter Express **Post-Uninstallation Summary** page appears.

3. Click **Done** to close the uninstaller.

After you uninstall the Informatica services, delete any remaining folders and files from the `<PowerCenterExpressInstallationDir>` directory.

If you uninstalled the Informatica services or client from a Windows 64-bit machine, log out of the machine, log back in, and clear the Informatica-specific CLASSPATH and PATH environment variables.

CHAPTER 8

PowerCenter Express Platform Connectivity

This chapter includes the following topics:

- [Connectivity Overview, 23](#)
- [Native Connectivity, 24](#)
- [ODBC Connectivity, 24](#)
- [JDBC Connectivity, 25](#)

Connectivity Overview

PowerCenter Express uses various types of connectivity to communicate among clients, services, and other components in the domain.

TCP/IP network protocol

Application services and the Service Managers in a domain use TCP/IP network protocol to communicate with other nodes and services. The clients also use TCP/IP to communicate with application services.

Native drivers

The Data Integration Service uses native drivers to communicate with databases. Native drivers are packaged with the database server and client software. Install and configure the native database client software on the machines where the Data Integration Service runs.

ODBC

The ODBC drivers are installed with the Informatica services and the Informatica clients. The Data Integration Service uses ODBC drivers to communicate with databases.

JDBC

The Model Repository Service uses JDBC to connect to the Model repository database. The services installer uses JDBC to connect to the domain configuration repository during installation. The gateway nodes in the Informatica domain use JDBC to connect to the domain configuration repository. The Data Integration Service can use JDBC drivers to communicate with databases.

PowerCenter Express uses TCP/IP to connect between the Informatica services and clients. The services and clients use native, ODBC, or JDBC drivers to connect to databases.

PowerCenter Express uses connection objects to define connectivity information for source and target databases. The connection objects can use native, JDBC, or ODBC connectivity.

Data Integration Service

The Data Integration Service uses connection objects to connect to sources and targets. The Data Integration Service uses native, JDBC, or ODBC drivers to connect and read data from a source database and write data to a target database. It uses TCP/IP to communicate with the Model Repository Service and client applications.

Model Repository Service

The Model Repository Service connects to the Model repository using JDBC drivers. Informatica Developer, Informatica Administrator, and the Data Integration Service communicate with the Model Repository Service over TCP/IP.

Informatica Developer

The Developer tool uses TCP/IP to send data transformation requests to the Data Integration Service. When you preview mappings or data objects in the Developer tool, it uses ODBC or JDBC drivers to connect to the source or target database to fetch the metadata required for preview.

Native Connectivity

To establish native connectivity between an application service and a database, you must install the database client software on the machine where the service runs.

The Data Integration Service uses native drivers to communicate with source and target databases.

The following table describes the syntax for the native connection string for each supported database system:

Database	Connect String Syntax	Example
IBM DB2	<i>dbname</i>	mydatabase
Microsoft SQL Server	<i>servername@dbname</i>	sqlserver@mydatabase
Oracle	<i>dbname.world</i> (same as TNSNAMES entry)	oracle.world

ODBC Connectivity

Open Database Connectivity (ODBC) provides a common way to communicate with different database systems.

The Data Integration Service use ODBC drivers to connect to databases.

To use ODBC connectivity, you must install the following components on the machine hosting the Informatica service or client tool:

- **Database client software.** Install the client software for the database system. This installs the client libraries needed to connect to the database.

Note: Some ODBC drivers contain wire protocols and do not require the database client software.

- **ODBC drivers.** The DataDirect closed 32-bit or 64-bit ODBC drivers are installed when you install the Informatica services. The DataDirect closed 32-bit ODBC drivers are installed when you install the Informatica clients. The database server can also include an ODBC driver.

After you install the necessary components you must configure an ODBC data source for each database that you want to connect to. A data source contains information that you need to locate and access the database, such as database name, user name, and database password. On Windows, you use the ODBC Data Source Administrator to create a data source name. On Linux, you add data source entries to the `odbc.ini` file found in the system `$ODBCHOME` directory.

When you create an ODBC data source, you must also specify the driver that the ODBC driver manager sends database calls to.

The following table shows the recommended ODBC drivers to use with each database:

Database	ODBC Driver	Requires Database Client Software
Microsoft Access	Microsoft Access driver	No
Microsoft Excel	Microsoft Excel driver	No
Microsoft SQL Server	DataDirect SQL Server Wire Protocol	No

JDBC Connectivity

JDBC (Java Database Connectivity) is a Java API that provides connectivity to relational databases. Java-based applications can use JDBC drivers to connect to databases.

You can use JDBC with Informatica transformations that use relational connections. You can perform read, write, and lookup database operations with a JDBC connection.

The following services and clients can use JDBC to connect to databases:

- Model Repository Service
- Informatica Developer
- Data Integration Service

JDBC drivers are installed with the Informatica services and the Informatica clients.

You can use a third-party JDBC driver. The driver must be JDBC 3.0 or later.

To import metadata in the Developer tool, copy the driver to the following location:

```
<InformaticaInstallationDir>\client\externaljdbcjars
```

To run data previews or mappings, copy the driver to the following location:

```
<InformaticaInstallationDir>\externaljdbcjars
```

CHAPTER 9

Troubleshooting the PowerCenter Express Installation

This chapter includes the following topics:

- [Installation Troubleshooting Overview, 26](#)
- [Installation Error Message Troubleshooting Process, 26](#)
- [Installation Error Messages, 27](#)
- [Uninstallation Error Messages, 29](#)
- [Troubleshooting PowerCenter Express, 29](#)

Installation Troubleshooting Overview

You may encounter errors during the installation and uninstallation processes.

Installation Error Message Troubleshooting Process

If you encounter an error during the installation process, you can resolve the error before you continue with the installation or continue the installation with errors.

You can resolve the errors and then continue the installation.

1. Locate the installation log file in the `<PowerCenterExpressInstallationDirectory>` directory.
2. Perform the steps in the Troubleshooting Tips section of the log file.
3. Return to the installer and select **OK** to continue the installation.

Alternatively, you can continue the installation with errors.

1. Select **Continue** to continue the installation with errors. The installation will not create the domain.
2. Complete the installation.
3. After the installation is complete, locate the installation log file in the `<PowerCenterExpressInstallationDirectory>` directory.
4. Perform the steps in the Troubleshooting Tips section of the log file.
5. Uninstall PowerCenter Express.

6. Install PowerCenter Express.

Installation Error Messages

Failed to create the domain. You can resolve the errors and complete the installation, or you can continue the installation with errors. To resolve the errors and complete the installation, refer to the installation log files. Select OK when the errors are resolved. To continue the installation with errors, select Continue. The installation will not create the domain. Refer to the installation log files to resolve the errors, uninstall PowerCenter Express, and perform the installation again. You can find the installation log files in the following directory: <PowerCenterExpressInstallationDirectory>\Informatica\PCExpress>

Explanation: The installer failed to successfully ping the host machine or there is an IP address conflict.

User Response: Perform one of the following actions:

- Ping the host machine. Run the following command to ping the host machine: `ping hostname/ip`
- Release and renew the IP addresses. Run the `ipconfig/release` and `ipconfig/renew` commands to release and renew the IP addresses.
- Clear the DNS cache. Run the `ipconfig/flushdns` command to clear the DNS cache to remove old and inaccurate DNS information.

Return to the installer and select **OK** to complete the installation. If the installer still fails to create the domain, perform the next step.

- Verify the IP address in the HOSTS file. Open the HOSTS file in the following directory and verify that the IP address correct and that it is a static IP address: `C:\Windows\System32\drivers\etc\hosts.`

Return to the installer and select **OK** to complete the installation. If the installer still fails to create the domain, perform the next step.

Explanation: The system memory amount is too low. The installer cannot create the domain due to out-of-memory issues or the domain creation timed out.

User Response: Verify that the host machine has the minimum amount of RAM required for the installation. Return to the installer and select **OK** to complete the installation.

Explanation: Third party tools were incorrectly installed.

User Response: Perform the following actions:

- Download and install the Microsoft Visual C++ 2008 Redistributable Package. Return to the installer and select **OK** to complete the installation. If the installer still fails to create the domain, perform the next step.
- Download and install Microsoft .NET Framework 3.5. Return to the installer and select **OK** to complete the installation. If the installer still fails to create the domain, perform the next step. If you have completed all of the troubleshooting tips and the installer still fails to create the domain, go to the installer and select **Continue** to continue the installation with errors. The installation will not create the domain. Uninstall PowerCenter Express, and perform the installation again.

The domain was created, but it is not accessible because Informatica services failed to start. To resolve the errors and complete the installation, refer to the installation log files. Select OK when the errors are resolved. To continue the installation with errors, select Continue. The installation will not start the Informatica services. Refer to the installation log files to resolve the errors, uninstall PowerCenter Express, and perform the installation again. You can find the installation log files in the following directory: <PowerCenterExpressInstallationDirectory>\Informatica\PCExpress>.

Explanation: The system memory amount is too low.

User Response: Verify that the host machine has the minimum amount of RAM required for the installation. Return to the installer and select OK to complete the installation.

Explanation: The machine host name contains the underscore (_) character.

User Response: Cancel the installation, change the host name to one that does not contain the underscore character, restart the computer, and rerun the installation.

Informatica Administrator is not available. The domain was created successfully but Informatica Administrator is not accessible. The installer may still be trying to access Informatica Administrator. To try and access Informatica Administrator again and complete the installation, select OK. To continue the installation with errors, select Continue. Refer to the installation log files to resolve the errors, uninstall PowerCenter Express, and perform the installation again. You can find the installation log files in the following directory: <PowerCenterExpressInstallationDirectory>\Informatica\PCExpress>.

Explanation: Informatica Administrator is not available for various reasons. Refer to the Informatica log files for details.

User Response: Check the logs files to determine the cause.

Catalina Log	Contains information about which port was unavailable during the startup of the Service Manager. You can find the file in the following directory: <PowerCenterExpressInstallationDir>\PCExpress\tomcat\logs
Node Log	Contains log events that were generated during the startup of the Service Manager on a node. Refer to this log to determine why the Service Manager for a node failed to start. You can find the file in the following directory: <PowerCenterExpressInstallationDir>\PCExpress\tomcat\logs
Exception Log	Contains a list of exceptions. You can find the file in the following directory: <PowerCenterExpressInstallationDir>\PCExpress\tomcat\logs
Administrator Log	Contains debug issues related to the Administrator tool. You can find the file in the following directory: <PowerCenterExpressInstallationDir>\PCExpress\services\AdministratorConsole
AdminConsole Log	Contains some, but not all, log events pertaining to the Administrator tool. You can find the file in the following directory: <PowerCenterExpressInstallationDir>\PCExpress\services\AdministratorConsole

Failed to create or enable the service. To continue the installation with errors, select OK. The installation will not create or enable the service. Refer to the installation log files to resolve the errors, uninstall PowerCenter Express, and perform the installation again. You can find the installation log files in the following directory: <PowerCenterExpressInstallationDirectory>\Informatica\PCExpress>.

Explanation: The system memory amount is too low.

User Response: Verify that the host machine has the minimum amount of RAM required for the installation. Return to the installer and select **OK** to complete the installation.

Uninstallation Error Messages

To prepare your machine for the uninstallation, close all command prompts and shut down all services, applications, and processes accessing the PowerCenter Express installation directory. If your machine is not prepared for the uninstallation, select OK and prepare your machine for the uninstallation before continuing with the uninstallation. If your machine is prepared for the uninstallation, select Continue to continue the uninstallation.

Explanation: This message appears when you uninstall PowerCenter Express.

User Response: Perform one of the following actions:

- If your machine is not prepared for the uninstallation, select **OK**. Close all command prompts, and shut down all services, applications, and processes accessing the PowerCenter Express installation directory. Return to the uninstaller and select **Uninstall** to resume the uninstallation.
- If you have closed all command prompts and shut down all services, applications, and processes accessing the PowerCenter Express installation directory, select **Continue** to continue the uninstallation.

Troubleshooting PowerCenter Express

I installed the Informatica services on Windows, but I cannot manually start the Informatica services. When I select **Programs > Informatica PowerCenter Express > Start Informatica Services**, the Informatica services do not start.

Verify that you have write permission on the PowerCenter Express installation directory.

When I run the Informatica services installation, the installer fails because the installer cannot ping the domain or start the Informatica service. The following message appears in the catalina.out log file:

```
Argument passed to the API is invalid.
```

Verify that the machine host name does not contain the underscore (_) character. If the machine host name contains the underscore character, change the host name to one that does not contain the underscore character.

After I install or upgrade to PowerCenter Express services and client on Windows 64-bit or 32-bit machines and I update from free to paid license key, I am unable to connect from Data Transformation to the Model Repository Service on another machine.

1. After you update the license key in the Administrator tool, stop the domain.
2. From a command prompt, run the following command: `infasetup updateGatewayNode -NodeAddress node_host:port -resetHostPort true` where, the host name and port number are the node address of the gateway node on which the Model Repository Service runs.
3. Restart the domain.

Upgrade to PowerCenter Express version 9.6.0 failed with some errors and I see that the profiling warehouse is not configured.

To manually upgrade the profiling warehouse to version 9.6.0 on Windows, perform the following tasks:

1. Verify that the upgrade of the Data Integration Service is complete.
2. In the Administrator tool, select the Data Integration Service.
3. Click **Actions > Profiling Warehouse Database Contents > Upgrade**.

To manually upgrade the profiling warehouse to version 9.6.0 on Linux, perform the following tasks:

1. Verify that the upgrade of the Data Integration Service is complete.
2. In the Administrator tool, create a JDBC connection for the profiling warehouse with the connection name **ProfilingWarehouseConnection** and connection string `jdbc:h2:tcp://<hostname>:<port number of H2 database>/ProfilingWarehouse;MVCC=true`.

Note: If you use `infacmd` to create the JDBC connection, use the following syntax: `infacmd.sh createConnection -dn <domain name> -un <username> -pd <password> -cn ProfilingWarehouseConnection -ct JDBC -cun <connection user name> -cpd <connection password> -o jdbcDriverClassName=org.h2.Driver metadataConnString='jdbc:h2:tcp://<host name>:<port number>/ProfilingWarehouse;MVCC=true`

3. Restart the Data Integration Service.
4. Create the profiling warehouse using the Administrator tool or `infacmd ps CreateWH` command.

Note: The `infacmd ps CreateWH` command uses the following syntax:

```
CreateWH<-DomainName|-dn> domain_name  
[<-Gateway|-hp>] gateway_name]  
  
<-UserName|-un> user_name  
  
<-Password|-pd> Password  
  
[<-SecurityDomain|-sdn> security_domain]  
  
<-DsServiceName|-dsn> data_integration_service_name
```

APPENDIX A

Connecting to Databases from Windows

This appendix includes the following topics:

- [Connecting to Databases from Windows Overview, 31](#)
- [Connecting to an IBM DB2 Universal Database from Windows, 32](#)
- [Connecting to Microsoft Access and Microsoft Excel from Windows, 32](#)
- [Connecting to a Microsoft SQL Server Database from Windows, 33](#)
- [Connecting to an Oracle Database from Windows, 33](#)

Connecting to Databases from Windows Overview

Configure connectivity to enable communication between clients, services, and other components in the domain.

To use native connectivity, you must install and configure the database client software for the database that you want to access. To ensure compatibility between the application service and the database, install a client software that is compatible with the database version and use the appropriate database client libraries. To increase performance, use native connectivity.

The Informatica installation includes DataDirect ODBC drivers. If you have existing ODBC data sources created with an earlier version of the drivers, you must create new ODBC data sources using the new drivers. Configure ODBC connections using the DataDirect ODBC drivers provided by Informatica or third party ODBC drivers that are Level 2 compliant or higher.

The Informatica installation includes DataDirect JDBC drivers. You can use these drivers without performing additional steps. You can also download JDBC Type 4 drivers from third-party vendors to connect to sources and targets. You can use any third-party JDBC driver that is JDBC 3.0 or later.

Connecting to an IBM DB2 Universal Database from Windows

For native connectivity, install the version of IBM DB2 Client Application Enabler (CAE) appropriate for the IBM DB2 database server version. To ensure compatibility between Informatica and databases, use the appropriate database client libraries.

Configuring Native Connectivity

You can configure native connectivity to an IBM DB2 database to increase performance.

The following steps provide a guideline for configuring native connectivity. For specific instructions, see the database documentation.

1. Verify that the following environment variable settings have been established by IBM DB2 Client Application Enabler (CAE):

```
DB2HOME=C:\IBM\SQLLIB
DB2INSTANCE=DB2
DB2CODEPAGE=1208 (Sometimes required. Use only if you encounter problems. Depends on
the locale, you may use other values.)
```

2. Verify that the PATH environment variable includes the IBM DB2 bin directory. For example:

```
PATH=C:\WINNT\SYSTEM32;C:\SQLLIB\BIN;...
```

3. Configure the IBM DB2 client to connect to the database that you want to access. To configure the IBM DB2 client:

- a. Launch the IBM DB2 Configuration Assistant.
- b. Add the database connection.
- c. Bind the connection.

4. Run the following command in the IBM DB2 Command Line Processor to verify that you can connect to the IBM DB2 database:

```
CONNECT TO <dbalias> USER <username> USING <password>
```

5. If the connection is successful, run the TERMINATE command to disconnect from the database. If the connection fails, see the database documentation.

Connecting to Microsoft Access and Microsoft Excel from Windows

Configure connectivity to the Informatica components on Windows.

Data Integration Service

Install Microsoft Access or Excel on the machine where the Data Integration Service processes run. Create an ODBC data source for the Microsoft Access or Excel data you want to access.

Informatica Developer

Install Microsoft Access or Excel on the machine hosting the Informatica Developer. Create an ODBC data source for the Microsoft Access or Excel data you want to access.

Configuring ODBC Connectivity

You can configure ODBC connectivity to a Microsoft Access or Excel database.

The following steps provide a guideline for configuring ODBC connectivity. For specific instructions, see the database documentation.

1. Create an ODBC data source using the driver provided by Microsoft.
2. To avoid using empty string or nulls, use the reserved words PmNullUser for the user name and PmNullPasswd for the password when you create a database connection.

Connecting to a Microsoft SQL Server Database from Windows

You must install the Microsoft SQL Server 2012 Native Client for native connectivity to Microsoft SQL Server databases.

You can download the client from the following Microsoft website:

<http://www.microsoft.com/en-in/download/details.aspx?id=29065>.

Configuring Native Connectivity

You can configure native connectivity to a Microsoft SQL Server database to increase performance.

Install the Microsoft SQL Server 2012 Native Client to configure native connectivity to a Microsoft SQL Server database. If you cannot to connect to the database, verify that you correctly entered all of the connectivity information. For specific connectivity instructions, see the database documentation.

Connecting to an Oracle Database from Windows

For native connectivity, install the version of Oracle client appropriate for the Oracle database server version. To ensure compatibility between Informatica and databases, use the appropriate database client libraries.

You must install compatible versions of the Oracle client and Oracle database server. You must also install the same version of the Oracle client on all machines that require it. To verify compatibility, contact Oracle.

Configuring Native Connectivity

You can configure native connectivity to an Oracle database to increase performance.

The following steps provide a guideline for configuring native connectivity using Oracle Net Services or Net8. For specific connectivity instructions, see the database documentation.

1. Verify that the Oracle home directory is set.

For example:

```
ORACLE_HOME=C:\Oracle
```

2. Verify that the PATH environment variable includes the Oracle bin directory.

For example, if you install Net8, the path might include the following entry:

```
PATH=C:\ORANT\BIN;
```

3. Configure the Oracle client to connect to the database that you want to access.

Launch SQL*Net Easy Configuration Utility or edit an existing `tnsnames.ora` file to the home directory and modify it.

Note: By default, the `tnsnames.ora` file is stored in the following directory: `<OracleInstallationDir>\network\admin`.

Enter the correct syntax for the Oracle connect string, typically `databasename.world`. Make sure the SID entered here matches the database server instance ID defined on the Oracle server.

Here is a sample `tnsnames.ora` file. Enter the information for the database.

```
mydatabase.world =
  (DESCRIPTION
    (ADDRESS_LIST =
      (ADDRESS =
        (COMMUNITY = mycompany.world
          (PROTOCOL = TCP)
          (Host = mymachine)
          (Port = 1521)
        )
      )
    )
  (CONNECT_DATA =
    (SID = MYORA7)
    (GLOBAL_NAMES = mydatabase.world)
```

4. Set the `NLS_LANG` environment variable to the locale, including language, territory, and character set, you want the database client and server to use with the login.

The value of this variable depends on the configuration. For example, if the value is `american_america.UTF8`, you must set the variable as follows:

```
NLS_LANG=american_america.UTF8;
```

To determine the value of this variable, contact the database administrator.

5. If the `tnsnames.ora` file is not in the same location as the Oracle client installation location, set the `TNS_ADMIN` environment variable to the directory where the `tnsnames.ora` file resides.

For example, if the `tnsnames.ora` file is in the `C:\oracle\files` directory, set the variable as follows:

```
TNS_ADMIN= C:\oracle\files
```

6. Verify that you can connect to the Oracle database.

To connect to the database, launch SQL*Plus and enter the connectivity information. If you fail to connect to the database, verify that you correctly entered all of the connectivity information.

Use the connect string as defined in the `tnsnames.ora` file.

APPENDIX B

Connecting to Databases from Linux

This appendix includes the following topics:

- [Connecting to Databases from Linux Overview, 35](#)
- [Connecting to an IBM DB2 Universal Database from Linux, 36](#)
- [Connecting to a Microsoft SQL Server Database from Linux, 37](#)
- [Connecting to an Oracle Database from Linux, 39](#)
- [Connecting to an ODBC Data Source, 41](#)
- [Connecting to a JDBC Data Source, 44](#)

Connecting to Databases from Linux Overview

Configure connectivity to enable communication between clients, services, and other components in the domain.

To use native connectivity, you must install and configure the database client software for the database that you want to access. To ensure compatibility between the application service and the database, install a client software that is compatible with the database version and use the appropriate database client libraries. To increase performance, use native connectivity.

The Informatica installation includes DataDirect ODBC drivers. If you have existing ODBC data sources created with an earlier version of the drivers, you must create new ODBC data sources using the new drivers. Configure ODBC connections using the DataDirect ODBC drivers provided by Informatica or third party ODBC drivers that are Level 2 compliant or higher.

Use the following guidelines when you connect to databases from Linux:

- Use native drivers to connect to IBM DB2 or Oracle databases.
- You can use ODBC or JDBC to connect to other sources and targets.

Connecting to an IBM DB2 Universal Database from Linux

For native connectivity, install the version of IBM DB2 Client Application Enabler (CAE) appropriate for the IBM DB2 database server version. To ensure compatibility between Informatica and databases, use the appropriate database client libraries.

Configuring Native Connectivity

You can configure native connectivity to an IBM DB2 database to increase performance.

The following steps provide a guideline for configuring native connectivity. For specific instructions, see the database documentation.

1. To configure connectivity on the machine where the Data Integration Service process runs, log in to the machine as a user who can start a service process.
2. Set the DB2INSTANCE, INSTHOME, DB2DIR, and PATH environment variables.

The Linux IBM DB2 software always has an associated user login, often db2admin, which serves as a holder for database configurations. This user holds the instance for IBM DB2.

DB2INSTANCE. The name of the instance holder.

Using a Bourne shell:

```
$ DB2INSTANCE=db2admin; export DB2INSTANCE
```

Using a C shell:

```
$ setenv DB2INSTANCE db2admin
```

INSTHOME. This is db2admin home directory path.

Using a Bourne shell:

```
$ INSTHOME=~db2admin
```

Using a C shell:

```
$ setenv INSTHOME ~db2admin>
```

DB2DIR. Set the variable to point to the IBM DB2 CAE installation directory. For example, if the client is installed in the /opt/IBM/db2/V9.7 directory:

Using a Bourne shell:

```
$ DB2DIR=/opt/IBM/db2/V9.7; export DB2DIR
```

Using a C shell:

```
$ setenv DB2DIR /opt/IBM/db2/V9.7
```

PATH. To run the IBM DB2 command line programs, set the variable to include the IBM DB2 bin directory.

Using a Bourne shell:

```
$ PATH=${PATH}:$DB2DIR/bin; export PATH
```

Using a C shell:

```
$ setenv PATH ${PATH}:$DB2DIR/bin
```

3. Set the shared library variable to include the IBM DB2 lib directory.

The IBM DB2 client software contains a number of shared library components that the Data Integration Service processes load dynamically. To locate the shared libraries during run time, set the shared library environment variable.

The shared library path must also include the Informatica installation directory (`server_dir`).

Set the shared library environment variable to `LD_LIBRARY_PATH`.

For example, use the following syntax:

- Using a Bourne shell:

```
$ LD_LIBRARY_PATH=${LD_LIBRARY_PATH}:$HOME/server_dir:$DB2DIR/lib; export
LD_LIBRARY_PATH
```

- Using a C shell:

```
$ setenv LD_LIBRARY_PATH ${LD_LIBRARY_PATH}:$HOME/server_dir:$DB2DIR/lib
```

4. Edit the `.cshrc` or `.profile` to include the complete set of shell commands. Save the file and either log out and log in again or run the source command.

Using a Bourne shell:

```
$ source .profile
```

Using a C shell:

```
$ source .cshrc
```

5. If the IBM DB2 database resides on the same machine on which Data Integration Service processes run, configure the IBM DB2 instance as a remote instance.

Run the following command to verify if there is a remote entry for the database:

```
DB2 LIST DATABASE DIRECTORY
```

The command lists all the databases that the IBM DB2 client can access and their configuration properties. If this command lists an entry for "Directory entry type" of "Remote," skip to step 6.

If the database is not configured as remote, run the following command to verify whether a TCP/IP node is cataloged for the host:

```
DB2 LIST NODE DIRECTORY
```

If the node name is empty, you can create one when you set up a remote database. Use the following command to set up a remote database and, if needed, create a node:

```
db2 CATALOG TCPIP NODE <nodename> REMOTE <hostname_or_address> SERVER <port number>
```

Run the following command to catalog the database:

```
db2 CATALOG DATABASE <dbname> as <dbalias> at NODE <nodename>
```

For more information about these commands, see the database documentation.

6. Verify that you can connect to the IBM DB2 database. Run the IBM DB2 Command Line Processor and run the command:

```
CONNECT TO <dbalias> USER <username> USING <password>
```

If the connection is successful, clean up with the `CONNECT RESET` or `TERMINATE` command.

Connecting to a Microsoft SQL Server Database from Linux

Use ODBC to connect to a Microsoft SQL Server database from a Linux machine.

Configuring ODBC Connectivity

You can configure ODBC connectivity to a Microsoft SQL Server database.

The following steps provide a guideline for configuring ODBC connectivity. For specific instructions, see the database documentation.

1. Set the ODBC_HOME environment variable to the ODBC installation directory. For example:

Using a Bourne shell:

```
$ ODBC_HOME=<Informatica server home>/ODBC7.0; export ODBC_HOME
```

Using a C shell:

```
$ setenv ODBC_HOME <Informatica server home>/ODBC7.0
```

2. Set the ODBCINI environment variable to the location of the odbc.ini file. For example, if the odbc.ini file is in the \$ODBC_HOME directory:

Using a Bourne shell:

```
ODBCINI=$ODBC_HOME/odbc.ini; export ODBCINI
```

Using a C shell:

```
$ setenv ODBCINI $ODBC_HOME/odbc.ini
```

3. Edit the existing odbc.ini file in the \$ODBC_HOME directory or copy this odbc.ini file to the Linux home directory and edit it.

```
$ cp $ODBC_HOME/odbc.ini $HOME/.odbc.ini
```

4. Add an entry for the DataDirect New SQL Server Wire Protocol driver `DWsqlsxx.so` provided by Informatica under the section `[ODBC Data Sources]` and configure the data source. For example:

```
[SQL Server Wire Protocol]
Driver=/export/home/build_root/ODBC_7.0/install/lib/DWsqls26.so
Description=DataDirect SQL Server Wire Protocol
Database=<database_name>
EnableBulkLoad=0
EnableQuotedIdentifiers=0
FailoverGranularity=0
FailoverMode=0
FailoverPreconnect=0
FetchTSWTZasTimestamp=0
FetchTWFSasTime=1
GSSClient=native
HostName=<SQL_Server_host>
EncryptionMethod=0
ValidateServerCertificate=0
TrustStore=
TrustStorePassword=
HostNameInCertificate=
InitializationString=
Language=
```

To ensure consistent data in Microsoft SQL Server repositories, go to the Create a New Data Source to SQL Server dialog box and clear the Create temporary stored procedures for prepared SQL statements check box.

5. Set the PATH and shared library environment variables by executing the script `odbc.sh` or `odbc.csh` in the \$ODBC_HOME directory.

Using a Bourne shell:

```
sh odbc.sh
```

Using a C shell:

```
source odbc.csh
```

6. Verify that you can connect to the SQL Server database using the ODBC data source. If the connection fails, see the database documentation.

Configuring SSL Authentication through ODBC

You can configure SSL authentication for Microsoft SQL Server through ODBC using the DataDirect New SQL Server Wire Protocol driver.

1. Open the `odbc.ini` file and add an entry for the ODBC data source and DataDirect New SQL Server Wire Protocol driver under the section `[ODBC Data Sources]`.
2. Add the attributes in the `odbc.ini` file for configuring SSL.

The following table lists the attributes that you must add to the `odbc.ini` file when you configure SSL authentication:

Attribute	Description
<code>EncryptionMethod</code>	The method that the driver uses to encrypt the data sent between the driver and the database server. Set the value to 1 to encrypt data using SSL.
<code>ValidateServerCertificate</code>	Determines whether the driver validates the certificate sent by the database server when SSL encryption is enabled. Set the value to 1 for the driver to validate the server certificate.
<code>TrustStore</code>	The location and name of the trust store file. The trust store file contains a list of Certificate Authorities (CAs) that the driver uses for SSL server authentication.
<code>TrustStorePassword</code>	The password to access the contents of the trust store file.
<code>HostNameInCertificate</code>	Optional. The host name that is established by the SSL administrator for the driver to validate the host name contained in the certificate.

Connecting to an Oracle Database from Linux

For native connectivity, install the version of Oracle client appropriate for the Oracle database server version. To ensure compatibility between Informatica and databases, use the appropriate database client libraries.

You must install compatible versions of the Oracle client and Oracle database server. You must also install the same version of the Oracle client on all machines that require it. To verify compatibility, contact Oracle.

Configuring Native Connectivity

You can configure native connectivity to an Oracle database to increase performance.

The following steps provide a guideline for configuring native connectivity through Oracle Net Services or Net8. For specific instructions, see the database documentation.

1. To configure connectivity for the Data Integration Service process, log in to the machine as a user who can start the server process.
2. Set the `ORACLE_HOME`, `NLS_LANG`, `TNS_ADMIN`, and `PATH` environment variables.

ORACLE_HOME. Set the variable to the Oracle client installation directory. For example, if the client is installed in the /HOME2/oracle directory, set the variable as follows:

Using a Bourne shell:

```
$ ORACLE_HOME=/HOME2/oracle; export ORACLE_HOME
```

Using a C shell:

```
$ setenv ORACLE_HOME /HOME2/oracle
```

NLS_LANG. Set the variable to the locale (language, territory, and character set) you want the database client and server to use with the login. The value of this variable depends on the configuration. For example, if the value is american_america.UTF8, set the variable as follows:

Using a Bourne shell:

```
$ NLS_LANG=american_america.UTF8; export NLS_LANG
```

Using a C shell:

```
$ NLS_LANG american_america.UTF8
```

To determine the value of this variable, contact the Administrator.

TNS_ADMIN. If the tnsnames.ora file is not in the same location as the Oracle client installation location, set the TNS_ADMIN environment variable to the directory where the tnsnames.ora file resides. For example, if the file is in the /HOME2/oracle/files directory, set the variable as follows:

Using a Bourne shell:

```
$ TNS_ADMIN=$HOME2/oracle/files; export TNS_ADMIN
```

Using a C shell:

```
$ setenv TNS_ADMIN=$HOME2/oracle/files
```

Note: By default, the tnsnames.ora file is stored in the following directory: \$ORACLE_HOME/network/admin.

PATH. To run the Oracle command line programs, set the variable to include the Oracle bin directory.

Using a Bourne shell:

```
$ PATH=${PATH}:$ORACLE_HOME/bin; export PATH
```

Using a C shell:

```
$ setenv PATH ${PATH}:ORACLE_HOME/bin
```

3. Set the shared library environment variable.

The Oracle client software contains a number of shared library components that the Data Integration Service processes load dynamically. To locate the shared libraries during run time, set the shared library environment variable.

The shared library path must also include the Informatica installation directory (*server_dir*).

Set the shared library environment variable to LD_LIBRARY_PATH.

For example, use the following syntax:

- Using a Bourne shell:

```
$ LD_LIBRARY_PATH=${LD_LIBRARY_PATH}:$HOME/server_dir:$ORACLE_HOME/lib; export LD_LIBRARY_PATH
```

- Using a C shell:

```
$ setenv LD_LIBRARY_PATH ${LD_LIBRARY_PATH}:$HOME/server_dir:$ORACLE_HOME/lib
```

4. Edit the .cshrc or .profile to include the complete set of shell commands. Save the file and either log out and log in again, or run the source command.

Using a Bourne shell:

```
$ source .profile
```

Using a C shell:

```
$ source .cshrc
```

5. Verify that the Oracle client is configured to access the database.

Use the SQL*Net Easy Configuration Utility or copy an existing `tnsnames.ora` file to the home directory and modify it.

The `tnsnames.ora` file is stored in the following directory: `$ORACLE_HOME/network/admin`.

Enter the correct syntax for the Oracle connect string, typically `databasename.world`.

Here is a sample `tnsnames.ora` file. Enter the information for the database.

```
mydatabase.world =
  (DESCRIPTION
    (ADDRESS_LIST =
      (ADDRESS =
        (COMMUNITY = mycompany.world
          (PROTOCOL = TCP)
          (Host = mymachine)
          (Port = 1521)
        )
      )
    )
  (CONNECT_DATA =
    (SID = MYORA7)
    (GLOBAL_NAMES = mydatabase.world)
  )
```

6. Verify that you can connect to the Oracle database.

To connect to the Oracle database, launch SQL*Plus and enter the connectivity information. If you fail to connect to the database, verify that you correctly entered all of the connectivity information.

Enter the user name and connect string as defined in the `tnsnames.ora` file.

Connecting to an ODBC Data Source

Install and configure native client software on the machine where the Data Integration Service runs. Also install and configure any underlying client access software required by the ODBC driver. To ensure compatibility between Informatica and the databases, use the appropriate database client libraries.

The Informatica installation includes DataDirect ODBC drivers. If the `odbc.ini` file contains connections that use earlier versions of the ODBC driver, update the connection information to use the new drivers. Use the System DSN to specify an ODBC data source on Windows.

1. On the machine where the Data Integration Service runs, log in as a user who can start a service process.
2. Set the `ODBCHOME` and `PATH` environment variables.

ODBCHOME. Set to the DataDirect ODBC installation directory. For example, if the install directory is `/opt/ODBC7.0`.

Using a Bourne shell:

```
$ ODBCHOME=/opt/ODBC7.0; export ODBCHOME
```

Using a C shell:

```
$ setenv ODBCHOME /opt/ODBC7.0
```

PATH. To run the ODBC command line programs, like `ddtestlib`, set the variable to include the `odbc` bin directory.

Using a Bourne shell:

```
$ PATH=${PATH}:$ODBCHOME/bin; export PATH
```

Using a C shell:

```
$ setenv PATH ${PATH}:$ODBCHOME/bin
```

Run the *ddtestlib* utility to verify that the DataDirect ODBC driver manager can load the driver files.

3. Set the shared library environment variable.

The ODBC software contains a number of shared library components that the service processes load dynamically. To locate the shared libraries during run time, set the shared library environment variable.

The shared library path must also include the Informatica installation directory (*server_dir*).

Set the shared library environment variable to LD_LIBRARY_PATH.

For example, use the following syntax:

- Using a Bourne shell:

```
$ LD_LIBRARY_PATH=${LD_LIBRARY_PATH}:$HOME/server_dir:$ODBCHOME/lib; export LD_LIBRARY_PATH
```

- Using a C shell:

```
$ setenv LD_LIBRARY_PATH $HOME/server_dir:$ODBCHOME:${LD_LIBRARY_PATH}
```

4. Edit the existing *odbc.ini* file or copy the *odbc.ini* file to the home directory and edit it.

This file exists in \$ODBCHOME directory.

```
$ cp $ODBCHOME/odbc.ini $HOME/.odbc.ini
```

Add an entry for the ODBC data source under the section [ODBC Data Sources] and configure the data source.

For example:

```
MY_MSSQLSERVER_ODBC_SOURCE=<Driver name or data source description>
[MY_MSSQLSERVER_ODBC_SOURCE]
Driver=<path to ODBC drivers>
Description=DataDirect 7.0 SQL Server Wire Protocol
Database=<SQLServer_database_name>
LogonID=<username>
Password=<password>
Address=<TCP/IP address>,<port number>
QuoteId=No
AnsiNFW=No
ApplicationsUsingThreads=1
```

This file might already exist if you have configured one or more ODBC data sources.

5. Verify that the last entry in the *odbc.ini* is *InstallDir* and set it to the *odbc* installation directory.

For example:

```
InstallDir=/export/build/Informatica/9.5.1/ODBC7.0
```

6. If you use the *odbc.ini* file in the home directory, set the ODBCINI environment variable.

Using a Bourne shell:

```
$ ODBCINI=$HOME/.odbc.ini; export ODBCINI
```

Using a C shell:

```
$ setenv ODBCINI $HOME/.odbc.ini
```

7. Edit the *.cshrc* or *.profile* to include the complete set of shell commands. Save the file and either log out and log in again, or run the *source* command.

Using a Bourne shell:

```
$ source .profile
```

Using a C shell:

```
$ source .cshrc
```

8. Use the *ddtestlib* utility to verify that the DataDirect ODBC driver manager can load the driver file you specified for the data source in the *odbc.ini* file.

For example, if you have the driver entry:

```
Driver = /opt/odbc/lib/DWxxxx.so
```

run the following command:

```
ddtestlib /opt/odbc/lib/DWxxxx.so
```

9. Install and configure any underlying client access software needed by the ODBC driver.

Note: While some ODBC drivers are self-contained and have all information inside the *.odbc.ini* file, most are not.

If you are using the ODBC drivers provided by informatica (DWxxxx26.so), instead of manually setting the *PATH* and shared library path environment variables, you can also execute the script *odbc.sh* or *odbc.csh* present under *\$ODBCHOME* folder. This script will set the required *PATH* and shared library path environment variables for the ODBC drivers provided by Informatica.

Sample odbc.ini File (PCX)

```
[ODBC Data Sources]
SQL Server Wire Protocol=DataDirect 7.0 SQL Server Wire Protocol

[ODBC]
IANAAppCodePage=4
InstallDir=/export/home/install/Informatica/PCExpress/ODBC7.0
Trace=0
TraceFile=odbctrace.out
TraceDll=/export/home/install/Informatica/PCExpress/ODBC7.0/lib/DWtrc26.so

[SQL Server Wire Protocol]
Driver=/export/home/install/Informatica/9.5.1/ODBC7.0/lib/DWsqls26.so
Description=DataDirect 7.0 New SQL Server Wire Protocol
AlternateServers=
AlwaysReportTriggerResults=0
AnsiNPW=1
ApplicationName=
ApplicationUsingThreads=1
AuthenticationMethod=1
BulkBinaryThreshold=32
BulkCharacterThreshold=-1
BulkLoadBatchSize=1024
BulkLoadOptions=2
ConnectionReset=0
ConnectionRetryCount=0
ConnectionRetryDelay=3
Database=<database_name>
EnableBulkLoad=0
EnableQuotedIdentifiers=0
EncryptionMethod=0
FailoverGranularity=0
FailoverMode=0
FailoverPreconnect=0
FetchTSWTZasTimestamp=0
FetchTWFSasTime=1
GSSClient=native
HostName=<SQL_Server_host>
HostNameInCertificate=
InitializationString=
Language=
LoadBalanceTimeout=0
LoadBalancing=0
LoginTimeout=15
```

```
LogonID=  
MaxPoolSize=100  
MinPoolSize=0  
PacketSize=-1  
Password=  
Pooling=0  
PortNumber=<SQL_Server_server_port>  
QueryTimeout=0  
ReportCodePageConversionErrors=0  
SnapshotSerializable=0  
TrustStore=  
TrustStorePassword=  
ValidateServerCertificate=1  
WorkStationID=  
XML Describe Type=-10
```

Connecting to a JDBC Data Source

JDBC drivers are installed with the Informatica installation. You can use the JDBC drivers that are provided by Informatica or you can use third party Type 4 JDBC drivers to connect to databases.

If you use the JDBC drivers that are installed with the product, Informatica uses the jar files at run time to create the JDBC connection. If you use third party JDBC drivers, you must save the jar files to predefined directories to create the JDBC connections.

1. On the machine where the Informatica services are installed, save the Type 4 JDBC driver to the following directory: <PowerCenterExpressInstallationDir>\externaljdbcjars
2. On the machine where the Informatica client is installed, save the Type 4 JDBC driver to the following directory: <PowerCenterExpressInstallationDir>\client\externaljdbcjars
3. Start Informatica Developer.

APPENDIX C

PowerCenter Express Installation and Upgrade Checklist

This appendix includes the following topics:

- [PowerCenter Express Installation and Upgrade Checklist Overview, 45](#)
- [Informatica Services Installation, 45](#)
- [Informatica Client Installation Checklist, 46](#)
- [Informatica Services and Client Installation, 47](#)
- [PowerCenter Express Pre-Upgrade Checklist, 48](#)

PowerCenter Express Installation and Upgrade Checklist Overview

The installation checklists summarize the tasks that you must perform to install and upgrade PowerCenter Express.

Informatica Services Installation

Complete the steps to install the Informatica services.

Step 1. Verify the System Requirements

Verify that your machine meets the following minimum system requirements:

- Disk Space: 2 GB
- Processor: 2 CPU
- RAM: 4 GB
- Temporary Disk Space: 320 MB

Step 2. Verify the Host Name

Verify that machine host name does not contain the underscore (_) character.

Step 3. Set the File Descriptor Limit

Verify that the operating system meets the file descriptor requirement.

- Minimum: 8,000
- Recommended: 16,000

Step 4. Extract the Installer Files

Extract the installer files to a directory on your machine.

1. Download the PowerCenter Express installer tar file from Informatica Marketplace.
2. Save the file to a directory on your machine.
3. Use a native tar or GNU tar utility to extract the installer files to a directory on your machine.
4. Write down the directory location.

Step 5. Save the License Key

1. Save the license key file to a directory accessible to the user account that installs PowerCenter Express.
2. Write down the license key location.

Step 6. Determine the PowerCenter Express Installation Directory

Write down the PowerCenter Express location Default is `/Informatica/PCExpress`.

Step 7. Determine the Repository Name

Write down the repository name Default is `ModelRepository`.

Step 8. Install the Informatica Services

1. Use the PowerCenter Express server installer to install the Informatica services on a Linux machine.
2. Write down the URL location of the Informatica Administrator home page.

Step 9. Install the Database Client Software

Optionally, install the database client software and configure connectivity to connect to a relational database.

Step 10. Log in to Informatica Administrator

Log in to Informatica Administrator.

Informatica Client Installation Checklist

Complete the steps to install the Informatica client.

Step 1. Verify the System Requirements

Verify that your machine meets the following minimum system requirements:

- Disk Space: 1 GB
- Processor: 2 CPU
- RAM: 1 GB
- Temporary Disk Space: 220 MB

Step 2. Verify the System User Account

Verify that the user account that you use to install the Informatica clients has write permission on the installation directory and Windows registry.

Step 3. Extract the Installer Files

Extract the installer files to a directory on your machine.

1. Download the PowerCenter Express installer .zip file from Informatica Marketplace.
2. Save the file to a directory on your machine.
3. Use a .zip utility to extract the installer files to a directory on your machine.
4. Write down the directory location.

Step 4. Determine the PowerCenter Express Installation Directory

Write down the PowerCenter Express location. Default is `C:\Informatica\PCExpress`.

Step 5. Install the Informatica Client

1. Use the PowerCenter Express client installer to install the Informatica client on a Windows machine.

Step 6. Gather the Domain Connection Informatica

1. Log in to Informatica Administrator.
2. Write down the Informatica domain connection information.
 - Domain name
 - Host name
 - Port number

Step 7. Log in to Informatica Developer

Log in to Informatica Developer and add the domain.

You are now ready to use Informatica Developer.

Informatica Services and Client Installation

Complete the steps to install the Informatica services and client.

Step 1. Verify the System Requirements

Verify that your machine meets the following minimum system requirements:

- Disk Space: 2.5 GB
- Processor: 2 CPU
- RAM: 4 GB
- Temporary Disk Space: 220 MB

Step 2. Verify the Host Name

Verify that machine host name does not contain the underscore (_) character.

Step 3. Verify the System User Account

Verify that the user account that you use to install the Informatica clients has write permission on the installation directory and Windows registry.

Step 4. Extract the Installer Files

Extract the installer files to a directory on your machine.

1. Download the PowerCenter Express installer .zip file from Informatica Marketplace.
2. Save the file to a directory on your machine.
3. Use a .zip utility to extract the installer files to a directory on your machine.
4. Write down the directory location.

Step 5. Save the License Key

1. Save the license key file to a directory accessible to the user account that installs PowerCenter Express.
2. Write down the license key location.

Step 6. Determine the PowerCenter Express Installation Directory

Write down the PowerCenter Express location. Default is `C:\Informatica\PCExpress`.

Step 7. Determine the Repository Name

Write down the repository name Default is `ModelRepository`.

Step 8. Install the Informatica Services and Client

1. Use the PowerCenter Express server and client installer to install the Informatica services and client on a Windows machine.
2. Write down the URL location of the Informatica Administrator home page.

Step 9. Configure Connectivity

Optionally, install the database client software and configure connectivity to connect to a relational database.

Step 10. Log in to Informatica

Log in to Informatica Administrator and Informatica Developer.

PowerCenter Express Pre-Upgrade Checklist

Perform the pre-upgrade tasks before you upgrade PowerCenter Express.

Step 1. Extract the Installer Files

1. Download the PowerCenter Express installer .zip file from Informatica Marketplace.
2. Save the file to a directory on your machine.
3. Use a zip utility to extract the installer files to a directory on your machine.
4. On Windows, verify that the length of the entire installation directory path, including the .zip file name, is 60 characters or less.
5. Write down the directory location.

Step 2. Verify the Host Name

Verify that machine host name does not contain the underscore (_) character.

Step 3. Shut down the Domain

Shut down the domain of the PowerCenter Express instance that you want to upgrade.

In the Administrator tool, click the Domain tab and select the domain in the Navigator. On the Domain tab, click **Actions > Shutdown Domain**.

Step 4. Determine the PowerCenter Express Upgrade Directory

Write down the PowerCenter Express installation location you want to upgrade (Default is `C:\Informatica\PCExpress`).

Step 5. Determine the Domain Administrator User Password

Write down the user password of the domain administrator. The PowerCenter Express services upgrade fails if you specify an incorrect password.

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