



Informatica®  
10.5.1

# Enterprise Data Preparation Upgrade Guide

This software and documentation are provided only under a separate license agreement containing restrictions on use and disclosure. No part of this document may be reproduced or transmitted in any form, by any means (electronic, photocopying, recording or otherwise) without prior consent of Informatica LLC.

U.S. GOVERNMENT RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation is subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License.

Informatica, the Informatica logo, Intelligent Data Lake, and Enterprise Information Catalog are trademarks or registered trademarks of Informatica LLC in the United States and many jurisdictions throughout the world. A current list of Informatica trademarks is available on the web at <https://www.informatica.com/trademarks.html>. Other company and product names may be trade names or trademarks of their respective owners.

Portions of this software and/or documentation are subject to copyright held by third parties. Required third party notices are included with the product.

The information in this documentation is subject to change without notice. If you find any problems in this documentation, report them to us at [infa\\_documentation@informatica.com](mailto:infa_documentation@informatica.com).

Informatica products are warranted according to the terms and conditions of the agreements under which they are provided. INFORMATICA PROVIDES THE INFORMATION IN THIS DOCUMENT "AS IS" WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WITHOUT ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY OR CONDITION OF NON-INFRINGEMENT.

# Table of Contents

<b>Preface .....</b>	<b>5</b>
Informatica Resources. ....	5
Informatica Network. ....	5
Informatica Knowledge Base. ....	5
Informatica Documentation. ....	5
Informatica Product Availability Matrices. ....	6
Informatica Velocity. ....	6
Informatica Marketplace. ....	6
Informatica Global Customer Support. ....	6
 <b>Chapter 1: Upgrade Overview.....</b>	<b>7</b>
Upgrading to Enterprise Data Preparation version 10.5.1. ....	7
Upgrade Process. ....	7
 <b>Chapter 2: Before You Upgrade.....</b>	<b>9</b>
Back Up the Installation. ....	9
Upgrade the Domain Services. ....	9
 <b>Chapter 3: Upgrade Enterprise Data Preparation.....</b>	<b>10</b>
Upgrade the Enterprise Data Preparation Binaries. ....	10
Upgrade the Application Services. ....	11
Upgrade the Data Preparation Repository. ....	11
Upgrade the Enterprise Data Preparation Service. ....	11
 <b>Chapter 4: Hotfix Installation and Rollback.....</b>	<b>13</b>
Hotfix Installation and Rollback Overview. ....	13
Applying the Services Hotfix. ....	14
Before You Apply the Hotfix. ....	14
Apply the HotFix in Console Mode. ....	14
Apply the HotFix in Silent Mode. ....	15
Applying the Client Hotfix. ....	17
Apply the HotFix Client in Graphical Mode. ....	17
Apply the HotFix Client in Silent Mode. ....	17
Rolling Back the Services Hotfix. ....	18
Before You Roll Back the Hotfix. ....	18
Roll Back the Hotfix in Console Mode. ....	19
Roll Back the Hotfix in Silent Mode. ....	19
After You Roll Back the Hotfix. ....	21
Rolling Back the Client Hotfix. ....	21
Roll Back HotFix Client in Graphical Mode. ....	21

Roll Back the HotFix Client in Silent Mode. . . . .	22
Sample Silent Input Properties (Server). . . . .	23
Sample Silent Input Properties (Client). . . . .	24

# Preface

Follow the instructions in the *Enterprise Data Preparation Upgrade Guide* to upgrade Enterprise Data Preparation. The guide also includes information on prerequisite tasks and post upgrade tasks that you need to perform to complete the upgrade. Unless otherwise noted, the upgrade path includes hotfixes and service packs.

## Informatica Resources

Informatica provides you with a range of product resources through the Informatica Network and other online portals. Use the resources to get the most from your Informatica products and solutions and to learn from other Informatica users and subject matter experts.

### Informatica Network

The Informatica Network is the gateway to many resources, including the Informatica Knowledge Base and Informatica Global Customer Support. To enter the Informatica Network, visit <https://network.informatica.com>.

As an Informatica Network member, you have the following options:

- Search the Knowledge Base for product resources.
- View product availability information.
- Create and review your support cases.
- Find your local Informatica User Group Network and collaborate with your peers.

### Informatica Knowledge Base

Use the Informatica Knowledge Base to find product resources such as how-to articles, best practices, video tutorials, and answers to frequently asked questions.

To search the Knowledge Base, visit <https://search.informatica.com>. If you have questions, comments, or ideas about the Knowledge Base, contact the Informatica Knowledge Base team at [KB\\_Feedback@informatica.com](mailto:KB_Feedback@informatica.com).

### Informatica Documentation

Use the Informatica Documentation Portal to explore an extensive library of documentation for current and recent product releases. To explore the Documentation Portal, visit <https://docs.informatica.com>.

If you have questions, comments, or ideas about the product documentation, contact the Informatica Documentation team at [infa\\_documentation@informatica.com](mailto:infa_documentation@informatica.com).

## Informatica Product Availability Matrices

Product Availability Matrices (PAMs) indicate the versions of the operating systems, databases, and types of data sources and targets that a product release supports. You can browse the Informatica PAMs at <https://network.informatica.com/community/informatica-network/product-availability-matrices>.

## Informatica Velocity

Informatica Velocity is a collection of tips and best practices developed by Informatica Professional Services and based on real-world experiences from hundreds of data management projects. Informatica Velocity represents the collective knowledge of Informatica consultants who work with organizations around the world to plan, develop, deploy, and maintain successful data management solutions.

You can find Informatica Velocity resources at <http://velocity.informatica.com>. If you have questions, comments, or ideas about Informatica Velocity, contact Informatica Professional Services at [ips@informatica.com](mailto:ips@informatica.com).

## Informatica Marketplace

The Informatica Marketplace is a forum where you can find solutions that extend and enhance your Informatica implementations. Leverage any of the hundreds of solutions from Informatica developers and partners on the Marketplace to improve your productivity and speed up time to implementation on your projects. You can find the Informatica Marketplace at <https://marketplace.informatica.com>.

## Informatica Global Customer Support

You can contact a Global Support Center by telephone or through the Informatica Network.

To find your local Informatica Global Customer Support telephone number, visit the Informatica website at the following link:

<https://www.informatica.com/services-and-training/customer-success-services/contact-us.html>.

To find online support resources on the Informatica Network, visit <https://network.informatica.com> and select the eSupport option.

# CHAPTER 1

## Upgrade Overview

This chapter includes the following topics:

- [Upgrading to Enterprise Data Preparation version 10.5.1, 7](#)
- [Upgrade Process, 7](#)

## Upgrading to Enterprise Data Preparation version 10.5.1

You can upgrade Enterprise Data Preparation to Enterprise Data Preparation version 10.5.1.

You can upgrade Enterprise Data Preparation to the current version from Enterprise Data Preparation 10.4.0 including service packs and hotfixes.

If you are on a version prior to 10.4.0, you need to upgrade to 10.4.0 and then upgrade to 10.5.1.

You use the Informatica installer to upgrade to the latest version. The installer detects whether the Informatica services, Enterprise Data Catalog, or Enterprise Data Preparation are installed on the node. The installer then upgrades the binaries on the node to the latest binaries.

## Upgrade Process

You use the Informatica installer, Informatica Administrator (the Administrator tool), and infacmd to upgrade to Enterprise Data Preparation 10.5.1.

Perform the following steps to upgrade to the latest version:

1. Run the installer to upgrade the Enterprise Data Preparation binaries to Enterprise Data Preparation version 10.5.1.
2. Use the Administrator tool to upgrade the Informatica application services.
3. Use the Administrator tool to upgrade the Data Preparation repository.
4. Use the Administrator tool to enable and upgrade the Enterprise Data Preparation Service.

The installer migrates Enterprise Data Catalog resources configured for the installed version, including Hive scanners and HDFS scanners, to Enterprise Data Preparation version 10.5.1. You can view the migrated catalog resources in the Lake Management page in the Enterprise Data Preparation application.

For more information on managing catalog resources in Enterprise Data Preparation, see the *Enterprise Data Preparation Administrator Guide*.

## CHAPTER 2

# Before You Upgrade

This chapter includes the following topics:

- [Back Up the Installation, 9](#)
- [Upgrade the Domain Services, 9](#)

## Back Up the Installation

Informatica recommends that you back up the service metadata, repositories, and storage locations associated with your current installation before you upgrade.

Back up the following application services, repositories, and storage locations associated with Enterprise Data Preparation:

- Back up the Model repository associated with the Enterprise Data Preparation Service.
- Document the configuration details for the Hive scanners and HDFS scanners configured in the catalog.
- Back up the MySQL database or Oracle database used as the Data Preparation repository.
- Back up the Interactive Data Preparation Service durable storage location on HDFS.
- Back up the Enterprise Data Catalog data using the export utility to restore it after a successful upgrade.

You might also need to back up the following:

- If rules are configured for the Interactive Data Preparation Service, back up the rules metadata.

For more information, see "Backing Up and Restoring Enterprise Data Preparation" in the *Informatica Enterprise Data Preparation Administrator Guide*.

## Upgrade the Domain Services

Before you upgrade Enterprise Data Preparation, upgrade the domain services.

**Note:** Before you upgrade the domain services, make sure that you have at least one custom property set for the Data Preparation service. If you do not have any custom property, set a dummy custom property and remove the property after the upgrade is complete. For example, you can set `CustomOptions.disableUserTablePermissionCheck = true` as the dummy custom property.

For more information, see the *Upgrading from Version 10.4 (10.5.1) Data Engineering* upgrade guide.

## CHAPTER 3

# Upgrade Enterprise Data Preparation

This chapter includes the following topics:

- [Upgrade the Enterprise Data Preparation Binaries, 10](#)
- [Upgrade the Application Services, 11](#)
- [Upgrade the Data Preparation Repository, 11](#)
- [Upgrade the Enterprise Data Preparation Service, 11](#)

## Upgrade the Enterprise Data Preparation Binaries

Use the installer to upgrade the binaries on a node to Enterprise Data Preparation 10.5.1.

The installer shuts down the domain before starting the upgrade process. After the upgrade completes, the installer starts the services within the domain.

1. Log in to the node host machine with a system user account.
2. On a shell command line, run the `install.sh` file from the root directory.  
The installer displays the message for documentation and copyright information.
3. Press **2** to upgrade the Informatica Data Engineering products installed on the node.
4. Press **2** to upgrade the Informatica services.
5. Press **2** to accept the terms and conditions.
6. Enter the current application installation directory.
7. Enter the directory path where you want to install the Enterprise Data Preparation 10.5.1 binaries.  
The path must not contain spaces or the following special characters: `@|* $ # ! % ( ) { } [ ] , ; ' .`
8. Choose whether to change the node host name, port numbers, or domain configuration repository database during the upgrade.
  - Select **1** to change the node host name, port numbers, or domain configuration repository database during the upgrade.  
If you select this option, you can change the configuration. If you are upgrading to a different machine, you can change the node configuration to match the new machine.
  - Select **2** to retain the current node host name, port numbers, and domain configuration repository database.

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

The installer copies the Enterprise Data Preparation binaries to the upgrade directory. The installer reads information from the previous version and configures Enterprise Data Preparation based on the configuration for the previous version. It does not modify the files of the previous version.

10. Enter the path to the directory containing the site key for the domain.

You must also enter the domain administrator user name and password.

The Post-upgrade Summary indicates whether the upgrade completed successfully. The summary also shows the status of the upgraded components and their configuration.

The installer generates an Informatica\_10.5.1\_Services\_Upgrade\_<datetime>.log file in the Informatica installation directory. If any issues occur during the upgrade, check the upgrade log file for details.

## Upgrade the Application Services

Use the upgrade wizard in the Administrator tool to upgrade the Model Repository Service, the Data Integration Service, and the Content Management Service associated with Enterprise Data Preparation.

After the upgrade completes, the installer starts the services within the domain. You must wait for each service to start before you can upgrade the service.

1. In the Administrator tool header, select **Manage > Upgrade**.
2. Select the Model Repository Service, the Data Integration Service, and the Content Management Service in the wizard panel.

3. Click **Next**.

The Administrator tool upgrades the selected services, and displays the status of the upgrade.

4. Click **Close** after the upgrade completes.

## Upgrade the Data Preparation Repository

Upgrade the Data Preparation repository and enable the Interactive Data Preparation Service.

1. In the Administrator tool header, click the **Services and Nodes** view.
2. Select the Data Preparation Service.
3. In the **Properties** tab, select **Actions > Upgrade Repository**.
4. After the upgrade process completes, click **Actions > Enable Service** to start the service.

## Upgrade the Enterprise Data Preparation Service

Upgrade the Enterprise Data Preparation Service to complete the upgrade process.

You must also modify the Java Command Line Options property in the Enterprise Data Preparation Service before you upgrade.

**Note:** If you attempt to upgrade the service by selecting **Actions > Upgrade** in the **Properties** tab, the upgrade fails.

1. In the Administrator tool, click **Manage > Services and Nodes**.
2. In the Domain Navigator, select the Enterprise Data Preparation Service.
3. Click the **Processes** tab.
4. Under **Advanced Options**, add the following argument in the Java Command Line Options property:  
`-Dfile.encoding=UTF-8`
5. Click **Actions > Enable Service** to start the service.
6. In the upper right of the Administrator tool header, click **Manage > Upgrade**.
7. Select the Enterprise Data Preparation Service.
8. Click **Next**. The service upgrade wizard upgrades this service and associated database and displays the status and processing details.
9. When the upgrade completes, the Summary section displays the list of application services and their upgrade status. Click each service to view the upgrade details in the Service Details section.
10. Click **Close** after the upgrade completes.

## CHAPTER 4

# Hotfix Installation and Rollback

This chapter includes the following topics:

- [Hotfix Installation and Rollback Overview, 13](#)
- [Applying the Services Hotfix, 14](#)
- [Applying the Client Hotfix, 17](#)
- [Rolling Back the Services Hotfix, 18](#)
- [Rolling Back the Client Hotfix, 21](#)
- [Sample Silent Input Properties \(Server\), 23](#)
- [Sample Silent Input Properties \(Client\), 24](#)

## Hotfix Installation and Rollback Overview

Informatica 10.5.1 is a hotfix release that you apply to version 10.5. When you apply the hotfix, the installer backs up existing directories, installs the new version of the product, and restores or updates required configuration and run-time files.

Informatica provides installers to apply hotfixes to the Informatica services and clients.

To apply or roll back the Informatica hotfix, perform the following steps:

1. Complete the preliminary tasks. Before you apply or rollback the hotfix, ensure that you shut down the domain. For a multi-node configuration, you also need to shut down all the nodes.
2. Apply or roll back the hotfix to the Informatica services in console or silent mode.
3. Complete the final tasks for the Informatica services. After you install the server components, start the domain on the gateway node.
4. Apply the hotfix to the Informatica clients in graphical or silent mode. If you are applying the hotfix to Informatica Developer, verify that the Informatica client hotfix version matches the Informatica services hotfix version.

**Note:** If the Informatica client hotfix version does not match the Informatica services hotfix version, Informatica Developer cannot connect to the domain.

When you roll back a hotfix, the installer restores Informatica to the previously installed version.

# Applying the Services Hotfix

Run the 10.5.2 installer to apply the hotfix to version 10.5 or 10.5.1.

## Before You Apply the Hotfix

Complete the pre-upgrade tasks before you apply a hotfix.

1. Open the `<Informatica installation directory>/version.txt` file in a text editor.
2. Verify the following parameters in the file:
  - The `INTERNAL_CLUSTER` property is set to 1
  - The `EXTERNAL_CLUSTER` property is set to 0
  - The `LDM_VERSION` property is set to 10.5 or 10.5.1
3. Download the hotfix package for your platform.
4. Untar the contents of the hotfix package.

**Note:** Use the native tar or GNU tar command to extract the installer files. The user that runs the installer must have read and write permissions on the directory that contains the installer files and execute permissions on `install.sh`.
5. Stop all processes that access the installation directory and subdirectories, including command prompts and command line programs.
6. Close the Informatica clients on all machines where you want to apply the hotfix.
7. Close the Informatica directory and the subdirectories.
8. Back up the repository and warehouse files. Ensure that you back up the required repositories from the Administrator tool. These backup files are required if you roll back the hotfix. Back up the following databases and files in your environment:
  - Domain
  - Model repository
  - Catalog
  - Durable Storage of Data Preparation Service
9. Stop the Informatica services on all nodes in the domain.
10. If the machine uses HTTPS to connect to Informatica Administrator, verify that the keystore file is in the default location and that it uses the default file name. The default location for the keystore file is `<Informatica installation directory>/tomcat/conf`. The default file name for the keystore file is `Default.keystore`.

## Apply the HotFix in Console Mode

When you apply the hotfix in console mode, the words Help, Quit, and Back are reserved words. Do not use them as input text.

1. Log in to the machine with a system user account. The user account must be the same account used to install the previous version of Informatica services.
2. Close all other applications.
3. On a shell command line, run the `install.sh` file located in the root directory.

The installer displays a message to verify that the locale environment variables are set.

4. Verify that the environment variables are set.
  - If the environment variables are not set, enter **N** to exit the installer and set them as required.
  - If the environment variables are set, enter **Y** to continue.
5. Enter the option to apply the hotfix to Informatica 10.5 or 10.5.1.
6. Enter **0** to apply the hotfix.
7. Read the terms and conditions for Informatica installation and the product usage toolkit and select **I agree to the terms and conditions**.

Subject to your opt-out rights described below, the software will automatically transmit to Informatica in the USA information about the computing and network environment in which the Software is deployed and the data usage and system statistics of the deployment. This transmission is deemed part of the Services under the Informatica privacy policy and Informatica will use and otherwise process this information in accordance with the Informatica privacy policy available at <https://www.informatica.com/in/privacy-policy.html>. You may disable usage collection in Administrator tool.

- Press **1** to quit.
  - Press **2** to continue.
8. Verify that all installation requirements are met before you continue to apply the hotfix.
  9. Press **Enter**.
  10. Enter the absolute path for the directory in which the current version of the Informatica services is installed or press Enter to use the default directory.  
  
The directory names in the path must not contain spaces or the following special characters: @|\* \$ # ! % ( ) { } [ ] , ; ' .  
  
11. Specify the environment type associated with the Informatica services installation.
    - Press **1** to set Sandbox environment for a basic environment used for proof of concept with minimal users.
    - Press **2** to set Development environment for the design environment.
    - Press **3** to set Test environment for high volume processing that is closest to a production environment.
    - Press **4** to set Production environment for high volume processing with high levels of concurrency meant for end users. Advanced production environments are typically multi-node setups.

Default is 1 for Sandbox.
  12. Press **Enter**.
  13. Review the installation information, and press **Enter** to apply the hotfix.  
  
The installer copies the Informatica files to the installation directory.
  14. Complete the post-installation tasks. Verify that the hotfix completed successfully by reviewing the log file or the **Post-Installation Summary** page.

## Apply the HotFix in Silent Mode

To apply the hotfix in the silent mode, create the SilentInput.properties file and then run the installer with the file.

Informatica provides a sample properties file, called SilentInput\_hotFix.properties, that includes the parameters that are required by the installer.

The properties file is the same for both the Informatica services hotfix and Informatica client hotfix.

1. Go to the root of the directory that contains the installation files.
2. Locate the SilentInput\_HotFix.properties file.
3. Back up the file before you modify it.
4. Use a text editor to open the file and modify the values. The following table describes the installation properties that you can modify:

Property Name	Description
INSTALL_TYPE	Indicates whether to apply the hotfix or roll back the hotfix. If the value is 0, the installer applies the hotfix to the current Informatica installation. If the value is 1, the installer rolls back the current hotfix.
USER_INSTALL_DIR	Directory for the Informatica installation on which to apply or roll back the hotfix.  To apply the hotfix to the Informatica services, enter the absolute path for the directory in which the current version of the Informatica services is installed.  To roll back the hotfix, enter the absolute path for the directory in which the current version of the Informatica services or clients is installed.
ENABLE_USAGE_COLLECTION	Enables the software to automatically transmit to Informatica in the USA information about the computing and network environment in which the Software is deployed and the data usage and system statistics of the deployment. This transmission is deemed part of the Services under the Informatica privacy policy and Informatica will use and otherwise process this information in accordance with the Informatica privacy policy available at <a href="https://www.informatica.com/in/privacy-policy.html">https://www.informatica.com/in/privacy-policy.html</a> . You may disable usage collection in Administrator tool. For more information about how to disable sending usage statistics, see the <i>Informatica Administrator Guide</i> .  You must set the value to 1 to apply the hotfix.
INSTALLATION_ENVIRONMENT	If you apply the hotfix, specify the environment type associated with the Informatica services installation.  <ul style="list-style-type: none"> <li>• Press <b>1</b> to set Sandbox environment for a basic environment used for proof of concept with minimal users.</li> <li>• Press <b>2</b> to set Development environment for the design environment.</li> <li>• Press <b>3</b> to set Test environment for high volume processing that is closest to a production environment.</li> <li>• Press <b>4</b> to set Production environment for high volume processing with high levels of concurrency meant for end users. Advanced production environments are typically multi-node setups.</li> </ul> Default is 1 for Sandbox.

5. Save the properties file with the name SilentInput.properties.
6. Open a command window.
7. Go to root of the server or client installer directory.
8. Verify that the directory contains the SilentInput.properties file that you edited and saved.
9. Begin the installation from Windows, UNIX, or Linux.
  - To apply the hotfix on Windows, run the silentInstallHotFix.bat as administrator. To run the file as administrator, right-click the file and select **Run as administrator**.
  - To apply the hotfix on UNIX or Linux, double-click the silentInstallHotFix.sh.

The installer copies the Informatica files to the installation directory.

10. Complete the post-installation tasks. Verify that the hotfix completed successfully by reviewing the log file or the **Post-Installation Summary** page.

## Applying the Client Hotfix

Run the 10.5.2 installer to apply the hotfix to version 10.5 or 10.5.1.

### Apply the HotFix Client in Graphical Mode

When you run the installer in graphical mode, a console window opens and runs in the background. If you close this window, the installation stops.

1. Log in to the machine with a system user account. The user account must be the same account used to install the previous version of Informatica services.
2. Close all other applications.
3. To begin the installation on Windows, run `install.bat` from the root directory where you unzipped or untarred the hotfix installation package.
4. On the Informatica 10.5.1 page, select **Apply hotfix to Informatica 10.5 or roll back the hotfix.**, and then click **Start**.

The **Installation Type** page appears.

5. To apply the hotfix, select **Apply the hotfix**.
6. Read the terms and conditions of Informatica product usage toolkit and select **I agree to the terms and conditions**, and then click **Next**.

Subject to your opt-out rights described below, the software will automatically transmit to Informatica in the USA information about the computing and network environment in which the Software is deployed and the data usage and system statistics of the deployment. This transmission is deemed part of the Services under the Informatica privacy policy and Informatica will use and otherwise process this information in accordance with the Informatica privacy policy available at <https://www.informatica.com/in/privacy-policy.html>. You may disable usage collection in Administrator tool.

The **Installation Prerequisites** page appears.

7. Verify that all requirements are met before you continue the hotfix, and then click **Next**.

The **Installation Directory** page appears.

8. Enter the absolute path for the directory in which the current version of the Informatica services is installed, specify the installation environment, and then click **Next**.

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

9. Review the installation information, and then click **Install** to apply the hotfix.

The installer copies the Informatica files to the installation directory.

10. Complete the post-installation tasks. Verify that the hotfix completed successfully by reviewing the log file or the **Post-Installation Summary** page.

### Apply the HotFix Client in Silent Mode

To apply the hotfix in silent mode, create the `SilentInput.properties` file and then run the installer with the file.

Informatica provides a sample properties file, called `SilentInput_hotFix.properties`, that includes the parameters that are required by the installer.

1. Go to the root of the directory that contains the installation files.
2. Find the `SilentInput_HotFix.properties` file.
3. Back up the file before you modify it.
4. Use a text editor to open the file and modify the values. The following table describes the installation properties that you can modify:

Property Name	Description
INSTALL_TYPE	Indicates whether to apply the hotfix or roll back the hotfix. If the value is 0, the installer applies the hotfix to the current Informatica client installation. If the value is 1, the installer rolls back the current hotfix.
USER_INSTALL_DIR	Directory for the Informatica installation on which to apply or roll back the hotfix. To apply the hotfix to the Informatica clients, enter the absolute path for the directory in which the current version of the Informatica clients is installed. To roll back the hotfix, enter the absolute path for the directory in which the current version of the Informatica clients is installed.

5. Save the properties file with the name `SilentInput.properties`.
6. Go to root of the client installer directory.
7. Verify that the directory contains the `SilentInput.properties` file that you edited and saved.
8. To apply the hotfix, double-click the `silentInstallHotFix.bat`.  
The installer copies the Informatica files to the installation directory.
9. Complete the post-installation tasks. Verify that the hotfix completed successfully by reviewing the log file or the **Post-Installation Summary** page.

## Rolling Back the Services Hotfix

You can roll back the hotfix if required. To roll back the hotfix, perform the required prerequisite tasks and then run the installer.

### Before You Roll Back the Hotfix

Before you run the installer to roll back the hotfix, you must perform the prerequisite tasks.

1. Stop all processes that access the installation directory and subdirectories, including command prompts and command line programs.
2. Close the Informatica clients on all machines where you want to roll back the hotfix.
3. Close the Informatica directory and the subdirectories.
4. Stop the Informatica services on all nodes in the domain.
5. If the machine uses HTTPS to connect to Informatica Administrator, verify that the keystore file is in the default location and that it uses the default file name. The default location for the keystore file is `<Informatica installation directory>/tomcat/conf`. The default file name for the keystore file is `Default.keystore`.

## Roll Back the Hotfix in Console Mode

When you roll back the hotfix in console mode, the words Help, Quit, and Back are reserved words. Do not use them as input text.

1. Log in to the machine with a system user account. The user account must be the same account used to install the previous version of Informatica services or client.
2. Close all other applications.
3. On a shell command line, run the install.sh file located in the root directory.

The installer displays a message to verify that the locale environment variables are set.

4. Verify that the environment variables are set.
  - If the environment variables are not set, enter **N** to exit the installer and set them as required.
  - If the environment variables are set, enter **Y** to continue.
5. Enter the option to roll back the hotfix.
6. Enter **1** to roll back the hotfix.

7. Read the terms and conditions for Informatica installation and the product usage toolkit and select **I agree to the terms and conditions**.

Subject to your opt-out rights described below, the software will automatically transmit to Informatica in the USA information about the computing and network environment in which the Software is deployed and the data usage and system statistics of the deployment. This transmission is deemed part of the Services under the Informatica privacy policy and Informatica will use and otherwise process this information in accordance with the Informatica privacy policy available at <https://www.informatica.com/in/privacy-policy.html>. You may disable usage collection in Administrator tool.

- Press **1** to quit.
  - Press **2** to continue.
8. Verify that all installation requirements are met before you continue to roll back the hotfix.
  9. Press **Enter**.
  10. Enter the absolute path for the directory in which the current version of the Informatica services is installed or press Enter to use the default directory.

The directory names in the path must not contain spaces or the following special characters: @|\* \$ # ! % (){} [] , ; ' .
  11. Press **Enter**.
  12. Review the installation information, and press **Enter** to roll back the hotfix.

The installer removes the hotfix and restores Informatica to the previous version.
  13. Complete the post-installation tasks. Verify that the rollback completed successfully by reviewing the log file or the **Post-Installation Summary** page.

## Roll Back the Hotfix in Silent Mode

To roll back the hotfix in the silent mode, create the SilentInput.properties file and then run the installer with the file.

Informatica provides a sample properties file, called SilentInput\_hotFix.properties, that includes the parameters that are required by the installer.

The properties file is the same for both the Informatica services hotfix and Informatica client hotfix.

1. Go to the root of the directory that contains the installation files.

2. Locate the SilentInput\_HotFix.properties file.
3. Back up the file before you modify it.
4. Use a text editor to open the file and modify the values. The following table describes the installation properties that you can modify:

Property Name	Description
INSTALL_TYPE	Indicates whether to apply the hotfix or roll back the hotfix. If the value is 0, the installer applies the hotfix to the current Informatica installation. If the value is 1, the installer rolls back the current hotfix.
USER_INSTALL_DIR	Directory for the Informatica installation on which to apply or roll back the hotfix.  To apply the hotfix to the Informatica services, enter the absolute path for the directory in which the current version of the Informatica services is installed.  To roll back the hotfix, enter the absolute path for the directory in which the current version of the Informatica services or clients is installed.
ENABLE_USAGE_COLLECTION	Enables the software to automatically transmit to Informatica in the USA information about the computing and network environment in which the Software is deployed and the data usage and system statistics of the deployment. This transmission is deemed part of the Services under the Informatica privacy policy and Informatica will use and otherwise process this information in accordance with the Informatica privacy policy available at <a href="https://www.informatica.com/in/privacy-policy.html">https://www.informatica.com/in/privacy-policy.html</a> . You may disable usage collection in Administrator tool. For more information about how to disable sending usage statistics, see the <i>Informatica Administrator Guide</i> .  You must set the value to 1 to apply the hotfix.
INSTALLATION_ENVIRONMENT	If you apply the hotfix, specify the environment type associated with the Informatica services installation.  <ul style="list-style-type: none"> <li>• Press <b>1</b> to set Sandbox environment for a basic environment used for proof of concept with minimal users.</li> <li>• Press <b>2</b> to set Development environment for the design environment.</li> <li>• Press <b>3</b> to set Test environment for high volume processing that is closest to a production environment.</li> <li>• Press <b>4</b> to set Production environment for high volume processing with high levels of concurrency meant for end users. Advanced production environments are typically multi-node setups.</li> </ul> Default is 1 for Sandbox.

5. Save the properties file with the name SilentInput.properties.
6. Open a command window.
7. Go to root of the server or client installer directory.
8. Verify that the directory contains the SilentInput.properties file that you edited and saved.
9. Begin the roll back from Windows, UNIX, or Linux.
  - To roll back the hotfix on Windows, run the silentInstallHotFix.bat as administrator. To run the file as administrator, right-click the file and select **Run as administrator**.
  - To roll back the hotfix on UNIX or Linux, double-click the silentInstallHotFix.sh.
The installer removes the last hotfix and restores the previous version of Informatica.
10. Complete the post-installation tasks. Verify that the rollback completed successfully by reviewing the log file or the **Post-Installation Summary** page.

## After You Roll Back the Hotfix

You can perform the following steps after you roll back the hotfix:

1. After the rollback is complete, start the Informatica domain.
2. Run the `infacmd mrs deleteContents` command to remove the Model repository contents.
3. Enable the Model Repository Service.
4. Run the `infacmd mrs RestoreContents` to restore the 10.5 Model repository content.
5. Enable the Data Integration Service.
6. Enable the Content Management Service.
7. Enable the Analyst Service.
8. Run the `infacmd ihs cleanCluster` command to clean the Informatica Cluster Service.
9. Enable the Informatica Cluster Service.
10. Run the `infacmd Idm restoreContents` command to restore the 10.5 catalog.
11. From the Informatica Administrator, remove any custom properties that you had configured for Catalog Service after you upgraded to version 10.5.1.
12. Enable the Catalog Service.

**Note:** After you roll back the hotfix, the installer retains the Data Asset Analytics configuration properties on the Catalog Service page when you view the Catalog Service in Informatica Administrator.

## Rolling Back the Client Hotfix

You can roll back the hotfix if required. To roll back the hotfix, perform the required prerequisite tasks and then run the installer.

### Roll Back HotFix Client in Graphical Mode

When you run the installer in graphical mode, a console window opens and runs in the background. If you close this window, the installation stops.

1. Log in to the machine with a system user account. The user account must be the same account used to install the previous version of Informatica services.
2. Close all other applications.
3. To begin the installation on Windows, run `install.bat` from the root directory where you unzipped or untarred the hotfix installation package.
4. On the Informatica 10.5.1 page, select **Apply hotfix to Informatica 10.5 or roll back the hotfix.**, and then click **Start**.

The **Installation Type** page appears.

5. To roll back the hotfix, select **Roll back the hotfix**.
6. Read the terms and conditions of Informatica product usage toolkit and select **I agree to the terms and conditions**, and then click **Next**.

Subject to your opt-out rights described below, the software will automatically transmit to Informatica in the USA information about the computing and network environment in which the Software is deployed and the data usage and system statistics of the deployment. This transmission is deemed part of the

Services under the Informatica privacy policy and Informatica will use and otherwise process this information in accordance with the Informatica privacy policy available at <https://www.informatica.com/in/privacy-policy.html>. You may disable usage collection in Administrator tool.

The **Installation Prerequisites** page appears.

7. Verify that all requirements are met before you continue the rollback, and then click **Next**.

The **Installation Directory** page appears.

8. Enter the absolute path for the directory in which the current version of the Informatica services is installed, specify the installation environment, and then click **Next**.

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

9. Review the installation information, and then click **Install** to roll back the hotfix.

The installer removes the last hotfix and restores Informatica to the previous version.

10. Complete the post-installation tasks. Verify that the rollback completed successfully by reviewing the log file or the **Post-Installation Summary** page.

## Roll Back the HotFix Client in Silent Mode

To roll back the hotfix in silent mode, create the SilentInput.properties file and then run the installer with the file.

Informatica provides a sample properties file, called SilentInput\_hotFix.properties, that includes the parameters that are required by the installer. The following example shows the contents of the file:

1. Go to the root of the directory that contains the installation files.
2. Find the SilentInput\_HotFix.properties file.
3. Back up the file before you modify it.
4. Use a text editor to open the file and modify the values. The following table describes the installation properties that you can modify:

Property Name	Description
INSTALL_TYPE	Indicates whether to apply the hotfix or roll back the hotfix. If the value is 0, the installer applies the hotfix to the current Informatica client installation. If the value is 1, the installer rolls back the current hotfix.
USER_INSTALL_DIR	Directory for the Informatica installation on which to apply or roll back the hotfix. To apply the hotfix to the Informatica clients, enter the absolute path for the directory in which the current version of the Informatica clients is installed. To roll back the hotfix, enter the absolute path for the directory in which the current version of the Informatica clients is installed.

5. Save the properties file with the name SilentInput.properties.
6. Go to root of the client installer directory.
7. Verify that the directory contains the SilentInput.properties file that you edited and saved.
8. To roll back the hotfix, double-click the silentInstallHotFix.bat.  
The installer removes the last hotfix and restores the previous version of Informatica.
9. Complete the post-installation tasks. Verify that the rollback completed successfully by reviewing the log file or the **Post-Installation Summary** page.

# Sample Silent Input Properties (Server)

The following example shows the contents of the `SilentInput.properties` file when you apply or roll back the hotfix in silent mode.

```
#####
# Informatica Installer Build Details
# Copyright (c) 1993-2021 Informatica LLC
# This software contains confidential and proprietary
# information of Informatica LLC.
# All Rights Reserved.
#####

# Use the following guidelines when editing this file
# * Use this file to install without user interaction.
# * After you create the properties file, save the file with the name
SilentInput.properties
# * Any error condition that leads to failure, such as an invalid
# installation directory, generates a log file in the user home directory.
# For example: c:\silentErrorLog<time_stamp>.log

#####

# Set ENABLE_USAGE_COLLECTION to 1 to accept the product usage toolkit end user license
# agreement.
# You must set the value as 1 to install the Informatica platform.
# The product usage toolkit end user license agreement is available at: http://
www.informatica.com/us/eula/en-support-eula.aspx.
# As further described in the EULA, your use of the Informatica platform will enable the
# product usage toolkit
# to collect certain product usage and failure information. You may disable this feature
# at any time.
# For more information on how to disable this feature refer the Informatica
Administrator Guide.

ENABLE_USAGE_COLLECTION=0

## *INSTALL_TYPE - Set this value to '0' to apply the hotfix. Set this value to '1' to
roll back the hotfix.

INSTALL_TYPE=0

# * The USER_INSTALL_DIR variable must point to a valid directory with write
# permissions enabled.

USER_INSTALL_DIR=c:\Informatica\10.5

#The INSTALLATION_ENVIRONMENT property represents the installation environment
# Set the property to one of the following installation environment types: Sandbox,
Development, Test, or Production. Values are case-sensitive.
# Set to Sandbox for a basic environment used for proof of concept with minimal
users.
# Set to Development for the design environment.
# Set to Test for high volume processing that is closest to a production environment.
# Set to Production for high volume processing with high levels of concurrency meant for
end users. Advanced production environments are typically multi-node setups.

INSTALLATION_ENVIRONMENT=
```

# Sample Silent Input Properties (Client)

The following example shows the contents of the `SilentInput.properties` file when you apply or roll back the hotfix client in silent mode.

```
#####
# Informatica Installer Build Details
# Copyright (c) 1993-2021 Informatica LLC
# This software contains confidential and proprietary
# information of Informatica LLC.
# All Rights Reserved.
#####

# Use the following guidelines when editing this file
# * Use this file to install without user interaction.
# * After you create the properties file, save the file with the name
SilentInput.properties
# * Any error condition that leads to failure, such as an invalid
# installation directory, generates a log file in the user home directory.
# For example: c:\silentErrorLog<time_stamp>.log

#####

#####
## *INSTALL_TYPE - Set this value to '0' to apply the hotfix. Set this value to '1' to
roll back the hotfix.

INSTALL_TYPE=0

# * The USER_INSTALL_DIR variable must point to a valid directory with write
# permissions enabled.

USER_INSTALL_DIR=c:\Informatica\10.5

#####
# After you create the properties file, save the file with the name
SilentInput.properties and
# run the silent installer to perform the Informatica client installation.
#####
```