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Read the *Informatica® Release Notes* to learn about known limitations and fixes associated with version 10.5.1. The Release Notes also include information about upgrade paths, EBFs, and limited support, such as technical preview or deferments.

## Support Changes

This section describes support changes in version 10.5.1.

### Technical Preview

Read this section to learn about technical preview functionality that is initiated or lifted in version 10.5.1.

#### Technical Preview Lifted

Effective in version 10.5.1, the following functionality is lifted from technical preview:

## Data Flow Analytics

You can use Data Flow Analytics to view analytical data about PowerCenter mappings in the catalog. You can use the data to improve the mapping quality and efficiency in your enterprise. You can also view mappings as diagrams for ease of understanding.

The analytical data includes details about the following mapping metrics:

- Similar mappings
- Duplicate mappings
- Reusable mapplets, transformations, and user functions for complex expressions

In addition, the data also includes the mapping group details and the mapping discovery details to provide additional insights into the mapping data. You can download the analytical data as reports for further analysis or enhance the reports using third-party reporting solutions.

For more information, see the *Enterprise Data Catalog 10.5.1 User Guide*.

## Dropped Support

Effective in version 10.5.1, Data Privacy Management dropped support for Cloudera Sentry and Hortonworks Ranger protection extensions. You cannot create or use the extensions to protect sensitive data.

For information about how to use protection extensions to protect sensitive data, see the Informatica Data Privacy Management User Guide.

For more information about the dropped support, contact Informatica Global Customer Support.

## Deprecation

Effective in version 10.5.1, the following functionality is deprecated:

Deprecated functionality is supported, but Informatica intends to drop support in a future release. Informatica requests that you to transition to different functionality before the functionality is dropped.

### Enterprise Data Catalog

Effective in 10.5.1, the following resources are deprecated:

- IBM InfoSphere DataStage
- Oracle Data Integrator

Deprecated functionality is supported, but Informatica intends to drop support in a future release. Informatica requests that you to transition to different functionality before the functionality is dropped.

Informatica suggests configuring advanced scanners for these sources in the Advanced Scanners tool before we drop support for the resources. When you create an advanced scanner, you can configure additional functionality such as embedded procedural calls and additional lineage detail.

# Installation and Upgrade

Read this section to learn about the installation and upgrade in version 10.5.1.

## Installation and Upgrade

Informatica version 10.5.1 is a hotfix release. You can apply the hotfix to 10.5.0, or you can upgrade from a supported release. You can run the Informatica installer to install 10.5.1 product installation binaries if these are not present in the machine where you run the installer.

Informatica version 10.5.1 supports PowerCenter, Informatica Data Quality, Data Engineering products, Catalog products, Data Privacy Management, and Test Data Management products as part of the unified installer. Test Data Management and Data Privacy Management require an upgrade of services in addition to applying the hotfix.

The hotfix instructions are the same, but the pre- and post-requisites are different for the products other than Data Engineering products, Data Quality, and PowerCenter. Refer to those individual upgrade guides for information.

## Upgrade Paths

The upgrade paths that you take depend on the products that you upgrade. If you are on a version that does not support a direct upgrade, you must first upgrade to a supported version.

The following table lists the upgrade paths for each product that the installer supports.

Product	Versions
PowerCenter	<p>You can upgrade to version 10.5.1 from the following versions including any hotfix and service pack:</p> <ul style="list-style-type: none"><li>- 10.1.1</li><li>- 10.2</li><li>- 10.4</li><li>- 10.4.1</li><li>- 10.5*</li></ul> <p><i>*To upgrade from version 10.5, apply the 10.5.1 hotfix.</i></p>
Informatica Data Quality	<p>You can upgrade to version 10.5.1 from the following versions including any hotfix and service pack:</p> <ul style="list-style-type: none"><li>- 10.1.1</li><li>- 10.2</li><li>- 10.4</li><li>- 10.4.1</li><li>- 10.5*</li></ul> <p><i>*To upgrade from version 10.5, apply the 10.5.1 hotfix.</i></p>

Product	Versions
Data Engineering Integration Data Engineering Quality	<p>You can upgrade to version 10.5.1 from the following versions including any hotfix and service pack:</p> <ul style="list-style-type: none"> <li>- 10.1.1</li> <li>- 10.2</li> <li>- 10.2.1</li> <li>- 10.2.2</li> <li>- 10.4</li> <li>- 10.4.1</li> <li>- 10.5*</li> </ul> <p><i>*To upgrade from version 10.5, apply the 10.5.1 hotfix.</i></p> <p><b>Important:</b> If Data Engineering is in the same domain as any other product supported by the Informatica installer, verify that all products are upgraded to the same supported upgrade version before you upgrade to 10.5.1.</p>
Data Engineering Streaming	<p>You can upgrade to version 10.5.1 from the following versions including any hotfix and service pack:</p> <ul style="list-style-type: none"> <li>- 10.2.2</li> <li>- 10.4</li> <li>- 10.4.1</li> <li>- 10.5*</li> </ul> <p><i>*To upgrade from version 10.5, apply the 10.5.1 hotfix.</i></p>
Data Privacy Management	<p>You can upgrade to version 10.5.1 from the following versions including any hotfix and service pack:</p> <ul style="list-style-type: none"> <li>- 10.4.1</li> <li>- 10.5*</li> </ul> <p><i>*To upgrade from version 10.5, apply the 10.5.1 hotfix.</i></p> <p><b>Important:</b> If Data Engineering, Enterprise Data Catalog, and Data Privacy Management are in the same domain of a version earlier than 10.4.1, upgrade them all to version 10.4.1 before you upgrade to 10.5.1.</p>
Enterprise Data Catalog	<p>You can upgrade to version 10.5.1 from the following versions including any service packs:</p> <ul style="list-style-type: none"> <li>- 10.4</li> <li>- 10.4.1</li> <li>- 10.5*</li> </ul> <p><i>*To upgrade from version 10.5, apply the 10.5.1 hotfix.</i></p> <p><b>Important:</b> If Enterprise Data Catalog and Data Engineering are in the same domain of a version earlier than 10.4, upgrade them both to version 10.4 or 10.4.1 before you upgrade to 10.5.1.</p>
Enterprise Data Preparation	<p>You can upgrade to version 10.5.1 from the following versions including any service packs:</p> <ul style="list-style-type: none"> <li>- 10.4</li> <li>- 10.4.1</li> <li>- 10.5*</li> </ul> <p><i>*To upgrade from version 10.5, apply the 10.5.1 hotfix.</i></p> <p><b>Important:</b> If Data Engineering, Enterprise Data Catalog, and Enterprise Data Preparation are in the same domain of a version earlier than 10.4, upgrade them all to version 10.4 or 10.4.1 before you upgrade to 10.5.1.</p>
Test Data Management	<p>You can apply the 10.5.1 hotfix to upgrade from version 10.5.</p>

## Libidn Installation Error on Azure

Informatica installation fails on Azure on RHEL 8 with the following error:

```
<Install_Path>/server/bin/libpmjrepn.so: libidn.so.11: cannot open shared object file: No such file or directory.]
```

Before you run the installer, work with your Linux administrator to install the libidn11 package on the machine where you run the Informatica installation.

(PLAT-29050)

## Enterprise Data Preparation and Catalog Services Issue in Silent Mode

When you try to create the Enterprise Data Catalog and Enterprise Data Preparation services on an existing domain in silent mode, the installer exits after creating the Informatica Cluster Service. The remaining services, such as the Enterprise Data Preparation and Catalog services are not created even though the status is marked as successful.

If you encounter this issue, create the remaining services in the Administrator tool.

(BDM-38726)

## Deployment Manager

The following table describes known issues that were found in 10.5.1:

Issue	Description
PLAT-29036	When you use Informatica Deployment Manager to deploy Enterprise Data Catalog or Data Quality from a Docker image that is built on CentOS version 8.x or RHEL version 8.x, data domains for the Content Management Service are not imported. Workaround: Use any supported operating system other than CentOS version 8.x and RHEL version 8.x to build the Docker image.
PLAT-28993	The option to configure application services with the default Informatica SSL certificate appears when you use a custom keystore file for the Administrator tool and a custom SSL certificate for the domain. When you configure a service to use the default SSL certificate, the service creation fails during product deployment. Workaround: Configure the application services to use the same custom SSL certificate that you used for the Administrator tool and domain.
EIC-57442	When you build a Docker image in Informatica Deployment Manager using an RHEL 8.4 image, the process fails with the following error: Error: Unable to find a match: csh traceroute telnet openssh-server kernel-devel libtirpc-devel. Workaround: Use any supported operating system other than RHEL version 8.x to build the Docker image.
EIC-57423	When you use Informatica Deployment Manager to run Enterprise Data Catalog from a Docker image on a multi-node custom SSL setup, the instance fails with the following error: [main] Caused by: com.informatica.pcsf.sslutils.HttpSSLException: [SSLUtil_0001] Internal error. Secure communication failed because of the following SSL error: /data1/Infa/VolDir/infra_truststore.jks (No such file or directory). Contact Informatica Global Customer Support.
EIC-57091	Informatica Deployment Manager does not validate the minimum disk space requirements when you use the quick deployment and run image functionalities to deploy Enterprise Data Catalog on Docker.

# Hotfix Installation and Rollback

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, applies the new version of the product, and restores or updates required configuration and run-time files.

Note that the following instructions apply to PowerCenter, Data Quality, and the Data Engineering products. To apply or roll back the hotfix for other products, refer to the individual upgrade guides for information.

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

To apply or roll back the Informatica hotfix on PowerCenter or Data Engineering Integration installer, 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 graphical, 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.

## Before You Apply or Roll Back the HotFix

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

1. Download the hotfix package for your platform.
2. Unzip or untar the contents of the hotfix package.

**Note:** On Windows, the length of the installation path, including the .zip file name, must be 60 characters or fewer. On UNIX, 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.
3. Stop all processes that access the installation directory and subdirectories, including command prompts and command line programs.
4. Close the Informatica clients on all machines where you want to apply or roll back the hotfix.
5. Close the Informatica directory and the subdirectories.
6. If you are applying a hotfix, 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:
  - PowerCenter repository

- Model repository
  - Metadata Manager imm.properties file
  - Metadata Manager warehouse
  - Data Transformation ServiceDB directory
7. Stop the Informatica services on all nodes in the domain.
  8. If you are applying a hotfix and 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`.
  9. Set the `SKIP_VENDOR_CHECK` environment variable to true to remove the sudo prompt from the hotfix installation on UNIX.
- Note:** If you don't have sudo privileges, set the environment variable to true before you apply or roll back a hotfix. If you have sudo privileges, you don't need to set the environment variable.

## Applying or Rolling Back the HotFix Services in Graphical Mode

When you apply the hotfix 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` as administrator from the root directory where you unzipped or untarred the hotfix package. To run the file as administrator, right-click `install.bat` and select **Run as administrator**.
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. Choose to apply or roll back the hotfix.
  - To apply a hotfix, select **Apply the hotfix**.
  - To roll back a 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 apply or roll back 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 or roll back the hotfix.  
If you are applying a hotfix, the installer copies the Informatica files to the installation directory. If you are rolling back a hotfix, the installer removes the hotfix and restores Informatica to the previous version.
10. Complete the post-installation tasks. Verify that the hotfix or rollback completed successfully by reviewing the log file or the **Post-Installation Summary** page.

## Applying or Rolling Back the HotFix Services 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 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 apply the hotfix to Informatica 10.5 or roll back the hotfix.
6. Choose to apply or roll back the hotfix.
  - Enter **1** to apply the hotfix.
  - Enter **2** 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 apply or 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. If you apply the hotfix, 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 or roll back the hotfix.  
  
If you are applying a hotfix, the installer copies the Informatica files to the installation directory. If you are rolling back a hotfix, the installer removes the hotfix and restores Informatica to the previous version.
14. Complete the post-installation tasks. Verify that the hotfix or rollback completed successfully by reviewing the log file or the **Post-Installation Summary** page.

## Applying or Rolling Back the HotFix Services 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.

- 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.

- Save the properties file with the name `SilentInput.properties`.
- Open a command window.
- Go to root of the server or client installer directory.
- Verify that the directory contains the `SilentInput.properties` file that you edited and saved.
- Begin the installation from Windows, UNIX, or Linux.
  - To apply or 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 apply or roll back the hotfix on UNIX or Linux, double-click the `silentInstallHotFix.sh`.

If you apply a hotfix, the installer copies the Informatica files to the installation directory. If you roll back a hotfix, the installer removes the last hotfix and restores the previous version of Informatica.
- Complete the post-installation tasks. Verify that the hotfix or rollback completed successfully by reviewing the log file or the **Post-Installation Summary** page.

## Applying or Rolling Back 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. Choose to apply the hotfix or roll back the installation.
  - To apply a hotfix, select **Apply the hotfix**.
  - To roll back a 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 hotfix or 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 apply or roll back the hotfix.

If you are applying a hotfix, the installer copies the Informatica files to the installation directory. If you are rolling back a hotfix, the installer removes the last hotfix and restores Informatica to the previous version.

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

## Applying or Rolling Back 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. The following example shows the contents of the file:

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 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 or roll back the hotfix on Windows, double-click the `silentInstallHotFix.bat`.  
If you apply a hotfix, the installer copies the Informatica files to the installation directory. If you roll back a hotfix, the installer removes the last hotfix and restores the previous version of Informatica.
9. Complete the post-installation tasks. Verify that the hotfix or 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.
#####
```

## After You Apply the Hotfix

After you apply the hotfix, you must complete the final tasks for the 10.5.1 product components.

### Metadata Access Service in a Kerberized environment

You cannot enable Metadata Access Service in a Kerberized Informatica domain.

Configure the Developer tool to connect to the Kerberized Hadoop cluster.

For more information, see the KB article [000145143](#).

(PLAT-29033)

## Download SAP Transports

Before you run the SAP BW, SAP BW/4HANA, and SAP S4/HANA scanners, download the compatible versions of the SAP transports and import them into the SAP server. The transports are located in the `SAP_Scanner_Binaries.zip` file that is downloaded from the Informatica installer location.

## Post-Installation Steps for the Python Transformation

To use the Python transformation, you must ensure that the worker nodes on the Hadoop cluster contain an installation of Python after you apply 10.5.1.

**Note:** If you previously installed Python in the directory `<Informatica installation directory>/services/shared/spark/python`, you must reinstall Python.

Complete different tasks depending on the product that you use.

## Installing Python for Data Engineering Integration

To use the Python transformation in a mapping, the worker nodes on the cluster must contain a uniform installation of Python. You can ensure that the installation is uniform in one of the following ways:

### Verify that the Python installation exists.

Verify that all worker nodes on the cluster contain an installation of Python in the same directory, such as `/usr/lib/python`, and that each Python installation contains all required modules.

Additionally, verify that the following Spark advanced property in the Hadoop connection is configured based on the directory that stores the Python installation:

```
infaspark.pythontx.executorEnv.PYTHONHOME
```

### Install Python.

Install Python on every Data Integration Service machine. You can create a custom installation of Python that contains specific modules that you can reference in the Python code. When you run mappings, the Python installation is propagated to the worker nodes on the cluster.

If you choose to install Python on the Data Integration Service machines, complete the following tasks:

1. Install Python.
2. Optionally, install any third-party libraries such as numpy, scikit-learn, and cv2. You can access the third-party libraries in the Python transformation.
3. Copy the Python installation folder to the following location on the Data Integration Service machine:

```
<Informatica installation directory>/services/shared/spark/python
```

**Note:** If the Data Integration Service machine already contains an installation of Python, you can copy the existing Python installation to the above location.

Changes take effect after you recycle the Data Integration Service.

## Installing Python for Data Engineering Streaming

To use the Python transformation in a streaming mapping, you must install Python and the Jep package. Because you must install Jep, the Python version that you use must be compatible with Jep. You can use one of the following versions of Python:

2.7  
3.3  
3.4  
3.5  
3.6

To install Python and Jep, complete the following tasks:

1. Install Python with the **--enable-shared** option to ensure that shared libraries are accessible by Jep.
2. Install Jep. To install Jep, consider the following installation options:
  - Run `pip install jep`. Use this option if Python is installed with the pip package.



- Configure the Jep binaries. Ensure that `jep.jar` can be accessed by Java classloaders, the shared Jep library can be accessed by Java, and Jep Python files can be accessed by Python.
3. Optionally, install any third-party libraries such as `numpy`, `scikit-learn`, and `cv2`. You can access the third-party libraries in the Python transformation.
  4. Copy the Python installation folder to the following location on the Data Integration Service machine:

```
<Informatica installation directory>/services/shared/spark/python
```

**Note:** If the Data Integration Service machine already contains an installation of Python, you can copy the existing Python installation to the above location.

Changes take effect after you recycle the Data Integration Service.

## Complete the Configuration for Upgrade or Apply Hotfix

If you edit `odbc.ini`, `odbcinst.ini`, `sapnwrfc.ini`, or `infaservice.sh` files, manually merge the changes from the backup files into the latest installed files. Check with your administrator for any customization to the `*.ini` files before you applied a hotfix or an upgrade. For instance, if an administrator added some variables or java options to the `infaservice.sh` script before you applied a hotfix or upgrade, manually merge the changes to the latest install file paths.

Manually merge the latest configuration changes into the following install file paths after applying hotfix or upgrade:

- `$INFA_HOME/ODBC7.1/odbc.ini`
- `$INFA_HOME /ODBC7.1/odbcinst.ini`
- `$INFA_HOME/server/bin/sapnwrfc.ini`
- `$INFA_HOME/tomcat/bin/infaservice.sh`

## Enable Transport Layer Security

After you upgrade, the Transport Layer Security (TLS) versions 1 and 1.1 are disabled by default. Perform the following steps to enable TLS versions 1 and 1.1.

1. Go to `$INFA_HOME/Java/jre/lib/security/java.security`.
2. Edit the `java.security` configuration file.
3. Locate the `jdk.tls.disabledAlgorithms` setting in the `java.security` configuration file.
4. Remove TLSv1 and TLSv1.1 from the list of disabled algorithms.
5. Save and close the `java.security` configuration file.
6. Restart the domain.

TLS versions 1 and 1.1 are enabled.

## 10.5.1 Fixed Limitations and Closed Enhancements

### Business Glossary Fixed Issues (10.5.1)

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

The following table describes fixed issues:

Issue	Description
BG-2555	The <b>Searchable</b> option is disabled in the business glossary term template for name and description properties. The <b>Searchable</b> option is irrelevant for the properties.

### Data Engineering Integration Fixed Issues (10.5.1)

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

The following table describes fixed issues:

Issue	Description
PLAT-28258	A SAML login attempt from the Administrator tool with an invalid credential fails as expected, but appears as a login attempt from the Native security domain. The attempt should appear in the log as a login attempt from a blank security domain.
OCON-28331	When the Blaze engine runs the Sqoop mapping on Cloudera CDH version 6.3.4, the following error occurs: <code>GSSEException: No valid credentials provided (Mechanism level: Failed to find any Kerberos tgt)</code>
OCON-27886	When the Spark engine runs a Sqoop mapping on Cloudera CDH version 6.3.4 to write data with the Date data type to a Greenplum target, the mapping fails with the following error: <code>org.postgresql.util.PSQLException: ERROR: date out of range: "444001-10-28 BC +05:30"</code>
ISD-2636	In some cases, Intelligent Structure Discovery ignores blank cells in Microsoft Excel files.
ISD-2537	If an XSD input contains a type element that doesn't exist in the schema that the intelligent structure model is based on, Intelligent Structure Discovery doesn't process the subsequent element.
ISD-2340	Mappings that use intelligent structure models that are based on CSV, XML, or JSON sample files fail to run on Databricks 7.3 with the following error: <code>ERROR Uncaught throwable from user code: java.lang.NoClassDefFoundError: com/informatica/adaptor/parser/atlantic/AtlanticDataFrameGenerator</code>
ISD-2330	In mappings that use Data Processor transformations, if the output port type is filename, the mapping develops memory leaks.
BDM-38480	After you upgrade Informatica from version 10.2.2, the mappings fail as the DB Queue tables are not available. This issue occurs only in the SQL server.
BDM-38320	Some third-party JAR files on the Data Integration Service machine can cause mappings that run on the Blaze engine to not appear in Blaze Job Monitor.

Issue	Description
BDM-38144	When the Spark engine runs an Update Strategy mapping, it truncates the data that it writes to a JDBC target even when truncation is not configured for the mapping.
BDM-38142	Developer tool users without administrator-level permissions cannot view run-time applications or application objects.
BDM-37594	The cluster configuration creation interface in the Administrator tool erroneously lists CDH 6.1 among the versions of Hadoop clusters from which to create a cluster configuration. Cloudera CDH 6.1 is not supported in Informatica version 10.5.
BDM-37568	After you create a SQL data service and try to generate a mapping for a SQL query using the deployed SQLDS command, you get an error message similar to the following:  Command [prepareMapping] failed with error [[SQLCMN_10034] : The SQL Service Module encountered the following error while executing the SQL against the SQL data service: [com.informatica.ds.sql.jdbcdrv.PreparedStatementImpl cannot be cast to com.informatica.ds.sql.jdbcdrv.StatementImpl]]
BDM-37537	Mappings with a Python transformation succeed on a Databricks 5.5 cluster but fail on a version 7.x cluster with an error like: Job aborted due to stage failure: Task <n> in stage <n.n> failed 4 times, most recent failure: Lost task <n.n> in stage <n.n> ...
BDM-37300	The remove command fails if you use a special character in the file name.
BDM-36951	The filemanager utility log displays incorrect log tracing level for WARNING and INFO. You might see the log tracing level as SEVERE for WARNING or FINE for INFO.
BDM-34122	If an error occurs during an evaluation of a regular expression function, the row is skipped with a transformation evaluation error instead of considering the default value of the column.

## Data Engineering Streaming Fixed Issues (10.5.1)

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

The following table describes fixed issues:

Issue	Description
IIS-5459	When you run a streaming mapping, cache refresh does not occur when the following conditions are true: <ul style="list-style-type: none"> <li>- Hive data is stored in either Optimized Row Columnar (ORC) or Parquet file format</li> <li>- Refresh cache interval is set to 0</li> </ul>

## Data Engineering Quality Fixed Issues (10.5.1)

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

The following table describes fixed issues:

Issue	Description
PLAT-28891	The scheduled jobs do not trigger at the scheduled time.

## Data Privacy Management Fixed Issues and Closed Enhancements (10.5.1)

### Fixed Issues

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

The following table describes fixed issues:

Issue	Description
SATS-37493	You cannot open a security policy that you create without adding a value in the optional Owner field.
SATS-40382	The information that you export from the Sensitive Fields page does not include the impression count for each classification policy.
SATS-40546	Protection jobs for IBM DB2 for z/OS data stores fail during workflow execution in Test Data Management.
SATS-40440	Protection jobs for Azure SQL Database data stores fail in Test Data Management because of missing required secure JDBC parameters. <b>Workaround:</b> Add the following property to the end of the JDBC URL and run the job: <code>DataIntegrityLevel=accepted;CryptoProtocolVersion=TLSv1.2</code>
SATS-40922	Sync with Enterprise Data Catalog fails with a stack overflow error.
SATS-41284	The Hortonworks extension appears as an option on the <b>Sensitive Fields</b> page.
SATS-41304	Link Subject scans on Hive data stores fail with an SSL exception.
SATS-41458	The Assign to Me option in the security policy Email Action does not work as expected for LDAP users.

### Closed Enhancements

The following table describes closed enhancement requests:

Issue	Description
SATS-15190	Resources that you import from Enterprise Data Catalog include Connection String and Source Connection Name information.
SATS-41328	You can configure a timeout value for jobs run by the remote agent.
SATS-41369	When you import a resource from Enterprise Data Catalog, you can import view information.

## Domain Fixed Issues and Closed Enhancements (10.5.1)

### Fixed Issues

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

The following table describes fixed issues:

Issue	Description
PLAT-28779	In the Administrator tool, when you refresh a cluster configuration to add a new host name, and then refresh the cluster configuration again, the <b>Refresh Cluster Configuration</b> window incorrectly displays the old host name.
PLAT-26364	When you use a domain hosted on a IPv6-enabled machine and you click the Help icon in the Informatica Administrator, the local help is displayed instead of the hosted help.
BDM-37822	When you use the Analyst tool to upload a flat file using an operating system profile, some characters encoded with ANSI or extended ASCII character sets might be corrupted.

### Closed Enhancements

The following table describes closed enhancement requests:

Issue	Description
PLAT-28488	The default time interval in the MasterDBRefreshInterval custom property is increased to 30 seconds to provide sufficient time to the master gateway node to update the domain database.

## Enterprise Data Catalog Fixed Issues and Closed Enhancements (10.5.1)

### Fixed Issues

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

The following table describes fixed issues:

Issue	Description
EIC-55464	The table type filter count does not match in the <b>Search Prefilter Settings</b> page and <b>Search Results</b> page.
EIC-53333	The infacmd backup and restore commands fail if the Informatica domain is installed on RHEL 6.x.
EIC-52376	When you edit a custom attribute, the page takes a long time to load.
EIC-55573	When unique key inference profiling is disabled, the UkFkResultFetcher job stops responding because the job does not receive the PREDECESSOR_TASK_PARTIALLY_FINISHED event from the UkFkExecutor job.

Issue	Description
EIC-56263	When you set up a custom schedule for a Microsoft SQL server resource that is enabled with composite domain discovery and profiling, the Catalog Administrator tool fails to run the resource in the scheduled time and the following error message appears in the LDM.log file: Execution Resourcecmgmt CallbackHandler failed with exception java.lang.NullPointerException
EIC-56485	After you configure a change notification to receive emails on asset changes, the Email Service in the Informatica Administrator does not send notifications and the following error message appears: Executor error during find command :: caused by :: Sort operation used more than the maximum 33554432 bytes of RAM. Add an index, or specify a smaller limit. The error occurs as the Mongo DB query fails with a memory issue.
EIC-56477	When the resource name is more than 100 characters, the backup of catalog data fails.
EIC-56380	If you upgrade the Teradata ODBC driver version to 16.20, the Teradata profiles fail and the following error message appears: SQL Error [FnName: Fetch Optimize - [Teradata] [ODBC] (10470) Data conversion not supported.]
EIC-56142	When you enable data discovery with partitioned parquet files using the JVM -DexcldePatterns="[\\.*","[.]*",".*fileName.*" option, the Enterprise Data Catalog tool does not identify profiling metadata for Amazon S3, Azure Data Lake Store Gen2, and HDFS resources.
EIC-56173	After you import a custom data domain with the logic, rule, and column from the Analyst tool into the Enterprise Data Catalog tool, you cannot associate the data domain to the same column.
EIC-55985	The Enterprise Data Catalog Tableau plug-in fails to appear in the Tableau workbook. However, the plug-in appears within the views or tables of the workbook.
EIC-56273	When mapping tasks contain a Microsoft SQL override query with SQL comments, the Enterprise Data Catalog tool does not display the lineage and impact information for the Informatica Intelligent Cloud Services (IICS) resources.
EIC-57235	The Amazon Redshift and Sybase resources fail with the following error messages: <ul style="list-style-type: none"> <li>- For Sybase. Test Connection Failed. MITI.MIRException: Connection to the database (with URL jdbc:sybase:Tds:INADPF2.informatica.com:5000) failed. The required JDBC driver, 'com.sybase.jdbc4.jdbc.SybDriver' is missing.</li> <li>- For Amazon Redshift. Test Connection Failed. MITI.MIRException: Connection to the database (with URL jdbc:redshift:Tds:INADPF2.informatica.com:5000) failed. The required JDBC driver, 'com.amazon.redshift.jdbc42.Driver' is missing.</li> </ul>
EIC-55506	After an upgrade to 10.4.0.2, when you try to assign connections to a Hive resource, you receive the following error: No resourceType found with resourceTypeId HIVE.
EIC-56274	Informatica Intelligent Cloud Services (IICS) resource extracts dummy connections when the ICS mapping or mapping task contains an SQL query with a database name.
EIC-56153	After a metadata scan, the Teradata resource does not show view columns.
EIC-56932	Partitioned table scan fails with the following error for the Google Big Query resource: Querying tables partitioned on a field is not supported in Legacy SQL.
EIC-55908	If the ScannerDeployer.xml file of any scanner cannot be parsed, the Catalog Service fails to start with the Deploying scanners failed error.

Issue	Description
EIC-55889	Microsoft SQL Server parser cannot parse the complex view query defined in the Snowflake view, resulting in a resource scan with a <code>NullPointerException</code> error.
EIC-24895	Some permissions are not available for Microsoft SQL Server resources on the Resources tab.
EIC-55588	When the package filters are enabled, the SAP HANA DB resource does not extract any calculation views from the main package.
EIC-56716	When the table name of an SAP HANA DB resource contains a slash character, the names of the columns that are a part of that table are not extracted.
EIC-56825	Informatica Intelligent Cloud Services (IICS) resource run in an infinite loop when the Workday objects contain the same source and target.
EIC-55989	In Catalog Administrator, after setting the default permissions, resource creation takes more time due to access filters.
EIC-57153	The JSON file hierarchy is incorrect after loading metadata into Catalog.
EIC-51210	Large partitioned tables of a Google Big Query resource are not ingested into Catalog.
EIC-10973	Metadata load for Microsoft Excel files fails with the following error: <code>OutOfMemoryError: GC overhead limit exceeded</code>
EIC-25488	In Enterprise Data Catalog, view scripts that contain more than 10,000 characters are truncated.
MDX-20197	You cannot search for expressions included in advanced scanners calculations.
EIC-55512	You cannot generate Certificate Signing Requests for the cluster and client certificates with different Common Name (CN) values for the Distinguished Name.
EIC-55969	If resource creation fails, the error logs do not contain sufficient information to determine the cause of failure.
EIC-56828	In an SSL enabled cluster, if the Organization Unit (OU) value for the Distinguished Name includes a comma, the Catalog Service fails to start.
EIC-55815	Microstrategy resources with multiple projects fail during metadata extraction.
EIC-56155	Parent name for SAP S/4 HANA field in Axon Scanner is blank due to missing <code>core.Datasetuuid</code> attribute.
EIC-56115	When you run the resource more than once, you lose the enrichments configured for the Tableau resource. You cannot see the Tableau objects in Catalog Administrator
EIC-56769	Informatica Intelligent Cloud Services (IICS) scanner run fails with a <code>NullPointerException</code> error for a specific data set.
EIC-55837	The data domain propagation resource fails with the following error: <code>ArrayIndexOutOfBoundsException</code> .
EIC-56171	When you set up a schedule for a resource that is enabled with either or both data domain discovery and profiling, the resource does not run on the scheduled time and fails with a <code>NullPointerException</code> .

Issue	Description
EIC-53663	When you assign a Data Owner or Data Steward to an asset from the asset <b>Overview</b> tab, the Email Service in the Informatica Administrator does not send notifications on the asset enrichment and collaboration changes.
EIC-55591	When you had configured a resource with <b>Profiling</b> and disabled the <b>Unique Key Inference</b> option, the Catalog Administrator tool displays the <b>Unique Key Inference</b> option as enabled. This issue occurs after you modify the resource by disabling the <b>Source Metadata</b> option.
EIC-53459	When you use the -DexcludePatterns JVM option to exclude files from scanning and choose to extract metadata from all file types in the Amazon S3 resource, the Catalog Administrator tool scans the partitioned parquet files in the resource instead of excluding the files from the scan.
EIC-56366	The Enterprise Data Catalog tool does not display the lineage and impact information for the Tableau resource in the classic lineage and impact view.
EIC-57140	When you choose the profile warehouse connection, the Informatica Data Quality resource creation fails. This issue occurs when the Enterprise Data Catalog tool is not SSL enabled, but data quality domain is SSL enabled.
EIC-56701	The data domain propagation scanner fails with the following error: <code>NumberFormatException</code> .
EIC-57247	When data domains of columns are either in the rejected or inferred state, the columns <b>Overview</b> tab stops responding.
EIC-56694	When you delete an imported scorecard from Informatica Data Quality and run the Informatica Data Quality resource, the Enterprise Data Catalog tool still displays the deleted scorecards.
EIC-57150	If an asset name in a Business Glossary resource contains a null value, the resource fails with a <code>NullPointerException</code> .
EIC-55521	When you create Snowflake profile rules in the Analyst tool and run the Informatica Data Quality resource with any connection other than Snowflake, the Enterprise Data Catalog tool does not display profile results, scorecards, and value frequency information.
EIC-55363	When you click a reference asset name in the compact view of the <b>Lineage and Impact</b> tab, the Enterprise Data Catalog tool fails to load the <b>Overview</b> tab of the reference asset.
EIC-55463	In the Catalog Administrator tool, the order of running jobs in the <b>Monitoring</b> tab changes when you click refresh.
EIC-56966	The Informatica cluster validation utility fails on RHEL 8.4.
EIC-55031	Some calculation views in an SAP HANA resource are not extracted from the selected HANA packages.
EIC-56769	Informatica Intelligent Cloud Services (IICS) standard and advanced scanner job fails with a <code>NullPointerException</code> error for a specific data set.
EIC-55813	When you scan a schema that contains invalid Unicode characters, you cannot use custom Java Options to pass it on to the MITI component.
EIC-55689	Oracle Scanner asset counts mismatch between 10.2.2. and 10.4.1.3 versions for the same resource.



Issue	Description
EIC-57355	After you upgrade to 10.5, Snowflake resource type changed to deprecated. In Informatica Axon resource, the Snowflake resource does not appear on the <b>Resources</b> tab in Enterprise Data Catalog.
EIC-55910	The ChangeNotification standard scanner job fails with an error indicating that a class is missing.
EIC-55803	The migrateContents command fails with a Could not connect to MRS with the provided configuration error when you run the command on a multi-node Enterprise Data Catalog deployment.
EIC-57202	After you follow asset changes of the Informatica Intelligent Cloud Services (IICS) resource, the Email Service does not send notifications.
EIC-56271	When a user without the View permission for a resource clicks the resource name in the <b>Lineage and Impact</b> view, the <b>Lineage and Impact</b> view fails to load.
EIC-48486	When you run a profile on partitioned tables, the profile job fails for a Google Big Query resource and the following error message appears:  Error:[IDP_1004] Profiling exception occurred: java.lang.RuntimeException: java.util.concurrent.ExecutionException: com.informatica.sdk.dtm.ExecutionException: [EdtmExec_00007] The [QUERY] job failed with the following error: [Querying tables partitioned on a field is not supported in Legacy SQL: 1009712305595:test_bhushan.sales_txn_hdr.]

## Closed Enhancements

The following table describes closed enhancement requests:

Issue	Description
EIC-25897	You can exclude folders storing metadata objects within a project for a MicroStrategy scanner.
EIC-24882	You can use the certificate import utility to import Amazon S3 root certificates.
MDX-21944	SQL Server Integration Services scanner allows global scopes and package level scopes in the default values file.

## Enterprise Data Preparation Fixed Issues (10.5.1)

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

The following table describes fixed issues:

Issue	Description
IDL-18560	When you publish or upload data to a Hive table, the unique key inference job runs internally even if it is disabled in the Hive resource scanner.
IDL-17540	ADLS scanner cannot scan partition files with different partition IDs if Enable Partition Discovery flag is set to true in the parquet file type.

## Informatica Analyst Fixed Issues (10.5.1)

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

The following table describes fixed issues:

Issue	Description
ANT- 2190	When you change a connection during the table data object import in the Analyst tool, the <b>New Table</b> window still displays the previous connection name.

## Mappings and Workflows Fixed Issues (10.5.1)

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

The following table describes fixed issues:

Issue	Description
IDQ-9877	A mapping with a Match transformation that you configure for identity match analysis can fail to match Arabic words with their English-language equivalents. The issue is observed in names and descriptive terms for organizations.
OCON-27817	When you import a table that contains the nvarchar data type with maximum value set in Microsoft SQL Server, the precision of the nvarchar data type sets to 0 instead of the default value.
OCON-28267	If you create a Microsoft SQL Server mapping that uses the date and time filters with the yyyy-mm-dd format, the mapping fails.

## PowerCenter Fixed Issues (10.5.1)

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

The following table describes fixed issues:

Issue	Description
CORE-9624	If a Sybase source or target column name starts with a number, the PowerCenter Repository Service fails to import the XML.
CORE-9569	If there are folders in different domains with Kerberos authentication enabled, the PowerCenter Repository Service fails to compare the folders and displays a connection failure error.
CORE-9551	The PowerCenter Integration Service sometimes shuts down unexpectedly when you set a variable in the Expression transformation.
CORE-9346	Unable to open a workflow from the Workflow Manager after completing a deployment operation.
CORE-9258	The Workflow Monitor shuts down unexpectedly with an assert when it processes more than a thousand threads.

Issue	Description
CORE-9105	A scheduled workflow with a schedule duration of less than two minutes gets intermittently unscheduled after you upgrade the domain.
CORE-7250	When you try to import an XML file with a replace option, the PowerCenter Repository Service does not delete the existing entries from a repository table.

## Test Data Management Fixed Issues (10.5.1)

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

The following table describes fixed issues:

Issue	Description
TDM-29527	If you perform substitution masking with storage encryption, the following error occurs: ORA-01480: trailing null missing from STR bind value.
TDM-25929	When you run the ilmcmd command line program to export a connection, the password appears non encrypted.
TDM-26036	A project import job fails if the project includes an entity criteria parameter.

## Third-Party Fixed Issues (10.5.1)

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

The following table describes fixed issues:

Issue	Description
OCON-28204 OCON-28502 OCON-28449	When the Spark engine runs a Sqoop mapping with an Oracle source, the inactive Oracle connections to the source database are not closed. This issue occurs when the Spark engine runs on the Cloudera CDP version 6.3, Cloudera CDP version 7.1.4, and Hortonworks HDP version 3.1. Cloudera ticket: 741723
OCON-27441	When you use a Microsoft SQL Server connection for Azure SQL database and enable data object caching for the logical data object in a web service, the web service request fails.

## Transformations Fixed Issues (10.5.1)

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

The following table describes fixed issues:

Issue	Description
BDM-37453	When the Blaze engine or the Data Integration Service runs the Joiner transformation, data cache overflow results in duplicate data in the target.

## 10.5.1 Known Limitations

This section contains known limitations that were found in 10.5.1.

### Application Service Known Issues (10.5.1)

The following table describes known issues that were found in 10.5.1:

Issue	Description
MRS-2506	The MRX_PDO view does not list flat files in the Model repository.
MRS-2499	The MRX_APPLICATION_STAT view includes a null values in the APPLICATION_NAME and PARENT_STAT_ID columns.
MRS-2498	The MRX_VT_PDO view includes null values for a few rows in the CONN_NAME column.
MRS-2495	A few mappings in the MRX_MAP_SRCNT view includes incorrect values.
MRS-2470	The MRX_PDO view does not list physical data objects in the Model repository.

### Data Engineering Integration Known Issues (10.5.1)

The following table describes known issues that were found in 10.5.1:

Issue	Description
BDM-38699	Mappings might fail while flattening dynamic hierarchical fields on a DataProc cluster.
BDM-38639	When you run mappings in the optimized view using the <b>Run Mapping Using Advanced Options</b> dialog box, the mappings fail.
BDM-38638	You cannot preview the data on lookup mappings in the optimized view.
BDM-38630	In a Hadoop connection, temporary tables are not created as per the format specified in the following properties: <ul style="list-style-type: none"><li>- infaspark.insparkcontext.hive.default.fileformat</li><li>- infaspark.insparkcontext.hive.default.fileformat.managed</li></ul>
BDM-38590	Mappings running on the Blaze engine for a long time fail with delegation token error.

Issue	Description
BDM-38525	When you browse for a schema containing one million Hive tables, the Developer tool displays the following error:  HTTP Status 500 - Internal Server Error
BDM-37925	The Spark engine might incorrectly process logical data types in an Avro schema for a Kafka target and fail the mapping.
PLAT-28992	When you remove the Email service from the deployment manager, the service is not disabled.

## Data Engineering Streaming Known Issues (10.5.1)

The following table describes known issues that were found in 10.5.1:

Issue	Description
IIS-5340	When you run a dynamic mapping on the Spark engine using the Mapping Flow option to connect the source to Kudu target, the mapping fails.
IIS-5296	When you run a streaming mapping with Kudu target on the Spark engine with sorter transformation, the mapping fails.

## Enterprise Data Catalog Known Issues (10.5.1)

The following table describes known issues that were found in 10.5.1:

Issue	Description
MDX-22184	You can use the Oracle Data Integrator scanner only with Oracle Knowledge Modules.
MDX-22942	You cannot view detailed lineage for the Azure data flow in the Azure Data Factory.
MDX-23850	Power Query processing fails for a report that you create from multiple Amazon S3 data sets belonging to different file paths. For example: <ul style="list-style-type: none"> <li>- DataSet1: edc-qa-bucket/DemoCSV/CSVSubFolder/100 Sales Records.csv</li> <li>- DataSet2: edc-qa-bucket/Customer/ScannersQA/CSV/1000 Sales Records.csv</li> </ul>
MDX-22476	The DefaultValue parameter in Azure Data Factory does not process the section keys hierarchically.
MDX-24050	You cannot view the detailed lineage for Databricks Notebooks when a connection name contains the following special characters: <ul style="list-style-type: none"> <li>- Colon ":"</li> <li>- Semicolon ";"</li> <li>- Square brackets "[]"</li> </ul>

Issue	Description
MDX-23969	When a Databricks Notebooks resource calls another Databricks Notebooks resource using the <code>%run &lt;callee notebook&gt;</code> command, command links on Enterprise Data Catalog Search Results page do not open the Command page.
EIC-56548	Automatic connection assignment for Teradata resource is degraded.
EIC-57275	PowerCenter parameter file utility logs show the stack trace for the <code>file not found</code> exception.
EIC-57245	In lineage for Microsoft Azure Data Lake Store and Amazon S3 resources, a default icon displays for a folder asset type.
MDX-23693	When you run an existing Advanced Scanners configuration after upgrade, you cannot see the processing information in the Advanced Scanners tool. Workaround: You can view the processing information in the following directory: <code>\$&lt;Informatica installation directory&gt;/AdvScannersWorkspace/processings</code> .
EIC-57422	When you assign connections to multiple links, certain links incorrectly move to the <b>Auto Assigned Connections</b> tab.
EIC-57352	After you migrate a non-SSL domain to custom SSL, the Catalog Service fails with the following error: <code>Caused by: com.mongodb.MongoCommandException: Command failed with error 11 (UserNotFound): 'Could not find user.</code> Workaround: Perform the following steps after you migrate a non-SSL domain to custom SSL: 1. Enable the Informatica Cluster Service. 2. Stop the Informatica Cluster Service. 3. Enable the Informatica Cluster Service. 4. Enable the Catalog Service.
EIC-57025	When you run the SAP Business Objects resource, the scanner logs contain MITI errors.
EIC-56989	When you run the Google Big Query high volume resource, performance in the staging phase is slower.
EIC-56956	When you run the SAP Business Objects resource, performance in the staging and metadata load phases is slower.
EIC-57474	Rescanning of the JDBC resource fails after you select the empty case sensitivity option.
EIC-57394	The catalog backup using the <code>infacmd Idm backupContents</code> command fails if you have not set the <code>INFA_TRUSTSTORE</code> and the <code>INFA_TRUSTSTORE</code> environment variables. The error message that appears does not contain sufficient information.
EIC-57353	If you have replaced the custom SSL certificates, the catalog restore fails. Workaround: Enable the Informatica Cluster Service and the Catalog Service after you replaced the custom SSL certificates.
EIC-57375	After you upgrade to version 10.5.1, the duplicate data domain groups are missing in the Enterprise Data Catalog tool.
EIC-57353	After you replace the custom SSL certificates, the <code>infacmd Idm restoreContents</code> command fails. Workaround: 1. Enable the Informatica Cluster Service and Catalog Service after replacing certificates. 2. Rerun the <code>infacmd Idm restoreContents</code> command.

Issue	Description
EIC-57308	You cannot accept or reject data domains for assets of a custom resource in the data domain <b>Overview</b> tab.
EIC-57274	When the migration of the column similarity data fails, the migration log file does not display an error or warning message.
EIC-57269	Enterprise Data Catalog tool displays an incorrect URL in the <b>System Attributes</b> section for an Amazon S3 parquet file.
EIC-57241	After you upgrade the Catalog Service, assets from the Amazon S3 resource are missing in the Enterprise Data Catalog tool.
EIC-57185	<p>When you run a profile on a large dataset in a non-Hadoop environment, profiling job fails with the error message:</p> <pre>[ExecutionQueueTask] INFO com.infa.products.ldm.scanners.profilescheduler.queue.impl.SearchQueueExecutor - SearchQueueExecutor : FAILED2021-08-30 11:54:03,387[ExecutionQueueTask] ERROR com.infa.products.ldm.scanners.profilescheduler.queue.impl.SearchQueueExecutor - An error occurred during SearchQueue execution: java.util.concurrent.ExecutionException: java.lang.RuntimeException: java.net.SocketException: Connection reset</pre>
EIC-57134	After you upgrade and re-index the Catalog Service, the duplicate foreign key constraint gets appended to the table.
EIC-57511	After you upgrade from version 10.5 to version 10.5.1, the UpgradeJobs log location does not contain the log files of all resources.
EIC-57510	<p>If a resource name includes more than 280 characters, an error appears in the LDM_Upgrade.log file:</p> <pre>ERROR [pool-23-thread-1] - java.io.IOException: Directory '/data/ Informatica/LDM1050/logs/node01/services/CatalogService/CSQEREPO/ UpgradeJobs/ObjectSubscriberUpgradeModule/ LONG ESS INTEGRATED PAYMENT SYSTEM SQL SERVER DGD EVENT LOG BILLING IPS RCC GLSP3306-PROD ESS INTEGRATED PAYMENT SYSTEMS SQLSERVER DGD EVENT LOG BILLING IPS BATCH GLSP3306_1_PROD GLSP3306_PROD ESS INTEGRATED PAYMENT SYSTEMS_SQLS ERVER DGD EVENT LOG BILLING IPS BATCH GLSP3306_1_PROD/255dcef7- cc92-4a89-9fb4-ca61d2274363/Re-Publish' could not be created This issue occurs when you upgrade from version 10.5 to version 10.5.1.</pre>
EIC-57336	You cannot view the <b>Data Domain</b> , <b>Null Distinct Non-Distinct %</b> , and <b>Source Data Type</b> columns in <b>Overview</b> tab of a Salesforce asset.
EIC-57549	If a resource name contains more than 200 characters, you cannot download the log file for the resource.
EIC-57621	After you upgrade from version 10.4.1 to version 10.5, the Enterprise Data Catalog tool does not display business glossary recommendations on the <b>Assets in the Resource</b> page.
EIC-57623	When a non-administrator user searches for an asset in the Enterprise Data Catalog tool, the <b>Search Results</b> page fails to load.

Issue	Description
EIC-57625	When you export asset data from a resource to a Tableau Data Extract (TDE) file, the following error message appears:  <code>Error: Something went wrong. Check the logs for more details. "undefined"</code>
MDX-23699	You cannot use default values for pipelines and functions in the Azure Data Factory scanner. You can use default parameters only for activities.
MDX-23878	When a Databricks Notebooks resource calls another Databricks Notebooks resource, the job fails with the following error: <code>Failed to resolve expression dbutils.notebook.run</code>
MDX-23967	Lineage for Databricks Notebooks fails when you launch the column-level lineage from the Delta file to the Delta table.
MDX-24043	When you enter a database connection key for Databricks Notebooks, and the key contains an equal sign "=", half of the key value shifts to the Resolved MDREPO entry field.
MDX-24178	If a job that scans the Databricks Notebooks SQL contains a <code>create</code> command, the job fails with the following error: <code>Unable to parse script</code>
MDX-24161	Databricks Notebooks scanner job fails because of a non-dependent MDREPO entry failure with the following error: <code>No suitable driver found</code>
EIC-57495	After you apply the Enterprise Data Catalog 10.5.1 hotfix to 10.5, 10.5.0.0.1, or 10.5.0.0.2 cumulative patch on a custom SSL enabled cluster and enable the Informatica Cluster Service, the client certificates are not copied to the cluster nodes.  Workaround: Perform the following steps: 1. Shut down the Informatica cluster using the <code>infacmd ics shutdownCluster</code> command. 2. Enter the following command to remove the existing certificates on all the cluster nodes: <code>rm -rf \$customdir/certs/*</code> . The <code>\$customdir</code> directory is the cluster custom directory. 3. Recycle the Informatica Cluster Service.
EIC-57675	Enabling Informatica Cluster Service hangs unexpectedly at the host type validation phase. Workaround: Delete the contents of the <code>/tmp</code> directory in the domain and cluster nodes, and then recycle the Informatica Cluster Service.
EIC-55684	When a CSV file contains Dutch characters, the FileSystem scanner cannot detect column names. The resource fails with the following message: <code>Header not detected for file.</code>
MDX-25099	The Talend connector uses an incorrect account name to calculate the connection key for the Snowflake resource.

## PowerCenter Known Issues (10.5.1)

The following table describes known issues that were found in 10.5.1:

Issue	Description
OCON-28445	When you run a mapping in bulk mode to read from or write data to Oracle database and the user name contains the @ character, the mapping fails.



## Reference Data Known Issues (10.5.1)

The following table describes known issues that were found in 10.5.1:

Issue	Description
IDQ-10097	If you import a large number of reference tables from an XML file to a PostgreSQL reference data database, the import operation may become unresponsive and the reference data may not import completely. The impact of the issue includes the import of reference data content from an accelerator pack.

## Third-Party Known Issues (10.5.1)

The following table describes third-party known issues:

Issue	Description
IDL-18576	For transactional hive tables, Zeppelin visualization fails in Enterprise Data Preparation because Spark-SQL does not support transactional tables. Workaround: Contact the Hadoop Administrator team to disable the ACID properties on hive of the cluster. Spark ticket reference number: SPARK-15348

## Cumulative Known Issues

This section contains known limitations that are carried forward from previous releases.

## Data Engineering Integration Known Issues (Cumulative)

The following table describes known limitations that are carried forward from previous releases:

Issue	Description
BDM-36874	<p>When the Spark engine runs a mapping on a Cloudera CDP Public Cloud cluster, the mapping fails if you read from or write to a directory on the Data Lake cluster.</p> <p>The mapping fails with the following error:</p> <pre>SEVERE: [LDTM_4872] HDFS source directory [/BDM_Automation/targetData/BZIP/m_all_compression_write_sparkMode] is not found. Specify a valid directory and try again.</pre>
BDM-36873	<p>When you run a mapping on a Cloudera CDP Public Cloud cluster, the mapping fails if you read from or write to a relative path on the Data Lake cluster.</p> <p>The mapping fails with the following error:</p> <pre>UNK_66008 File [hdfs://ns1/user/&lt;impersonation_user&gt;/SparkRelativePathDir// tmp_infa_8365285398800525369_HDFS_RelativeSourceTarget.out/ HDFS_RelativeSourceTarget.out/attempt_20210104065255_0000_m_000000_3] could not be opened because of the following error: [java.lang.IllegalArgumentException: Wrong FS: hdfs://ns1/user/&lt;impersonation_user&gt;/SparkRelativePathDir/ tmp_infa_8365285398800525369_HDFS_RelativeSourceTarget.out/ HDFS_RelativeSourceTarget.out/attempt_20210104065255_0000_m_000000_3,</pre>
BDM-35764	<p>You cannot fetch aggregate logs for applications that run on a Cloudera CDP Public Cloud cluster.</p>
BDM-35089	<p>When the Spark engine runs a mapping that contains a Lookup transformation, the count of Source_Rows and Target_Rows might be incorrect.</p> <p>Workaround: Run the mapping on the Blaze engine.</p>
BDM-34065	<p>When you import the cluster configuration from Compute cluster configured on Cloudera and you choose to create associated connections, the creation process fails to create the Hive connection and displays the following error:</p> <pre>[EDR_1069] Failed to resolve the option [connectString] of connection [HIVE_cco_ac] because the associated cluster configuration [CCO_AC] does not contain the property [hive.metastore.uris].</pre> <p>Workaround:</p> <ul style="list-style-type: none"><li>- Create cluster configuration using import from archive file option.</li><li>- For Hive connection, fix Metadata connection string and data access connect string JDBC connection to point to compute cluster.</li></ul>

Issue	Description
BDM-33922	<p>In a Kerberos-enabled domain, a mapping that runs on the Spark engine using an impersonation user fails if the following conditions are true:</p> <ul style="list-style-type: none"> <li>- The cluster staging directory is in an encryption zone.</li> <li>- The impersonation user is configured as a proxy user for an Active Directory user.</li> <li>- The proxy user, and thus the mapping impersonation user, has the DECRYPT privilege in the encryption zone.</li> <li>- The Active Directory user does not have the DECRYPT privilege in the encryption zone.</li> <li>- The Hadoop staging user is set to the mapping impersonation user.</li> </ul> <p>Workaround: Provide the DECRYPT privilege in the encryption zone to the Active Directory user, or use a cluster staging directory that is outside of the encryption zone. For example, use the /tmp directory.</p>
BDM-33585	<p>When a mapping that runs on the Blaze engine reads from or writes to an encryption zone in HDFS, the mapping fails.</p> <p>Workaround: Configure the user that runs a mapping on Blaze to be the same as the impersonation user. To use a different user, give DECRYPT privileges to the Blaze user.</p>

## Data Engineering Streaming Known Issues (Cumulative)

The following table describes known limitations that are carried forward from previous releases:

Issues	Description
IIS-5180	When you run a streaming mapping on Cloudera CDP version 7.2, the <b>Summary Statistics</b> view in <b>Monitor</b> does not display the job details.
IIS-4973	When you run a streaming mapping with a Kafka source and Amazon S3 target on Amazon EMR version 5.29 secure cluster, rollover of the Amazon S3 target files fail with <code>Access Denied</code> error.

## Data Privacy Management Known Limitations (Cumulative)

The following table describes known limitations that are carried forward from previous releases:

Bug	Description
SATS-16903	If you enable the <b>Auto Sync Catalog</b> option for a data store, the <b>Connection String</b> and <b>Schema Option</b> property values get deleted.
SATS-16114	If you run a scan on a Salesforce source, the scan fails at the Collect Row Count step.
SATS-14408	<p>When you create a Microsoft SQL Server data store, if you enter the instance, the Test Connection option fails.</p> <p>Workaround: Do not enter a value in the <b>Instance</b> field.</p>
SATS-14387	When you import details to create a new data store, the values you add in the <b>Schema/Path</b> column of the import file do not appear on the UI.
SATS-14385	<p>When you scan an SAP data store, the following issues occur:</p> <ul style="list-style-type: none"> <li>- The data scan does not identify sensitive fields.</li> <li>- After a metadata or data scan, the risk score is set to zero.</li> </ul>

Bug	Description
SATS-14379	For Amazon S3 data stores, when you run a metadata with data scan, the <b>Evaluate Classification Job</b> fails.
SATS-14323	For Salesforce data stores, when you run a scan, the risk score and policy impressions values are set to zero.
SATS-14316	For French and German instances, when a field or file name contains extended ASCII codes such as <code>ÜÜääâäçéêïóðüü_All_Customers.csv</code> , Secure@Source is unable to determine if the field or file is sensitive.
SATS-14210	Users with the View Task, Edit Task, and Export privilege cannot download and view DSAR reports unless they also have the View Subject Registry privilege.
SATS-14208	Although the user has the required DSAR privileges, the <b>Task Details</b> tab freezes and displays an error.
SATS-13062	There is no Online Help for the Manage Risk Simulation feature.
SATS-12484	For Secure@Source 5.0 and the Protection 5.0 product, if you configure a Catalog metadata CSV file to add or delete some of the metadata, import the CSV file, and later import a CSV file that contains only the Catalog metadata you did not add or delete in Secure@Source, Enterprise Data Catalog retains only the metadata included in the latest imported CSV file. Workaround: Re-import the CSV file that contains all of the Catalog metadata for the data store. Impacted products: Secure@Source and Secure@Source Protection
SATS-12574	On the <b>Subject Registry Details</b> page, a user can view data stores that the user does not have permission to view. Impacted products: Secure@Source
SATS-12279	Persistent Data Masking job logs are not available on the Secure@Source UI. The job displays the following error message: Job with ID <ID number> failed in TDM. Workaround: Navigate to the following directory: <code>\$INFA_HOME/TDM/logs/jobLogs</code> . Locate the job log file for the job ID in the message, and view the log. Impacted products: Secure@Source Protection
SATS-7533	Persistent Data Masking jobs fail when the name of the Data Integration Service is not <code>DIS</code> or <code>Data_Integration_Service</code> . Workaround: Change the name of the Data Integration Service to <code>DIS</code> or <code>Data_Integration_Service</code> . If you cannot rename the Data Integration Service Name, perform the following workaround steps to rename the service in the Administrator tool: 1. Navigate to the Persistent Data Masking XML file in the following directory: <code>\$INFA_HOME/SecureAtSourceService/Protection/</code> <ul style="list-style-type: none"> <li>- For Persistent Data Masking - Big Data and encryption extensions, edit the <code>com.infa.sats.protection.pdm.bde.xml</code> file.</li> <li>- For Persistent Data Masking - Remote Domain extensions, edit the <code>com.infa.sats.protection.pdm.relational.xml</code> file.</li> </ul> 2. In the XML file, change the default value for the <b>DataIntegrationServiceName</b> property to <code>DIS</code> : <code>&lt;property name="DataIntegrationServiceName" default="DIS"/&gt;</code> <code>&lt;/Preferences&gt;</code> . Impacted products: Secure@Source Protection

## Enterprise Data Catalog Known Limitations (Cumulative)

The following table describes known limitations that are carried forward from previous releases:

Bug	Description
EIC-26492	Metadata fetch fails for parquet files with <code>java.lang.UnsupportedOperationException</code> error on the HDFS resource.
EIC-26281	The Catalog Service fails with the following error for an Oracle resource when the resource and database share the same name: <code>java.lang.IllegalStateException</code>
EIC-26187	You might not view all the intermediate assets in the lineage and impact view when you use the sliders to expand the view. <b>Workaround:</b> Click the plus sign that appears when you hover over the indirect link.
EIC-26182	The Apache Kafka resource takes 26 seconds to determine the schema when the sampling size is more than 30 messages.
EIC-25995	The column level lineage is broken for an Apache Kafka resource, when you extract metadata from topics that contain hierarchical JSON messages related to streaming mappings.
EIC-25994	The column level lineage is broken for an Apache Kafka resource, when you extract metadata from topics that contain hierarchical XML messages related to streaming mappings.
EIC-25837	The lineage displayed for the Qlik Sense resource is incorrect when a column name in the Qlik Sense data source contains a slash (/).
EIC-24531	The resources continue to be in an active state even after you stop the Catalog Service using Informatica Administrator. Workaround: Stop the required YARN applications.
EIC-22979	For the Informatica Data Quality resource, Enterprise Data Catalog does not display columns for the schemas associated with the reference database.
EIC-20981	Profile run fails on the Spark engine if a source table name or column name contains special characters.
EIC-8187	When you configure a user with read and write permission for one resource in the Catalog Administrator, Enterprise Data Catalog displays the total resource count instead of a count of one in the search page for the user.
EIC-8171	When you delete an Informatica Axon resource, Enterprise Data Catalog does not delete the custom attribute assigned to the asset from the catalog.
EIC-8127	When you search for an asset name that contains an underscore (_), the search results page does not return any result.
EIC-7622	Custom metadata resource does not extract connection parameters for Business Intelligence metadata sources.
EIC-7583	The relationships REST API returns different levelCount details for the same query.
EIC-7406	After you fix the incorrect details in a reusable configuration used for a resource, the changes do not take effect on the resource.

Bug	Description
EIC-7405	You cannot select a negative value using the slider filter for an integer custom attribute. Workaround: Configure the custom attribute to allow filter based on range.
EIC-3288	When a column in a data source does not contain any data, the Similarity Discovery system resource does not discover columns based on column name.
EIC-19237	Incorrect results appear in the catalog when you search for a synonym.
EIC-18905	Catalog Service does not start if you enable erasure coding in the HDFS cluster.
EIC-1837	Relationship diagram does not show synonyms.
EIC-1835	In the Asset Details view of a synonym, the Contains panel displays source qualifier and mapping assets along with columns instead of just columns.
EIC-15657	In Enterprise Data Catalog, you can create a Universal Connectivity Framework (UCF) resource using REST API. However, you cannot edit the resource. Workaround: Contact Global Customer Support for a UCF license.
EIC-14761	Sometimes, Enterprise Data Catalog displays an incorrect notification message in the <b>Change Summary</b> for a synonym asset.
EIC-14746	Enterprise Data Catalog does not send a notification message when a user associates or removes a business title from a stored procedure. This issue occurs if you have followed the enrichment changes of the stored procedure asset.
EIC-14668	In the Catalog Administrator, when you propagate the stakeholder value to all assets in the resource while you create a resource, the <b>Relationship</b> tab displays incorrect information for an asset.
EIC-14590	In the Catalog Administrator, the Manage menu does not display the <b>Reusable Configuration</b> option. This issue occurs only if you use Microsoft Internet Explorer version 11.1446.
EIC-14452	In the Enterprise Data Catalog, a user is unable to provide a review, ask a question, or answer a question about an asset if the username contains Chinese characters.
EIC-14429	Sometimes, Enterprise Data Catalog displays a previously assigned business title even after you update the business title for an asset.
EIC-14406	Enterprise Data Catalog does not display the path of an asset in the search results page. This issue occurs if you search for a column asset with keywords "column contains" followed by the asset name in the search box.
EIC-14374	Enterprise Data Catalog displays an incorrect notification message after you delete a description of an asset.
EIC-14183	The <b>Resource Name</b> filter option in the <b>Assets Followed</b> page does not work as expected.
EIC-14140	Sometimes, if you follow the collaboration changes of an asset, Enterprise Data Catalog does not send you a notification message.
EIC-14127	Enterprise Data Catalog stops unexpectedly when you type a percentage sign (%) after the asset name in the <b>Asset Name</b> field of the <b>Notification</b> page.
EIC-13718	The filters in the <b>Relationship</b> tab do not work as expected.

Bug	Description
EIC-13708	Enterprise Data Catalog does not extract metadata or lineage information from an Informatica Intelligent Cloud Services (IICS) metadata source that includes an invalid data mapping with a Google BigQuery source. The invalid mapping between Google BigQuery and IICS is caused by IICS not supporting the Google BigQuery numeric data type.
EIC-13614	Enterprise Data Catalog displays an incorrect notification message after you delete a question.
EIC-13577	After you assign a data owner to a resource and an asset, there is a user role and privileges conflict between the data owners.
EIC-13418	You cannot cancel a resource purge operation.
EIC-13285 and EIC-13181	Enterprise Data Catalog does not display lineage for a view that includes advanced Google BigQuery functions and syntaxes such as ARRAY, UNNEST, CODE_POINTS_TO_BYTES, RANK, GROUP EACH BY and CODE_POINTS_TO_STRING.
EIC-13271	You cannot view the lineage for a view created in a Google BigQuery table if the following conditions are true: <ol style="list-style-type: none"> <li>1. You create a table in a Google BigQuery project, and create a resource for the table.</li> <li>2. You create a view for the table in another Google Big Query project, and create a resource for the view.</li> <li>3. You run both the resources.</li> <li>4. Generate the lineage of the view.</li> </ol>
EIC-13164	The <b>Notification</b> page does not display a notification message when a CSV file is added to an asset that you follow.
EIC-13142	You cannot assign stakeholders to an asset if the asset name contains Chinese characters or UTF-8 characters.
EIC-13114	The lineage diagram of a synonym asset hangs unexpectedly if you drill down to display the lineage at the column level.
EIC-13002	Deleting an associated business glossary from a business glossary resource does not remove the associated business glossary term from the search results in Enterprise Data Catalog. This issue occurs for Business Glossary and Axon resource types.
EIC-12990	Enterprise Data Catalog does not send a notification message if you make changes to an asset that has special characters in its name.
EIC-12985	The Catalog Administrator and Enterprise Data Catalog stop unexpectedly in Microsoft Internet Explorer version 11.1446. This issue occurs when you create a custom attribute in Catalog Administrator and assign a custom attribute value to an asset in Enterprise Data Catalog.
EIC-11572	When you search for a few data sources and reports that are extracted to the catalog using a Workday resource type, Enterprise Data Catalog does not display the assets in search results. Workaround: Enclose the search string in double quotes ( " ") when you perform a search in the Enterprise Data Catalog.

## Mappings and Workflows Known Limitations (Cumulative)

The following table describes known limitations that are carried forward from previous releases:

Bug	Description
IDQ-9850	<p>The Data Integration Service encounters errors when you run a mapping that includes data quality transformations on Databricks Spark.</p> <p>Workaround: Set the following custom properties on the Data Integration Service:</p> <ul style="list-style-type: none"><li>- <i>ExecutionContextOptions.databricks.enable.infa.libs.autoinstall</i> . Installs the Informatica libraries on the cluster. Set the property to <code>true</code>.</li><li>- <i>ExecutionContextOptions.AV_DATABRICKS_DATA_LOCATION</i>. Identifies the location of the address reference data files that the Address Validator transformation reads.</li><li>- <i>ExecutionContextOptions.DATABRICKS_POPULATION_FILE_LOCATION</i>. Identifies the location of the identity population data files that the Match transformation reads when you configure the transformation for identity analysis.</li></ul> <p>The locations that you set must be readable by the Data Integration Service on the cluster node. For example, you might set the following locations on the Databricks File System:</p> <pre>dbfs/av dbfs/population</pre>

## Profiles and Scorecards Known Limitations (Cumulative)

The following table describes known limitations that are carried forward from previous releases:

Issue	Description
IDE-4509	The value column in the exported excel sheet is empty when you export the profile results to the directory other than default directory.



## Third-Party Known Issues (Cumulative)

The following table describes known limitations that are carried forward from previous releases:

Issue	Description
BDM-34608 BDM-34615	<p>When the Spark engine runs a mapping with a Hive WASBS source and a flat file target on a non-ESP-enabled Hadoop cluster, it creates separate staging directories for users other than the expected impersonation user.</p> <p>Workaround for non-ESP-enabled HDInsight 4.0 clusters: Set the following properties on the cluster:</p> <ul style="list-style-type: none"><li>- Set "Run as end user instead of Hive user" (doAs) to TRUE.</li><li>- Enable hive.metastore.execute.setugi.</li></ul> <p>Workaround for ESP-enabled HDInsight 4.0 clusters: set "Run as end user instead of Hive user" (doAs) to FALSE.</p> <p>Microsoft ticket number: 120072723000878.</p>
BDM-34066	<p>When you import a Cloudera CDH compute cluster configuration directly from the cluster, the cluster configuration does not include the hive-site.xml file.</p> <p><b>Workaround:</b> Download all *-site.xml files from the Hadoop cluster as a .zip file and import the compute cluster configuration from the archive file.</p> <p>Cloudera ticket: 697586</p>
BDM-33828	<p>When the Spark engine runs a mapping on a Cloudera CDP cluster, the mapping fails with the following SPARK_1003 error:</p> <p>MetaException (message:Permission denied: user [&lt;impersonation user&gt;] does not have [SELECT] privilege on [default])</p> <p><b>Workaround:</b> In Ranger, add SELECT privileges to the default database for all users who run Spark queries.</p> <p>Cloudera ticket: CDPD-12622</p> <p>For more information, see <a href="#">Cloudera 7.1.1 Release Notes</a>.</p>
BDM-31657	<p>When the Spark engine runs a mapping that uses the Hive Warehouse Connector to write to a Hive target, the mapping fails if a column name in the target contains a special character.</p> <p>The mapping fails with the following error:</p> <pre>java.lang.IllegalArgumentException: Missing required char ':' at 'struct&lt;&lt;table name&gt;&gt;'</pre> <p>Cloudera ticket: 751777</p>
BDM-28598	<p>When the Spark engine processes an input value of zero in a decimal port that is configured with equivalent precision and scale, the engine treats the value as data overflow and the return value is NULL on a Hortonworks HDP 3.1 cluster.</p> <p>Cloudera ticket reference number: 635063</p>
BDM-25513	<p>When you have a mapping with a Hive ACID source and target tables that runs on the Spark engine, the Summary Statistics view does not reflect any throughput statistics for the mapping job.</p> <p>Cloudera ticket reference number: 00225986</p>
BDM-23104	<p>The Spark engine cannot write data to a bucketed Hive target if the Hadoop distribution is MapR.</p> <p>MapR case number: 00074338</p>
BDM-4674	<p>A mapping with an Update Strategy transformation fails at run time if the Hive target has more than one primary key.</p> <p>Apache Hive ticket reference number: HIVE-19911</p>

Issue	Description
BDM-37988	<p>When the Blaze engine runs a mapping on a MapR 6.1 cluster, the mapping fails if it reads from or writes to an Avro-formatted file stored on Hive.</p> <p>The mapping fails with the following error:</p> <pre>[GRIDDTM_1016] The Integration Service failed to execute grid mapping with following error [An internal exception occurred with message: java.lang.RuntimeException: Failure to execute Query &lt;query&gt; on the hive Server.]</pre> <p>MapR ticket number: 00101221</p>
BDM-34066	<p>When you import the cluster configuration directly from Cloudera and you choose to create associated connections, the import wizard fails to create a Hive connection and displays the following error: [EDR_1069] Failed to resolve the option [connectstring] of connection [HIVE_cco_ac] because the associated cluster configuration [CCC_AC] does not contain the property [hive, metastore, uris].</p> <p>Workaround:</p> <ol style="list-style-type: none"> <li>1. Create the cluster configuration by importing the configuration from an archive file.</li> <li>2. Edit the Hive connection to fix the metadata connection string and data access connect string to point to the compute cluster.</li> </ol> <p>Cloudera ticket number: OPSAPS-57696</p>

## Emergency Bug Fixes Merged into 10.5.1

Informatica merged Emergency Bug Fixes (EBFs) from previous releases into version 10.5.1. These EBFs provided fixes for issues that were found in previous releases.

For a list of EBFs that were merged into version 10.5.1, see the following Informatica Knowledge Base article:

[https://knowledge.informatica.com/s/article/FAQ-What-are-the-Emergency-Bug-Fixes-EBFs-merged-into-Informatica-10-5-1?language=en\\_US](https://knowledge.informatica.com/s/article/FAQ-What-are-the-Emergency-Bug-Fixes-EBFs-merged-into-Informatica-10-5-1?language=en_US)

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