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Read the *Informatica® Release Notes* to learn about known limitations and fixes associated with version 10.4.1. 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 10.4.1.

Technical Preview Support

Technical Preview Initiated

Effective in version 10.4.1, Informatica includes the following functionalities for technical preview:

Cloudera Data Platform Integration

For Data Engineering Integration, you can use Cloudera Data Platform (CDP) as a compute cluster to execute data engineering jobs in the Hadoop environment. You can use Cloudera CDP when you run data engineering jobs on the Spark engine. Cloudera CDP is not supported on the Blaze engine.

Cloudera CDP uses a base cluster and workload clusters to execute data engineering jobs. This architecture allows you to deploy workloads and share data among components by utilizing a shared catalog, unified security, consistent governance, and data life cycle management.

You can use Cloudera CDP clusters when you run a mapping in the Hadoop environment with the following connections:

- PowerExchange for Amazon Redshift
- PowerExchange for Amazon S3
- PowerExchange for Microsoft Azure Blob Storage
- PowerExchange for Microsoft Azure CosmosDB SQL API
- PowerExchange for Microsoft Azure Data Lake Storage Gen1
- PowerExchange for Microsoft Azure Data Lake Storage Gen2
- PowerExchange for Microsoft Azure SQL Data Warehouse
- PowerExchange for Google Cloud Storage
- PowerExchange for Google BigQuery
- PowerExchange for Google Analytics
- PowerExchange for Google Cloud Spanner
- Sqoop

You can also use Cloudera CDP when you run a mapping that uses a PowerExchange for HDFS connection to read from a source in the native environment or the Hadoop environment.

For more information, see the *Informatica® Data Engineering 10.4.1 Integration Guide*.

Rollover parameters for Amazon S3 and ADLS Gen2 targets

For Data Engineering Streaming, you can use different rollover parameters for Amazon S3 and ADLS Gen2 targets to decide the rollover time or size for each target.

SAP S/4HANA resource

For Enterprise Data Catalog, you can extract metadata from the SAP S/4HANA data source. For more information, see the *Informatica® 10.4.1 Enterprise Data Catalog Scanner Configuration Guide*.

Service and Resource Log Collection

Effective in version 10.4.1, you can collect logs for resources based on the resource name. You can also collect logs for the services such as HBase, Solr, ingestion, and the Catalog Service. You can collect the logs using the infacmd CLI, REST APIs, or the Catalog Administrator. For more information, see the Enterprise Data Catalog Utilities section in the *Informatica® 10.4.1 Catalog Administrator Guide*.

Uninterrupted Catalog Backup

Effective in version 10.4.1, you can back up the catalog without disabling the Catalog Service. You can back up the catalog using the `infacmd` CLI, REST APIs, or the Catalog Administrator. For more information, see the Enterprise Data Catalog Utilities section in the *Informatica® 10.4.1 Catalog Administrator Guide*.

Technical preview functionality is supported for evaluation purposes but is unwarranted and is not production-ready. Informatica recommends that you use in non-production environments only. Informatica intends to include the preview functionality in an upcoming release for production use, but might choose not to in accordance with changing market or technical circumstances. For more information, contact Informatica Global Customer Support.

Technical Preview Lifted

Effective in version 10.4.1, the following functionalities are lifted from technical preview:

Python transformation on Databricks

For Data Engineering Integration, you can include the Python transformation in mappings configured to run on the Databricks Spark engine.

SAP BW, SAP BW/4HANA, and IBM InfoSphere DataStage resources

For Enterprise Data Catalog, you can extract metadata from the SAP BW, SAP BW/4HANA, and IBM InfoSphere DataStage sources. For more information, see the *Informatica® 10.4.1 Enterprise Data Catalog Scanner Configuration Guide*.

Deferment

This section describes the deferment changes in version 10.4.1.

Deferment Lifted

Effective in version 10.4.1, the following functionalities are no longer deferred:

- Multiple targets with JMS source in a streaming mapping.

IPv6 Support

Effective in version 10.4.1, Informatica supports Internet Protocol version 6 (IPv6) address format in addition to the IPv4 address format.

Ensure that the domain or services have the same address format as the corresponding database instance. Both the node and the database host must be on the same address format. You can also use the Internet Protocol version 6 (IPv6) to connect to IPv6-enabled databases from Informatica Developer or PowerCenter hosted on machines configured with IPv6.

The following table lists the supported connections that you can use from the PowerCenter Client or Developer tool:

Connection	Tool
DB2	PowerCenter Client, Developer tool
JDBC	Developer tool
Microsoft SQL Server	PowerCenter Client, Developer tool
ODBC	PowerCenter Client, Developer tool
Oracle	PowerCenter Client, Developer tool
Sybase ASE	PowerCenter Client
Sybase IQ	PowerCenter Client

In the database-specific connection properties from the PowerCenter Client or the Developer tool, specify the host name or IP address to connect to the database hosted on the IPv6 network.

For more information about IPv6 support, see <https://network.informatica.com/docs/DOC-16182> and <https://kb.informatica.com/proddocs/PAM%20and%20EOL/1/Informatica%20Support%20Statement%20for%20IPv6.pdf>

Distribution Support

In each release, Informatica can add, defer, and drop support for the non-native distributions and distribution versions. Informatica might reinstate support for deferred versions in a future release. To see a list of the latest supported versions, see the Product Availability Matrix on the Informatica Customer Portal:

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

Licensing for Resources

Effective in version 10.4.1, you need an additional license to use the following resources in Enterprise Data Catalog:

- SQL Server Integration Service
- SAP BW
- SAP BW/4HANA
- IBM InfoSphere Datastage

Contact Informatica Global Customer Support to get an additional license.

Installation and Upgrade

Installer Changes

Informatica version 10.4.1 is a hotfix release. You can apply the hotfix to 10.4.0, or you can upgrade from a supported release. You can run the Informatica installer to install 10.4.1 product installation binaries if these are not present in the machine where you run the installer.

Informatica version 10.4.1 also supports 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. Refer to those individual upgrade guides for information.

Data Privacy Management

When you install Data Privacy Management, you can install Data Engineering products and Enterprise Data Catalog and create the services. If you have Data Engineering and Enterprise Data Catalog installed, you can run the installer to install Data Privacy Management on top of those products.

Test Data Management

When you create a domain, the Test Data Management binaries are installed and the directory structure is created with both the TDM and TDW folders. To configure Test Data Management, refer to the *Test Data Management Configuration Guide*.

Apply and Roll Back the Hotfix

Informatica 10.4.1 is a hotfix release that you apply to version 10.4.0. When you apply the hotfix, the installer backs up existing directories, installs the new version of the product, and restores or updates required configuration and run-time files.

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

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

1. Complete the preliminary tasks. Before you apply or rollback the hotfix, ensure that you shut down the domain. For a multi-node configuration, you also need to shut down all the nodes.
2. Apply or roll back the hotfix to the Informatica services in 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.

Preliminary Tasks

Complete the pre-installation 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`.

Applying or Rolling Back the Hotfix 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 10.4.1 page, select **Apply hotfix to Informatica 10.4.0 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 in Console Mode

When you apply the hotfix in console mode, the words 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 10.4.0 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. 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 in Silent Mode

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

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

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

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

Property Name	Description
INSTALL_TYPE	Indicates whether to apply the hotfix or roll back the hotfix. If the value is 0, the installer applies the hotfix to the current Informatica installation. If the value is 1, the installer rolls back the current hotfix.
USER_INSTALL_DIR	Directory for the Informatica installation on which to apply or roll back the hotfix. To apply the hotfix to the Informatica services, enter the absolute path for the directory in which the current version of the Informatica services is installed. To 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 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 https://www.informatica.com/in/privacy-policy.html . 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	Specify the environment type associated with the Informatica services installation. <ul style="list-style-type: none">• 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.

5. Save the properties file with the name `SilentInput.properties`.
6. Open a command window.
7. Go to root of the server or client installer directory.
8. Verify that the directory contains the `SilentInput.properties` file that you edited and saved.
9. Begin the installation from Windows, UNIX, or Linux.

- To apply 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.

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 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 10.4.1 page, select **Apply hotfix to Informatica 10.4.0 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 for the 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) 1993-2020 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: /home/<user name>/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=/home/Informatica/10.4.0

#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 for the 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) 1993-2020 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\10.4.0

#####
# 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 10.4.1 Hotfix

After you apply the hotfix, you must complete the final tasks for the 10.4.1 product components.

Complete the Mapping Architect for Visio Configuration

After you apply 10.4.1 HotFix to the PowerCenter Client on Windows, Mapping Architect for Visio fails to start.

Workaround for Windows 64-bit:

1. After you apply the hotfix, navigate to **Uninstall a Program** through the Control Panel, and uninstall the **Informatica Mapping Template**.
2. To create Mapping Architect for Visio binaries, go to the following `visio` folder and install the Informatica Mapping Template:

<Informatica client installation directory>\clients\PowerCenterClient\visio

To install, complete the following steps:

1. Run the setup.exe file as an Administrator.
2. In the Informatica Mapping Template Setup Wizard, set the mapping template path to <Informatica client installation directory>\clients\PowerCenterClient\client\MappingTemplate to install for **Everyone**.

Verify that the installation completes successfully.

3. Set the JAVA_HOME and MAPFWK_HOME environment variables in the Configurations.xml file present in the <Informatica client installation directory>\clients\PowerCenterClient\client\MappingTemplate path.
 - Set JAVA_HOME to <Informatica client installation directory>\clients\java\32bit
 - Set MAPFWK_HOME to <Informatica client installation directory>\clients\PowerCenterClient\MappingSDK
4. To start the Mapping Architect for Visio, launch the MappingTemplate.vst from the following path:
<Informatica client installation directory>\clients\PowerCenterClient\client\MappingTemplate

Workaround for Windows 32-bit:

1. Set the JAVA_HOME and MAPFWK_HOME environment variables in the Configurations.xml file present in the <Informatica client installation directory>\clients\PowerCenterClient\client\MappingTemplate path.
 - Set JAVA_HOME to <Informatica client installation directory>\clients\java\32bit
 - Set MAPFWK_HOME to <Informatica client installation directory>\clients\PowerCenterClient\MappingSDK
2. To start the Mapping Architect for Visio, launch the MappingTemplate.vst from the following path:
<Informatica client installation directory>\clients\PowerCenterClient\client\MappingTemplate

(CORE-8952)

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.

Complete Configuration 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 10.4.1.

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.

After you Upgrade to 10.4.1

Complete the post configuration tasks when you upgrade to 10.4.1.

PowerExchange Adapters for Informatica

This section describes the release tasks for PowerExchange adapters in version 10.4.1.

Post-Upgrade Changes for Informatica PowerExchange for SAP NetWeaver

ABAP Program in Stream HTTP or HTTPS Mode

When you upgrade to version 10.4.1, you cannot use the ABAP program in stream HTTP or HTTPS mode. Informatica dropped support for extracting data from SAP tables with ABAP program in stream HTTP or HTTPS mode in version 10.4.0. The stream RFC mode continues to be supported.

You must use PowerExchange for SAP Dynamic ABAP Table Extractor to read data from SAP tables and ABAP Core Data Services (CDS) views through HTTP/HTTPS streaming. You can read data from ABAP CDS views if your SAP NetWeaver system version is 7.50 or later.

For more information, see the *Informatica 10.4.1 PowerExchange for SAP NetWeaver User Guide*.

Post-Upgrade Changes for Informatica PowerExchange for Microsoft Azure Data Lake Storage Gen1

If you upgrade from versions earlier than 10.2.2 to version 10.4.1 and the existing mappings were configured to create a header row in the target, after upgrade when you run the existing mappings, headers are not created in the target.

To generate the headers, you can import the target object again, enable the **Import column names from the first line** option, and run the mapping again.

Post-Upgrade Changes for Informatica PowerExchange for Snowflake

After you apply the 10.4.1 hotfix or upgrade from versions earlier than 10.4.0 to version 10.4.1, you must set the **Additional JDBC URL Parameters** connection property as `jdbc_query_result_format=json` when you use an AIX machine.

PowerExchange Adapters for PowerCenter

This section describes the release tasks for PowerExchange adapters in version 10.4.1.

Post-Upgrade Changes for PowerExchange for Snowflake for PowerCenter

After you apply the 10.4.1 hotfix or upgrade from versions earlier than 10.4.0 to version 10.4.1, PowerExchange for Snowflake includes the following updates:

- You must set the **Additional JDBC URL Parameters** connection property as `jdbc_query_result_format=json` when you use an AIX machine.
- You must specify the Java heap space memory in the PowerCenter Integration Service properties to avoid failures of mappings and mapping tasks that read data from Snowflake. The mappings fail because of the JDBC driver upgrade on the 10.4.1 release.
Configure the heap size value in the **JVMOption1** property as 256 MB or higher.

For more information, see the *Informatica 10.4.1 PowerExchange for Snowflake User Guide for PowerCenter*.

Post-Upgrade Changes for PowerExchange for HANA for PowerCenter

After you upgrade to version 10.4.1, you need a PowerExchange for HANA license to read data from SAP HANA sources and write data to SAP HANA targets.

You must have the SAP HANA license enabled and set the ODBC subtype property to SAP HANA for sessions to run successfully after the upgrade.

Non-unicode Transports for PowerExchange for SAP NetWeaver

Effective in version 10.4.0, Informatica dropped support for non-unicode transports, and ships the unicode transport versions ECC 5.0 and later. You can find them in the following folders:

- Unicode cofiles: Informatica installer zip file/saptrans/mySAP/cofiles
- Unicode data files: Informatica installer zip file/saptrans/mySAP/data

For more information, see the *PowerExchange for SAP NetWeaver 10.4.1 Transport Versions Installation Notice*.

Post-Installation and Post-Upgrade Steps for the Reference Data Database

To run mappings that use reference tables on the Spark engine, perform the following steps after you install or upgrade to 10.4.1:

1. Download the files that support JDBC connections for the reference data database.
2. Configure custom properties on the Data Integration Service.

Note: You do not need to perform the steps for the reference data database if either of the following conditions are true:

- You upgrade from an Informatica version in which the steps are already complete.
- You apply the hotfix to an Informatica version in which the steps are already complete.

The release notes for version 10.2.2 Service Pack 1, 10.2.2 HotFix 1, and 10.4.0 include the steps.

To find the reference data database that the Data Integration Service uses, examine the Content Management Service that the domain associates with the Data Integration Service. The Content Management Service identifies the reference data database connection. (BDM-17909)

Download the JDBC .JAR Files

Download the files that support JDBC connections on the reference data database. Copy the files to the Informatica services machine.

1. Obtain the JDBC .jar files that correspond to the reference data database that you use. You can download the files from the database vendor web site.
2. Copy the file that you download to the following location: <INFA_HOME>/externaljdbcjars

Configure Custom Properties on the Data Integration Service

Configure the custom properties in the Data Integration Service. Add the custom property that relates to the database type of the reference data database.

1. Open the Administrator tool and select the Data Integration Service in the Domain Navigator.
2. Find the Custom Properties option on the **Properties** tab.
3. Open the **Edit Custom Properties** dialog box.
4. Create a custom property for the reference data database.

The following table describes the custom properties that you can set for each database type:

Database Type	Property Name	Property Value
IBM DB2	ExecutionContextOptions.SparkRefTableHadoopConnectorArgs	--driver com.ibm.db2.jcc.DB2Driver --connect jdbc:db2://[db_hostname]:[port]/[database_name]
Microsoft SQL Server	ExecutionContextOptions.SparkRefTableHadoopConnectorArgs	--connect jdbc:sqlserver://[db_hostname];databaseName=[database_name]
Oracle	ExecutionContextOptions.SparkRefTableHadoopConnectorArgs	--connect jdbc:oracle:thin:@[db_hostname]:[port]:[sid]

5. Recycle the Data Integration Service.

Manually Update Configuration Files

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

10.4.1 Fixed Limitations and Closed Enhancements

Installation and Upgrade Fixed Limitations (10.4.1)

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

The following table describes fixed limitations:

Bug	Description
PLAT-26239	The value of the parameter JavaOptions in Microsoft Windows registry begins with the double quotes.

Application Service Fixed Limitations (10.4.1)

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

The following table describes fixed limitations:

Bug	Description
MRS-2272	When you run the infacmd updateExportXML command, the following error appears if the file contains invalid XMLtags. Failed to validate the readable XML file.
MRS-2285	In the Model Repository, the contents of the PO_REQUESTRESPONSE table is never purged by the Model Repository Service.

Business Glossary Fixed Limitations (10.4.1)

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

The following table describes fixed limitations:

Bug	Description
BG-1516	In the Related Assets section of the business term view, you cannot sort the properties, such as the data assets, rule assets, and profiles.

Data Engineering Integration Fixed Limitations and Closed Enhancements (10.4.1)

Fixed Limitations

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

The following table describes fixed limitations:

Issue	Description
BDM-34082	When you do not add rule input columns to the scoreboard, the mapping fails.
BDM-33152	When you run a mapping that is not open in the editor, the mapping fails to run with "java.lang.IllegalArgumentException" error message. After the error occurs, the option to run the mapping is grayed out.
BDM-33000	Random masking in a Data Masking transformation does not retain the original number of characters in the masked result if you do not enter a range.
BDM-32577	When the Spark engine runs a mapping, the mapping fails to write to the target when the following conditions are true: <ul style="list-style-type: none">- The mapping reads from a binary complex file data object.- The mapping writes to a flat file target.- The mapping uses Kerberos authentication.- The mapping runs on HDP 3.1.5 or HDI 3.6 ADLS Gen 1 clusters.
BDM-32491	When a domain refresh update takes more than the refresh interval time, the instance needs to be logged in node log file.
BDM-32169	When you run a dynamic mapping that uses an input rule to rename generated ports and retain the port order of the nearest transformation with static ports, the mapping does not rename the ports and does not retain the port order in the target.
BDM-31871	A mapping that runs on Blaze, and that has "Support mixed-case identifiers" enabled in the Hive connection with any SQL Identifier Character, fails with an error like: "Failed to fetch the location of the database."
BDM-31557	When you search for a relational object to import, the search takes an excessive amount of time.
BDM-31474	When the Data Integration Service runs a large number of rules against a moderately sized data set for multiple hours, and the mapping contains more than one Joiner transformation having a single source, the JVM where the Data Integration Service resides crashes.
BDM-30882	When you configure a Data Masking transformation, the Select Source button for the dictionary connection is not visible unless you maximize the dialog box.

Issue	Description
BDM-30691	When the Spark engine runs a flat file to flat file mapping that is configured with an Azure HDInsight 3.6 cluster and ADLS Gen2 storage, the mapping fails with the following error: <pre><MappingCompiler-pool-4-thread-1> SEVERE: Data integration service failed to create DTM instance because of the following error: java.lang.RuntimeException: java.lang.RuntimeException: java.lang.NoSuchMethodError: org.apache.hadoop.fs.permission.FsPermission.toOctal()S</pre>
BDM-29520	When you cancel a data preview job on the Spark engine, the behavior is unpredictable.
BDM-28937	The Data Integration Service does not recover mappings configured to run on the Spark engine that have mapping outputs even if you enable data engineering recovery for the mapping.
BDM-28882	When you enable data engineering recovery, the Monitor view of the Administrator tool does not display summary statistics for recovered jobs if the Data Integration Service stops after the application is submitted to the cluster.

Closed Enhancements

The following table describes closed enhancement requests:

Issue	Description
BDM-32476	Effective in version 10.4.1, a Spark job that runs on a Hadoop cluster uses the delegation tokens fetched from the cluster, and not from the Data Integration Service.

Data Engineering Streaming Fixed Limitations (10.4.1)

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

The following table describes fixed limitations:

Bug	Description
IIS-4658	A streaming mapping with JMS as source and multiple targets fails with <code>FileNotFoundException</code> error.
IIS-4596	Data loss happens when you run JMS mappings on highly available clusters. Data loss also happens for monitoring statistics when you run mappings on highly available clusters.
IIS-4532	Mapping containing Python transformation with external library fails.
IIS-4530	Memory leak happens in Python transformation.
IIS-4505	DES scanner fails when you use Confluent Kafka as source in JSON or XML and target in Avro data format.
IIS-4278	When you run mappings on Amazon EMR with Kerberos authentication in an SSL cluster, you can only view the monitoring statistics with a secured YARN ResourceManager HTTPS URL.
IIS-4232	When JMS mappings run on Spark version 2.4 and above, the mappings fail.

Bug	Description
IIS-4118	The authentication on IBM MQ fails for the mappings with JMS as source. With 10.4.0.1, this is only applicable for HDInsights.
IIS-4016	When the Spark engine writes to Amazon S3 target files, the file rollover process fails in Cloudera CDH versions 6.2 and 6.3 with the following error: <code>java.lang.NoClassDefFoundError: org/apache/hadoop/tools/DistCp</code>

Data Privacy Management Fixed Limitations (10.4.1)

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

The following table describes fixed limitations:

Bug	Description
SATS-21091	You cannot specify case sensitivity for a relational database when you create a data store.
SATS-18880	Secure JDBC parameters are not passed to the Test Data Management connection that you create from a data store when you run a protection task for the data store.
SATS-18831	If you import sensitive fields through a CSV file, the fields that do not exist in Enterprise Data Catalog are not rejected.
SATS-17523	A SYNC_CATALOG_UPDATES job triggers every 45 minutes even if there are no changes or updates.
SATS-17522	The Subject Registry page takes a while to load if the external HBase database is configured as a service on Cloudera.
SATS-14387	You cannot import a data store with a schema value.
SATS-14210	A user that does not have subject registry privilege but has view and edit task and export privileges can view and download DSAR reports.
SATS-14208	The DSAR Task Details tab generates a <code>Not Authorized</code> error and becomes unresponsive even if the user has all required DSAR privileges.

Enterprise Data Catalog Fixed Limitations and Closed Enhancements (10.4.1)

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

The following table describes fixed limitations:

Bug	Description
EIC-11706	Enterprise Data Catalog does not support trusted Certification Authority (CA)-signed certificates for the existing cluster when Yarn is enabled for SSL.
EIC-12424	Metadata load from a PowerCenter resource to catalog fails due to <code>DataValidationException</code> errors.

Bug	Description
EIC-18098	The embedded cluster pre-validation verification does not include verification of chronyd if NTP is not installed.
EIC-19361	After the Informatica Cluster Service fails to start, the copyHdpRepo.sh script continues to run utilizing system resources.
EIC-19389	Cannot configure user permissions to edit resource configuration based on requirement.
EIC-25255	Keytab files on HDFS is accessible to all users and this might be a security risk.
EIC-25936	Enterprise Data Catalog upgrade fails with ERROR - [Data_Upgrade] module upgrade failed error.
EIC-25946	Resource purge becomes unresponsive while metadata ingestion is in progress.
EIC-26325	Security vulnerabilities identified on embedded cluster nodes.
EIC-26393	The metadata ingestion job becomes unresponsive after you perform a bulk import to update business titles followed by running data domain propagation.
EIC-26764	Enterprise Data Catalog does not allow you to start the Informatica Cluster Service with PostgreSQL running on a custom port.
EIC-27358	The Catalog Service stops during ingestion with a uniqueness constraint violation error.
EIC-28050	User accounts without sudo permissions can run some commands that require sudo permissions.
EIC-40162	The Informatica Cluster Service creation fails if the service creation had failed earlier.
EIC-5134	The ingestion process does not warn when the max.ingest.facts.int threshold limit is exceeded. The process continues till it crashes or becomes unresponsive.
EIC-28580	When you submit an object import job using the POST <CatalogAdmin>:<port>/access/2/catalog/jobs/objectImports REST API, the import job runs indefinitely after the job fails.
LDM-7762	Deploying Enterprise Data Catalog on an embedded cluster running on SuSE Linux Enterprise 12 fails. Workaround: To resolve the issue, create a soft link to the following command: /usr/pgsql-9.6/bin/postgresql96-setup initdb
EIC-26655	Enterprise Data Catalog displays incomplete lineage and impact information in the Compact view for a tabular asset that contains public synonyms.
EIC-26636	After you run an Informatica Data Quality resource to extract the profile results, Catalog Administrator does not display associated resource reference objects in the Reference Resources section.
EIC-26478	Metadata fetch fails with Failed to read input file: >>>NEED_WHOLE_FILE error if the parquet file size exceeds 15 MB.
EIC-26266	When you drill down on a seed asset to display the child assets in the lineage and impact view, Enterprise Data Catalog displays incomplete lineage and impact information. This issue occurs for a non-administrator user that does not have the required permissions to view the assets.

Bug	Description
EIC-26052	Deleting an Informatica Data Quality resource fails with an OutOfMemory error. Workaround: Increase the value of the executor-memory parameter in Enterprise Data Catalog to configure more memory for the spark executor. For more information about tuning Enterprise Data Catalog for optimal performance, see the <i>Enterprise Data Catalog Performance Tuning</i> guide.
EIC-24622	If assets from different resources are repeated in the compact view, the view does not display all the links in the origins or destinations.
EIC-24591	After you upgrade Informatica Enterprise Data Catalog to version 10.4.0, the Catalog takes longer than usual to open the Application Configuration page.
EIC-24516	After you add the custom attribute on the Application Configuration page, Enterprise Data Catalog does not retain the property values of a custom attribute of the string type in the Catalog Administrator.
EIC-24290	The IBM Datastage resource scan fails with the following error due to a null pointer exception: java.lang.StackOverflowError Workaround: Set the JVM Options property value to <code>-Xss10m</code> when you configure the resource.
EIC-23297	The data owner, data steward, and subject matter expert of a reference resource cannot certify the data elements and data objects in the resource.
EIC-21462	For the Microsoft Power BI resource, duplicate asset names and paths are displayed in the Asset Lineage Summary tab in Enterprise Data Catalog.
EIC-17392	When you run profiles on the Azure Data Lake Store Gen2 resource, the profile result fetcher task fails with <code>null pointer exception</code> error.
EIC-39423	The Unique Key Inference fails on the SSL-enabled domain.
EIC-39923	When you run a profile on a Salesforce resource, the Data Integration Service uses the username from the General tab in the Salesforce resource instead of source details of the EDR connection.
EIC-28651	When you run a profile on an Amazon Redshift resource that contains views, the profile run fails.
EIC-28565	When you run a profile on the File System resource that contains small number of files, the profile run takes longer time to complete.
EIC-19106	In Catalog Administrator, you can view the Data Provisioning tab for all the resources including Oracle and Microsoft SQL Server resources.
EIC-19231	Enterprise Data Catalog displays an error when you add a data domain that has a japanese name.
EIC-20614	Enterprise Data Catalog fails to display the accepted data domain in the data domain Overview section.
EIC-27162	When you scan unstructured files, the Filesystem resource fails with an <code>out of memory error</code> .
EIC-27252	The profile run fails due to the data similarity mapping error.
EIC-14099	You cannot view the lineage for an SSIS resource if you select an SSIS package that contains stored procedure.

Bug	Description
EIC-16494	The PowerCenter resource fails with the following error: java.lang.Exception: java.lang.NoSuchMethodError
EIC-20360	For relational resources such as Teradata, you cannot view the view objects that have dependent tables from other schemas in the Catalog.
EIC-23000	The Apache Atlas resource does not display the deleted or dropped tables in the lineage.
EIC-26493	The Catalog Service fails with the following error when you assign Microsoft SQL Server connections to a PowerCenter resource: java.lang.IllegalStateException: Multiple properties exist for the provided key, use Vertex.properties(core.resourceName)
EIC-26812	The Oracle resource extracts the database name of the data source from the instance name instead of the database name when you use an Oracle Real Application Clusters (Oracle RAC) as the data source.
EIC-25120	For SAP BW and SAP BW/4HANA resources, you cannot view the asset type of a query object in the Contains tab.
EIC-23312	For an InfoObject as InfoProvider asset, you cannot view attributes such as length and data type in the Catalog.
EIC-24502	The Oracle resource does not extract metadata from tables that are not included in the sys schema.
EIC-13503	You cannot add a hyperlink value to a custom attribute of Rich Text datatype.
EIC-19230	You cannot view the associated business terms for assets in the Assigned section of the data domain Overview tab
EIC-20865	If you import a Business Glossary resource which contains a business term with a name starting with a slash (/), the Catalog Service goes down.
EIC-21954	You cannot view the notifications of a Tableau workbook even after you follow the asset changes.
EIC-28271	The LDAP users with required permissions are unable to view the search tabs.
EIC-28480	The Catalog Service fails with the following error: ERROR executor.Executor: Exception in task 0.0 in stage 2.0 (TID 48)java.lang.IllegalStateException: Vertex with id 85196504 was removed. This issue occurs if there is a reference of a vertex even after the vertex is deleted from the graph database.
EIC-28591	The Lineage and Impact summary view does not display asset links if the lineage or impact view contains synonym assets.

Closed Enhancements

The following table describes closed enhancement requests:

Issue	Description
EIC-21564	Effective in version 10.4.1, you must have one of the following privileges to export the Tableau TDE file for Hive, Oracle, or Teradata tables: <ul style="list-style-type: none">- Metadata and Data Read- All Permissions
EIC-7904	Effective in version 10.4.1, you can configure the SSIS resource to extract metadata from the SSIS database.
EIC-16099	Effective in version 10.4.1, you can configure the following resources to view the field-level lineage for a source or target flat file in the Catalog: <ul style="list-style-type: none">- PowerCenter- SQL Server Integration Service- Informatica Cloud Service- IBM InfoSphere DataStage- Informatica Platform
EIC-26689	Effective in version 10.4.1, Catalog Administrator validates the synonym file that you upload for search and business term association.

Enterprise Data Preparation Fixed Limitations (10.4.1)

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

The following table describes fixed limitations:

Bug	Description
IDL-16620	If there a more number of worksheets in a project, launching of preparation of the worksheets exhibits poor performance.
IDL-16454	Cannot scan parquet files with different run_id and partitioning part files.
IDL-16203	The downloaded CSV file shows the incorrect data for double datatype.
IDL-15787	Recommendation panel shows the recently published file.

Mappings and Workflows Fixed Limitations (10.4.1)

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

The following table describes fixed limitations:

Bug	Description
MWF-1798	The Data Integration Service can fail to find sufficient heap memory to write process data to the workflow database.

Metadata Manager Fixed Limitations (10.4.1)

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

The following table describes fixed limitations:

Bug	Description
MM-5227	Cannot load the Business Object resource for SAP BusinessObjects 4.2 SP06 release.

PowerCenter Fixed Limitations (10.4.1)

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

The following table describes fixed limitations:

Bug	Description
PLAT-26224	For Informatica installation on AIX in 10.2 HotFix 2, the <code>Version.txt</code> file of Informatica 10.2 HotFix 2 shows incorrect java version.
OCON-17924	If you enable the Sybase connection for Kerberos authentication and run the session, the session fails.
CORE-8400	When you run a mapping with Expression transformation to calculate MD5 by passing empty string as input, the MD5 function returns NULL value instead of the actual value.

Profiles and Scorecards Fixed Limitations (10.4.1)

The following table describes known limitations:

Bug	Description
IDE-904	When you run a column profile on an ODBC data source, the following exception appears: Statistics Helper class not found
IDE-4809	When you run a column profile on a Greenplum schema that contains multiple large tables, the Data Integration Service does not initiate query pushdown but creates large sorter cache files.
IDE-4797	In the Developer tool, when you import an XML profile definition from another domain and then run the column profile, the following error appears: B2B folder does not exists
IDE-475	When you run a column profile with a filter, the Data Integration Service filters the data and does not initiate filter query pushdown to the database.
IDE-4748	When you run a column profile on an XML or JSON file, a null pointer exception appears if the profile contains a rule.
IDE-4634	In the Developer tool, incorrect domain details appear for a scorecard if multiple Model Repository Services are available in the Developer tool.

Bug	Description
IDE-4631	In Informatica Administrator, the scorecard job log shows Failed on the Monitoring tab after the scorecard runs successfully. This issue appears when the Administrator tool restarts a scorecard run after it fails due to a DTE error and during the scorecard run, the job status shows Failed.
IDE-4622	When you run a column profile with rules, the profile run is successful but no rule results appear. When you click the column with the rule, the rule results appear but the following error appears when you click the rule name in the profile results: No value frequency results.
IDE-4616	When you run a scorecard multiple times, some scorecard results do not persist in the profiling warehouse and no trend charts appear for these scorecard runs.
IDE-4615	When you change a logical data object after you create and run a scorecard on it, the scorecard metrics disappear.
IDE-4612	When you run a scorecard, a null pointer exception appears in the Analyst tool. When you fetch the scorecard logs from the Administrator tool, the following error appears: No log file has been generated under /logs/<node_name>/services/DataIntegrationService/disLogs/profiling
IDE-4611	When you create and run a scorecard on a Hive data source that contains columns with array or struct data types, a null pointer exception appears.
IDE-4608	In the Analyst tool, when you export the column profile results, the export fails with the "Failed- No file" error. This issue appears when the Analyst Service and Data Integration Service run on different nodes and the operating system profile is enabled for Data Integration Service.
IDE-4606	When you drill down into columns with decimal data type, the drilldown fails with "BigDecimalType" error in the Developer tool and "Unable to fetch profile results" error in the Analyst tool. This issue appears if the NLS_LANG setting contains an European locale that uses comma separators.
IDE-4590	After you upgrade from version 10.2 HotFix 2 to version 10.4, the Profile Now option is grayed out.
IDE-4589	When run a scorecard on a Redshift data object using command line or on a schedule, the scorecard run fails but is successful when you run it in the Analyst tool.
IDE-4576	When you drill down into a metric in a scorecard, the drilldown fails with the following error: Cannot add all the objects in an containment collection to itself
IDE-4575	After you upgrade from version 10.2 HotFix 1 to version 10.2 HotFix 2, the infacmd ps Execute command fails intermittently when it is run concurrently.
IDE-4564	In the Analyst tool, when you right-click a column to add it to the reference table, the Step 4 of 4 page of the Add to Reference table wizard shows incorrect reference table name.
IDE-4536	In the Analyst tool, when you create a column profile, the filter preview does not show any results if you are not have assigned the default operating system profile.
IDE-4533	When you drill down into the profile results for a flat file or relational data object, the drilldown fails if the profile contains a rule. When you drill down in the Developer tool, no error appears. When you drill down in the Analyst tool, the following error appears: Failed to fetch the drill down results
IDE-4486	When you run a column profile on the Hive data source, the empty columns are displayed as null values in the profile results. This issue appears when you run the profile on the Spark engine.

Bug	Description
IDE-4425	In a scorecard, when you drill down into a column that uses a reusable rule, only one column appears in the drilldown results.
IDE-4412	In the profile results for a Hive table, when you drill down into a column with data type Date(cyymmdd), the Analyst tool does not respond if you have run the profile on the Blaze engine.
IDE-4380	The validation environment reverts to Hive (Deprecated) from Hadoop when the following conditions are true: 1. In version 10.2.1, you create and run a column profile with Hive (Deprecated) as the validation environment. 2. You export the profile definition to an XML file. 3. You upgrade to version 10.2.2 and then run the <code>infacmd mrs upgradeexportedobjects</code> command. 4. You import the profile definition into version 10.2.2. 5. You open the profile definition, assign Hadoop as the validation environment, and then save it. 6. You open the profile definition.
IDE-4315	In the Developer tool, when you export the column profile results for a Hive table that contains empty columns, special characters and ORA_EMPTY appear for the empty columns in the Microsoft Excel file. This issue appears if you ran the profile in Native or Hadoop runtime environment.
IDE-2931	When you run a column profile in the Analyst tool, the following error appears when the profile runs on a Data Integration Service grid in remote mode: <code>java.lang.RuntimeException: prof_Test_ETL:ETLControlData[null]</code>
IDE-2762	In the Analyst tool, when you open a column profile for a flat file data object after you run the profile in the Developer tool, the following error appears: The source data object was deleted. the profile results are from last profile run.
BDM-33781	When you run a column profile that contains a Data Masking transformation rule, the profile run fails.

Test Data Management Fixed Limitations (10.4.1)

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

The following table describes fixed limitations:

CR	Description
TDM-25395	Audit Trail reports display incorrect user information.
TDM-25272	Encryption masking does not work as expected on Red Hat Enterprise Linux 7.7.

Third-Party Fixed Limitations (10.4.1)

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

The following table describes fixed limitations:

Bug	Description
EIC-26077	Connection Assignment fails for the Qlik View resource as the connection name for the resource is changed. MITI ticket reference number: INFAEDC-1273
IIS-3943	On Azure Databricks, a Spark job stops responding when the number of records published to Azure Event Hub are approximately two thousand times more than the number of partitions. Microsoft Azure ticket reference number: 119102223001129.
OCON-21568	When you run a Sqoop mapping on an Azure HDInsight cluster with ADLS Gen2 as storage, the mapping fails on the Spark engine. Microsoft ticket reference number: 119081323000763
EIC-7937	The metadata scan of an Oracle resource that includes public synonyms takes long time to complete. MITI ticket reference number: INFAEDC-412.
EIC-22290	When you use an SQL query with a NOT IN operation for a PowerCenter resource, the Control Summary tab does not display the control tables. MITI ticket reference number: INFAEDC-1161

10.4.1 Known Limitations

This section contains known limitations that were found in 10.4.1.

Data Engineering Integration Known Limitations (10.4.1)

The following table describes known limitations that were found in 10.4.1:

Issue	Description
BDM-36415	<p>If a mapping uses a parameter value to specify the execution environment, and you specify "native" or "Hadoop" as arguments when running one of the following commands, the Data Integration Service ignores the command and the mapping is not updated. The issue affects the following commands:</p> <ul style="list-style-type: none">- infacmd mrs disableMappingValidationEnvironment- ilnfacmd mrs enableMappingValidationEnvironment- infacmd dis disableMappingValidationEnvironment- infacmd dis enableMappingValidationEnvironment <p>The issue occurs because the commands do not support parameter resolution. Workaround: Apply EBF-20109 and use an additional argument for the command, <code>ValidationEnvironmentFilterName</code>. For example, <code>ValidationEnvironmentFilterName=Hadoop</code></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: [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]. Workaround:</p> <ul style="list-style-type: none">- Create cluster configuration using import from archive file option.- For Hive connection, fix Metadata connection string and data access connect string JDBC connection to point to compute cluster.
BDM-34036	<p>When the Spark engine runs a mapping or previews data on a Cloudera CDP cluster, the job incorrectly writes date/time data to the target when the date is earlier than 1583 and the mapping uses one of the following sources:</p> <ul style="list-style-type: none">- Azure Blob- Google BigQuery- JDBC V2- Sqoop- Complex file objects
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">- The cluster staging directory is in an encryption zone.- The impersonation user is configured as a proxy user for an Active Directory user.- The proxy user, and thus the mapping impersonation user, has the DECRYPT privilege in the encryption zone.- The Active Directory user does not have the DECRYPT privilege in the encryption zone.- The Hadoop staging user is set to the mapping impersonation user. <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-33915	<p>When the Blaze engines performs a lookup on a compressed Hive table of text format, the mapping fails with the following error:</p> <pre>"[CORE_3] An internal exception occurred with message: java.io.IOException: incorrect header check java.io.IOException: incorrect header check"</pre>
BDM-33914	<p>When the Blaze engine reads a modified Hive partition table of text format, the source read fails with the following error:</p> <pre>"[CORE_3] An internal exception occurred with message: java.lang.RuntimeException: No data found for parttion state java.lang.RuntimeException: No data found for parttion state"</pre>

Issue	Description
BDM-33894	<p>When the Spark engine runs a mapping on a Cloudera CDP cluster with dynamic resource allocation enabled, the mapping fails with the following SPARK_1003 error:</p> <p>"Failed to connect to <node running Spark shuffle service>"</p> <p>For more information, see the KB article "ERROR: '[SPARK_1003] Failed to connect to <node running Spark shuffle service>' when the Spark engine runs a mapping on Cloudera CDP."</p>
BDM-33822	<p>When the Blaze engine reads a partition table where partitions have been added using the Hive command ALTER TABLE ADD PARTITION, the Blaze engine does not recognize the new partition data. This error condition occurs with the following file formats:</p> <ul style="list-style-type: none"> - Avro - ORC - Parquet
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>
BDM-22677	<p>When you create a Cloudera CDP cluster configuration and connection during installation, the installer uses the default engine type, MRv2, rather than Tez in the Hadoop connection.</p> <p>Workaround: In the Administrator tool, edit the Hadoop connection Common Properties. Set Engine Type to Tez.</p>
CORE-8958	<p>When you run a mapping that reads from a Hive source on a Cloudera CDP cluster, the mapping fails with the following error:</p> <pre>java.lang.NoClassDefFoundError: org/apache/jute/Record</pre> <p>Workaround: For CDP Private Cloud, in the Hive connection properties, set <i>Metadata Connection String</i> to the following value: <code>jdbc:hive2://<node running HiveServer2>:10000/default;principal=hive/ HOST@PLATFORMKRB.COM;ssl=true;</code></p> <p>This workaround does not apply to CDP Public Cloud.</p>
OCON-24969	<p>When you create a custom SQL query in a Read transformation to read from a Hive source that contains complex data types, you cannot select the elements of the complex data field in the Advanced Query properties. You can manually select the name of an element in the query.</p>

Third-Party Known Limitations

The following table describes third-party known limitations:

Issue	Description
BDM-33967	Databricks clusters do not support concurrent mapping processing. While very limited concurrency is sometimes possible, concurrency support depends on multiple factors and is difficult to predict.

Data Engineering Streaming Known Limitations (10.4.1)

The following table describes known limitations that were found in 10.4.1:

Bug	Description
IIS-4815	When dynamic schema strategy is enabled in a streaming mapping with a Kafka source and a Complex File data object target with no column projection, the target files are not moved to the target directory if the executor goes to dead state. The target files are moved as part of cleanup.
IIS-4811	On CDH non-secure cluster, when you run a streaming mapping with HDFS target with Parquet payload, the target files are not moved to the target directory after clean up when the mapping is stopped.
IIS-4813	On HDP 3.1.5, when you run a streaming mapping with ADLS Gen 2 or HDFS target with Parquet payload, the target files are not moved to the target directory after clean up when the mapping is stopped.
IIS-4773	Data loss happens when you run a streaming mapping with JMS as source and multiple targets and durable subscriptions configured.
IIS-4691	On CDH 5.13 cluster, rollover fails in a streaming mapping with Amazon S3 target. Similarly, rollover fails in a streaming mapping with Complex File Targets with Parquet payload.
IIS-4680	On a Databricks cluster, logical data types are not applicable for Parquet format and shows the <code>Invalid Avro record</code> error when you write to the Microsoft Azure Data Lake Storage Gen2 target.
IIS-4666	Mapping validation fails when you connect sources to Window transformations using dynamic ports. Workaround: Do not connect port at group level. Connect the dynamic ports from the Window transformation to a joiner transformation.
IIS-4632	When you run a streaming mapping with a Kafka source, the mapping fails with <code>InvalidTopicName</code> error when: <ul style="list-style-type: none">- a topic pattern is specified for the topic name, and- a time stamp is specified to read messages based on the custom timestamp offset
IIS-4619	When you run a streaming mapping with a Kafka source, the mapping fails with <code>WARN KafkaOffsetReader: Error in attempt 1 getting Kafka offsets</code> error when: <ul style="list-style-type: none">- a topic pattern contains multiple partitions, and- a time stamp is specified to read messages based on the custom timestamp offset
IIS-4600	On AWS Databricks, when you run a streaming mapping to write binary data to Amazon S3 target, the mapping validates but fails while trying to generate a Spark execution plan.
IIS-4593	The Monitoring tab does not display the latest statistics for streaming mappings if the Data Integration Service process stops and resumes after it submits a job to the compute cluster.

Data Privacy Management Known Limitations (10.4.1)

The following table describes known limitations that were found in 10.4.1:

Bug	Description
SATS-29940	A scan job that uses a remote agent fails if the agent become unavailable instead of reassigning files to another available agent.
SATS-29938	A subject registry scan on an Azure WASB data store goes into an infinite loop.
SATS-29920	If you resume a remote agent scan job that failed because of a Data Privacy Management restart, the resumed job fails with a <code>Duplicate pageId found</code> error. Workaround: Restart the remote agent and then resume the job.
SATS-24409	A scan job fails if the domain and Data Privacy Management run on a backup node and the Catalog Service runs on the primary node. Workaround: Refresh the Data Privacy Management Service each time the Catalog Service is switched to a different node.
SATS-23135	Resetting the classification results of a data store deletes the connection string and schema options of the data store.
SATS-23129	If you integrate Axon Data Governance created with HTTPS with Data Privacy Management, sync jobs fail with a certificate error.
SATS-23127	A security policy violation details page displays the wrong data stores and an incorrect data store count for data stores configured for Agent scans.
SATS-23120	A Scan for Missing Domains job does not fetch results as expected. Workaround: Run an Import Catalog Resource job for the data store to import the correct results from Enterprise Data Catalog.
SATS-23117	UBA Manager fails a few minutes after it starts on a SUSE Linux Enterprise Server 12 SP3 installed on a multinode external Cloudera cluster.
SATS-23110	Repeat subject registry scans to link subjects on an unstructured data store return varied results.
SATS-23096	If you resume a scan job that fails, the resumed scan also fails. Workaround: Terminate the job and then run the job again.
SATS-21211	A scan job that uses the remote agent fails if the scan includes a custom classification policy that has unsupported OOTB domains. Workaround: For unsupported domains, create and use custom domains with the required data patterns.
SATS-20790	A scan that uses an agent calculates the confidence level based on all domains in the policy instead of only the domains included in the custom criteria.

Enterprise Data Catalog Known Limitations (10.4.1)

The following table describes known limitations that were found in 10.4.1:

Bug	Description
EIC-37316	A non-administrator user can scan the profiling warehouse associated with Informatica Data Quality resource.
DAA-624	After you deleted the associated data owner, data steward, and subject matter expert from the Enterprise Data Catalog Discovery, Data Asset Analytics does not display the delete time in the reports.
EIC-40938	After you disable the resource scheduler for the Data Domain and Data Domain Propagation resources, the Catalog Service restart enables the scheduler for the resources.
EIC-41624	After you export data domains from Enterprise Data Catalog, the export file incorrectly displays rejected data domains in the DataDomains Accepted column. This issue occurs after you upgrade to Enterprise Data Catalog version 10.4.1 from version 10.2.2 HotFix 1 Service Pack 1.
EIC-26643	An internal error occurs when you export synonyms and public synonyms to a TDE file irrespective of the permissions and privileges assigned to you.
EIC-42393	Auto connection assignment between SAP BW and SAP S/4HANA resources fails.
DAA-630	Data Asset Analytics displays incorrect active users count in the User Adoption dashboard tab. This issue occurs if users from different security domains share the same name and include the security domain column in User searches report.
DAA-596 and DAA-513	Data Asset Analytics does not display special and multi-byte characters as expected in the User login drop-down list.
EIC-24655	Enabling the Catalog Service fails when the Informatica Cluster Service host name is longer than 64 characters.
EIC-28834	Enterprise Data Catalog displays incorrect pattern length for the columns that contain the Float datatype.
EIC-41615 and EIC-27190	Enterprise Data Catalog displays incorrect source position for the columns from a schema table and synonym asset types.
EIC-28852	Enterprise Data Catalog does not display the date datatype as the inferred datatype for parquet files if the source column contains date in the non ICU format.
EIC-40534	Enterprise Data Catalog does not display the minimum and maximum frequency value results if an Athena data source columns contain Decimal datatype.
EIC-40345	For operating system profile, the JDBC resource fails to import metadata from an Athena data source into Enterprise Data Catalog.
EIC-42331	For reference entities such as lookup, the entire object within the business entity is displayed in the lineage for an Informatica MDM resource.
EIC-41645	If you override the path of the target, the Informatica Cloud Service resource does not extract the targets created at run time for data sources such as Microsoft Azure Blob Storage, and Azure Data Lake Store Gen2

Bug	Description
EIC-42566	If you select a password protected package, the metadata scan of a File type SSIS resource fails.
DAA-611	In Data Asset Analytics, the asset enrichment data appears as duplicate whereas the enrichments come from different resources.
EIC-41937	Purging a resource takes a longer duration compared to purging a resource in version 10.4.0. This is due to additional consistency checks performed to improve catalog stability.
EIC-40969	The Scan History window does not display the complete list of source change details. This issue occurs after you upgrade to Enterprise Data Catalog version 10.4.1 from version 10.2.2 HotFix 1.
EIC-41642	The Informatica Cloud Service resource extracts the data source targets created during run time incorrectly, and the target file name contains two pound symbols (##) . Workaround: Execute the Informatica Cloud Service mappings and then run the resource scan.
EIC-23519	The JDBC resource fails to scan an Athena data source that contains views.
EIC-42006	The SAP S/4HANA resource does not extract metadata from the SAP S/4HANA application components and packages if the application components and packages have the same name.
EIC-40946	The SAP S/4HANA resource does not extract views appended to a ABAP Core Data Services (CDS) view in the Catalog.
EIC-41937	The additional consistency checks that are added to improve the Catalog stability increases the time consumed by the resource purge operation.
EIC-40188	The asset type of a Query element is incorrectly populated in the Lineage and Impact tab for SAP BW and SAP BW/4HANA resources.
EIC-42781	The data provisioning task fails for the following source connections: <ul style="list-style-type: none"> - Amazon S3 - Azure Data Warehouse - Teradata - JDBC Oracle - Amazon Redshift - Azure Blob - Salesforce The data provisioning task fails for the following target connections: <ul style="list-style-type: none"> - Amazon S3 - Azure Data Warehouse - Teradata - JDBC Oracle - QlikView
EIC-40094	The functionality and stability improvements added to the MicroStrategy resource increases the time taken to load the resource. Workaround: You can create multiple MicroStrategy resources for using multiple projects.
EIC-20981	The profile run fails on the Spark engine if the source column name contains special characters.
EIC-28783	The rejected data domains still appear in the inferred state even after you delete the rejected data domains from the import file during the asset data import.

Bug	Description
EIC-28266	When you view the lineage for a MicroStrategy resource from the grid layout, the source or the target data set is linked to itself.
EIC-40947	You cannot export the asset data to a TDE file if the asset name is in lower case. This issue occurs if you export using the JDBC connection type.
DAA-601	You cannot filter by user name in the User Login Name filter option if the user name consists of a single quote character.
EIC-40333	You cannot view sections such as Questions, Reviews, and Ratings for a Process Definition in the Catalog.
EIC-40600	You cannot view the Scan History window if there is one source change for a resource on the Change Summary page.
EIC-37271	You cannot view the profiling source changes of assets after you apply the Asset Type filter option on the Change Summary page.
EIC-43118	For an Amazon S3 resource, the profile run fails on the Parquet file that contains dot (.) in the field name.

Enterprise Data Preparation Known Limitations (10.4.1)

The following table describes known limitations that were found in 10.4.1:

Bug	Description
IDL-16902	Cannot preview and prepare the partition files merged as a single file.

Mappings and Workflows Known Limitations

The following table describes known limitations that were found in 10.4.1:

Bug	Description
IDQ-9271	<p>When you run a mapping that uses a Macro transformation and the Read transformation in the mapping contains a port with the same name as an input port in the macro instruction mapplet, the mapping fails with the following error:</p> <pre>[Materialize_10001] Mapping compilation encountered an error. The generated port [<port name>] in the transformation instance [<transformation name>] is linked to static ports in the downstream transformations, but it might not be the intended port to use. The system renamed the port from [<original port name>] to [<new port name>] to avoid name conflict in the transformation [<Macro transformation>]. Rename the ports such that the names are unique within each transformation and verify the links between transformations.</pre>

Metadata Manager Known Limitations (10.4.1)

The following table describes known limitations:

Bug	Description
MM-5331	When you import a Microsoft SQL Server Analysis (SSAS) and Reporting Services (SSRS) (Repository) resource, the objects from the Tabular Model of Analysis Services are not extracted and the Analysis Services folder is empty.

Profiles and Scorecards Known Limitations (10.4.1)

The following table describes known limitations:

Bug	Description
IDE-5073	The profile run might fail if you run a profile on the source schema that includes more than 1000 objects.
IDE-4798	The enterprise data discovery fails when the following conditions are true: 1. In the Analyst tool, you create an enterprise discovery profile name. 2. You run the enterprise data discovery on the data source. 3. You create another enterprise discovery profile with the same name. Workaround: Change the enterprise discovery profile name.
IDE-4792	The profile run fails for avro file on an Azure Data lake Store Gen1 resource.
IDE-4776	When you run a profile on the Blaze engine on an Azure Data Lake Store Gen1 resource, the profile run fails for XML and JSON files.
IDE-4774	When you run a profile on the Blaze engine on an Amazon S3 resource, the profile run fails for the avro and parquet files.
IDE-4772	When you run a profile on the Blaze engine on an Amazon S3 resource, the profile run fails for XML and JSON files.
IDE-4770	The profile run fails on the Blaze engine for XML and JSON files.
IDE-4766	If the Data Integration Service runs on the multiple machines simultaneously, you cannot receive scorecard email notification.
IDE-4658	when you run a profile on an Azure Data lake Store Gen2 resource that contains avro files, the profile run fails with the following error: <code>java.lang.RuntimeException: java.lang.reflect.InvocationTargetException</code> .
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.
IDE-4370	When you run a profile on the Spark engine, Analyst tool does not display data domain discovery results.

Third-Party Known Limitations (10.4.1)

The following table describes known limitations that were found in 10.4.1:

Bug	Description
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>Workaround: Download all *-site.xml files from the Hadoop cluster as a .zip file and import the compute cluster configuration from the archive file. For more information, see the <i>Data Engineering 10.4.1 Integration Guide</i>.</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 [<impersonation user>] does not have [SELECT] privilege on [default])</p> <p>Workaround: 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 Cloudera 7.1.1 Release Notes.</p>
OCON-25411	<p>When you use the Cloudera Connector Powered by Teradata, you cannot run Sqoop mappings on the Cloudera Data Platform 7.1 cluster to access a Teradata database.</p> <p>Cloudera ticket reference number: 690026 .</p>
PLAT-26538	<p>SAML SSO with Citrix Netscaler skips the assertion consumer service (ACS) URL validation mentioned in the SAML IDP profile.</p>
EIC-27518	<p>Using the MITI version 10.1.0 degrades the performance of the MicroStrategy resource scan.</p> <p>MITI ticket reference number: INFAEDC-1347</p>

Cumulative Known Limitations

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

Application Service Known Limitations (Cumulative)

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

Bug	Description
OCON-19438	If the Metadata Access Service is inactive for a long time and you import a Hive, HBase, MapR-DB, or complex file data object, the import might fail with the following error: <code>java.util.concurrent.RejectedExecutionException</code> Workaround: Restart the Metadata Access Service and import the object again.
OCON-13257	When you import a complex file object, an HBase object, or a Hive object from a Hadoop cluster, the metadata import fails if the domain and the Metadata Access Service use Kerberos authentication. Workaround: Contact Informatica Global Customer Support.
BDM-19611	The JMX server's use of random selection for its listening port results in a vulnerability. When the JMX server starts, it randomly chooses a port to listen for requests, and re-chooses a random port whenever the domain restarts. Because of this, administrators cannot know the port in advance, and must apply security measures manually each time the domain restarts. Workaround: To address this issue, use a utility such as netstat to identify the open ports, and then apply security measures, such as instituting an IP address filter. Note: You must repeat this process each time the node process or service process restart.

Business Glossary Known Limitations (Cumulative)

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

Bug	Description
BG-1828	You cannot add images to the rich text fields in the Analyst tool if you use Google Chrome and Microsoft Edge Browser. This issue occurs because of the Content Security Policy headers enforced by the Informatica security team. Workaround: 1. Navigate to <code>INFA_HOME/services/AnalystService</code> . 2. Create a folder for the image that you want to add to the Analyst tool. 3. Save the image in the folder. Make sure that the name of the image does not contain any space. 4. Open Google Chrome or Microsoft Edge browser. 5. Enter the Analyst tool URL. Example, <code><AT Host>:<AT Port>/Folder Name/Image Name</code> 6. Copy the image from the URL. 7. Add the image to the rich text field in the Analyst tool.
BG-1810	The glossary export fails when the following conditions are true: 1. Create a glossary with at least two categories. 2. Create terms within the two categories. 3. Create a few terms without any category. 4. From the Library workspace, select the glossary that you want to export. 5. Select the Uncategorized Assets option in the Select Assets page of the export wizard. Workaround: Select all the categories during the export process.
BG-1801	The search results count in Business Glossary Desktop does not match the search results count in the Analyst tool. This issue occurs when there are more than 500 search results.

Bug	Description
BG-1757	In the Add Privileges and Roles wizard, you cannot search for a glossary name that contains the ampersand symbol (&). For example, glossary name called Systems & Products. Workaround: Use &amp; instead of the ampersand symbol (&) to search for the glossary. For example, Systems &Products.
BG-1516	In the Related Assets section of the business term view, you cannot sort the properties, such as the data assets, rule assets, and profiles.
BG-1447	When you edit a Glossary template and the Glossary tab remains open in the background, you cannot make further edits to this template. When you click Save & Finish, an error message appears that mentions that changes cannot be saved.

Data Engineering Integration Known Limitations (Cumulative)

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

Bug	Description
BDM-29679	When the Spark engine runs a mapping, property values set in the cluster configuration override values set using Environment SQL in the Hadoop connection.
BDM-23550	When an Update Strategy transformation contains an insert, update, or a delete operation, and a JDBC target, incorrect number of inserted, updated, or deleted rows appear from the Spark events.
BDM-23392	When a mapping that runs on Spark uses an Update Strategy transformation, table constraints might cause a BatchUpdateException and mapping failures. Workaround: Edit the Spark.JdbcNumPartition setting in the mapping Runtime Properties to reduce the number of partitions to 1. This causes all rows to be processed as a single partition.
BDM-23317	When you monitor statistics for the Data Integration Service configured with file-based queuing, the jobs incorrectly appear to run even when the job state is queued.
BDM-22490	When a dynamic mapping that runs on Spark uses an Update Strategy transformation, adding a column to the Hive target table schema causes the mapping to fail.
BDM-20856	When you import a cluster workflow, the import wizard does not include the option to choose the non-native connection that was associated with the Create Cluster task. Workaround: After you import the workflow, manually assign a Databricks or Hadoop connection to the Create Cluster task.
BDM-20697	If you use the numberOfErrorRows system-defined mapping output in a mapping that runs on the Spark engine, the engine returns an incorrect value for the mapping output.
CM-8210	Intelligent Structure Discovery does not process the Union data type in ORC input. When you try to base a model on a sample ORC file that contains Union data, the model creation fails with the following error: "Failed to create the model. Select a different sample file."

Data Engineering Streaming Known Limitations (Cumulative)

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

Bug	Description
IIS-4228	When you connect the Window port from a Window transformation downstream to an Aggregator transformation or a Joiner transformation, the Developer tool does not display a validation message.
IIS-2761	If a mapping contains multiple lookups on the same flat file data object, you cannot view the Spark execution plan in the Developer tool or Administrator tool. Workaround: Create a physical data object on the same physical source for each Lookup transformation in the pipeline.

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 Auto Sync Catalog option for a data store, the Connection String and Schema Option 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	When you create a Microsoft SQL Server data store, if you enter the instance, the Test Connection option fails. Workaround: Do not enter a value in the Instance field.
SATS-14387	When you import details to create a new data store, the values you add in the Schema/Path column of the import file do not appear on the UI.
SATS-14385	When you scan an SAP data store, the following issues occur: <ul style="list-style-type: none">- The data scan does not identify sensitive fields.- After a metadata or data scan, the risk score is set to zero.
SATS-14379	For Amazon S3 data stores, when you run a metadata with data scan, the Evaluate Classification Job 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 ÜÜäääâçééiööüü_All_Customers.csv, 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 Task Details tab freezes and displays an error.
SATS-13062	There is no Online Help for the Manage Risk Simulation feature.

Bug	Description
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 Subject Registry Details 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: \$INFA_HOME/TDM/logs/jobLogs. 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 DIS or Data_Integration_Service. Workaround: Change the name of the Data Integration Service to DIS or Data_Integration_Service. 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: \$INFA_HOME/SecureAtSourceService/Protection/ - For Persistent Data Masking - Big Data and encryption extensions, edit the com.infa.sats.protection.pdm.bde.xml file. - For Persistent Data Masking - Remote Domain extensions, edit the com.infa.sats.protection.pdm.relational.xml file. 2. In the XML file, change the default value for the DataIntegrationServiceName property to DIS: <property name="DataIntegrationServiceName" default="DIS"/> </Preferences>. 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. Workaround: 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.

Bug	Description
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.
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.

Bug	Description
EIC-14761	Sometimes, Enterprise Data Catalog displays an incorrect notification message in the Change Summary 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 Relationship tab displays incorrect information for an asset.
EIC-14590	In the Catalog Administrator, the Manage menu does not display the Reusable Configuration 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 Resource Name filter option in the Assets Followed 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 Asset Name field of the Notification page.
EIC-13718	The filters in the Relationship tab do not work as expected.
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.

Bug	Description
EIC-13271	<p>You cannot view the lineage for a view created in a Google BigQuery table if the following conditions are true:</p> <ol style="list-style-type: none"> 1. You create a table in a Google BigQuery project, and create a resource for the table. 2. You create a view for the table in another Google Big Query project, and create a resource for the view. 3. You run both the resources. 4. Generate the lineage of the view.
EIC-13164	The Notification 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	<p>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.</p> <p>Workaround: Enclose the search string in double quotes (" ") when you perform a search in the Enterprise Data Catalog.</p>

Enterprise Data Preparation Known Limitations (Cumulative)

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

Bug	Description
IDL-3189	When you import data or preview data from Azure SQL Data Warehouse, the operation fails.

Informatica Connector Toolkit Known Limitations (Cumulative)

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

Bug	Description
OCON-14607	When you create a PowerCenter adapter by using Informatica Connector Toolkit, the column name in the source can contain special characters. However, the special characters appear in the column name even after you import the column in the PowerCenter Designer and mapping fails.
OCON-13507	When you configure a filter condition to parameterize a field that is not of the String data type, the following error message appears: <code>Enter a value of data type : Integer</code>
OCON-12759	If you create a PowerCenter adapter by using Informatica Connector Toolkit and re-import a source object, the business name of the object is not visible in the PowerCenter Designer.

Mappings and Workflows Known Limitations (Cumulative)

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

Bug	Description
MWF-1478	If you run multiple instances of a workflow concurrently in a series, a small number of the workflows might enter an aborted state. The issue is observed when 180 instances of a single workflow run in a cycle 100 times with the default Data Integration Service memory heap memory allocation.
MWF-1430	When you assign the system parameter sys:ApplicationName or sys:MappingName to a Mapping task input in a workflow, the Mapping task input parameter does not read the system parameter values. Instead, the Mapping task input parameter reads the default value of the mapping parameter at run time.
MWF-1414	If the Data Integration Service restarts while a workflow is running, the Monitoring tool might fail to report that the workflow entered a cancelled state. The issue can arise when the domain uses different Model Repository Services to store the workflow metadata and to monitor the workflow.
MWF-1340	If a workflow contains parallel Mapping tasks and you cancel the workflow while the Mapping tasks are running, any mapping that has yet to start proceeds to run. The issue arises when the following conditions are true: <ul style="list-style-type: none">- The number of mappings that the Mapping tasks specify is greater than the Maximum Worker Threads value on the Data Integration Service.- You cancel the workflow while the mappings that the Maximum Worker Threads value specifies are running and other mappings have yet to start. Workaround: Increase the Maximum Worker Threads value.

Metadata Manager Known Limitations (Cumulative)

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

Bug	Description
MM-3658	When Metadata Manager uses SAML authentication, an error appears when you create a business glossary resource with LDAP username and password.
MM-3640	Lineage does not appear between a Microsoft SQL Server Reporting Services resource and Microsoft SQL Server Analysis Services resource if the Microsoft SQL Server Analysis Services resource uses shared data sets.
MM-3611	Lineage does not appear between a Microsoft SQL Server Reporting Services resource and Microsoft SQL Server Analysis Services resource for columns with the Measure option in tabular and multi-dimension models.
MM-3430	The Cannot find the <object> in the catalog error appears when the following conditions are true: <ol style="list-style-type: none"> 1. You create a Microsoft SQL Server resource. The resource contains one or more table names and foreign key constraint names with special characters. 2. You load the resource. 3. In the Browse > Catalog view, you navigate to the SQLServer Foreign class and select a Foreign Key constraint. 4. In the Related Catalog Objects section, you click the object name.
MM-3420	The business glossary user account is locked when the following conditions are true: <ol style="list-style-type: none"> 1. In Informatica Administrator, you enable the account lockout configuration for native users or you have imported LDAP users for whom lockout policies are imposed. 2. In Metadata Manager, you perform an action on the business glossary resource for which an authentication is required. For example, you upload or remove enumerated files for the business glossary resource, or you perform a reload of the business glossary resource.
MM-3399	The business term link is not removed in the Analyst tool when the following conditions are true: <ol style="list-style-type: none"> 1. You delete a column in an Oracle resource that is linked to the business term. 2. In Metadata Manager, you reload the Oracle resource.
MM-3396	Links between an Oracle resource and business glossary resource are not deleted in Metadata Manager and Analyst tool when the following conditions are true: <ol style="list-style-type: none"> 1. In Metadata Manager, you load an Oracle resource that has a column name same as a business term. 2. You upload a rule-based links file to the business glossary resource that contains the business term and load the resource. 3. You remove the rule-based links file in the business glossary resource and reload the resource .
MM-3204	Resource migration fails when you run the rmu command for the following resources: <ul style="list-style-type: none"> - ERwin (Deprecated_10.0.0) - Cognos (Deprecated_10.0.0) - JDBC (Deprecated_10.0.0) - Microsoft SQL Server Integration Services (Deprecated_10.0.0) - SAP PowerDesigner (Deprecated_10.0.0) resources
MM-3117	When you load a Oracle Business Intelligence Enterprise Edition (OBIEE) resource, the load logs display warnings for Extended Subject Area (XSA) fields after you create a mashup report in the visual analyser for OBIEE 12. The mashup report is created when you combine Microsoft Excel columns and sample subject elements in OBIEE 12.
MM-2927	When you remove an asset link for a term in the Analyst tool and reload the associated business glossary resource in the Metadata Manager, the Related Catalog Objects section does not get updated for the business term.

Bug	Description
MM-2921	Metadata Manager does not support extraction of visual analyser projects for Oracle Business Intelligence Enterprise Edition 12.
MM-2344	When you load an Informatica Platform resource that contains a mapping with an SQL override, Metadata Manager does not parse the SQL query or generate the links associated with the query.

Profiles and Scorecards Known Limitations (Cumulative)

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

Bug	Description
IDE-4501	You cannot drill down a scorecard after you run a profile on the Spark engine. Workaround: Select all the columns and rules to the scorecard.
IDE-2695	In the Developer tool, when you create a column profile on a logical data object and add a filter to the profile, the filter preview does not appear.
IDE-2500	Column profile run fails for a logical data object when one of the following conditions is true: <ul style="list-style-type: none"> - Pushdown optimization fails for the logical data object. This issue occurs for logical data objects that you create on data sources except IBM DB2 and Oracle data sources. - The database collation is not set to latin1_general_bin.

Test Data Management Known Limitations (Cumulative)

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

CR	Description
TDM-8513	If you edit a Kerberized Microsoft SQL Server connection, the Save button is unavailable. Workaround: Update the required connection properties, and then uncheck the Use Kerberos Authentication option and select it again. The Save button becomes available.
TDM-8500	In a Kerberos environment, you might not be able to create the Test Data Manager Service from Informatica Administrator on a node that is not a master node. Workaround: Use the <i>infacmd</i> command line program to create the service. You can then enable the service and create the content from Informatica Administrator or the <i>infacmd</i> command line program.
TDM-7382	You cannot generate a workflow that contains data subset with the two-way method of data integration and cascade masking.
TDM-7381	You cannot generate a workflow that contains data subset with the one-way method of data integration and cascade masking.
TDM-3319	Workflow generation fails for a plan that contains a cyclic entity with only custom criteria if you choose the Referential Integrity only option for the Data Integrity for Subset property.

Third-Party Known Limitations (Cumulative)

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

Bug	Description
IIS-4126	When you create a Databricks Delta table in a streaming mapping, the Databricks Delta target does not support data type cast for float, boolean, date, smallint, and tinyint data types. Workaround: When you create a Databricks Delta table, use the following data types: <ul style="list-style-type: none">- double (for float data type)- integer (for boolean, smallint, and tinyint data types)- timestamp (for date data type)
EIC-25554	Lineage of the Qlik Sense resource in Enterprise Data Catalog is incomplete when you use the global dimension of the drill-down type. MITI ticket reference number: INFAEDC-1261
PLAT-14849	On AIX operating systems, when you enable secure communication to an SAP HANA database on AIX with the SSL protocol, mappings terminate unexpectedly. SAP ticket reference number: 0001101086 (410495)
PLAT-14796	When a MySQL table name contains special characters, the Developer tool does not import all the columns. This issue occurs when you use the DataDirect ODBC and JDBC drivers to import the metadata. (395943) DataDirect ticket reference number: 00322369
PLAT-14658	When you preview data from the SAP HANA database for a decimal data type with a precision of 38 digits, the data preview runs continuously. When you run the mapping, the mapping run fails with an error. (414220) SAP ticket reference number: 0000624569 2015 (414220)
PLAT-14653	When you import a Timestamp with Time Zone metadata, the scale appears as 0 instead of 6 for the data type. DataDirect reference number: 00310850 (413119)
OCON-9943	If you configure Sqoop to import time data from a Netezza database, the mapping fails. Apache ticket reference number: SQOOP-2978
OCON-9881	If you export data to Oracle through Sqoop and the columns contain mixed case characters, the mapping fails. This issue occurs when you run the mapping on a Cloudera cluster.
OCON-9377	When you configure Sqoop and run a Teradata Parallel Transporter mapping on a Cloudera cluster to export data of the Byte or Varbyte data type to a Teradata target, the mapping fails on the Blaze engine.
OCON-9376	If you configure Sqoop to export data of the Blob or Clob data type to a Teradata target, TDCH mappings fail on the Spark engine.
OCON-8850	If you configure Sqoop to export data of the Timestamp data type from a Hive source to a Microsoft Azure SQL Data Warehouse target, the mapping fails.
OCON-8786	If you configure Sqoop to export data of the Clob or DBClob data type to IBM DB2 z/OS targets, the mapping fails.

Bug	Description
OCON-8779	If you configure Sqoop to export data of the Real data type to IBM DB2 z/OS targets, the mapping fails.
OCON-8561	If you configure Sqoop to export data of the Money data type to Microsoft SQL Server targets, the mapping fails.
OCON-8387	If you configure TDCH and Sqoop and run a mapping on the Blaze or Spark engine to export data of the Time data type, only milliseconds are written to the target. The nanosecond part is truncated. Cloudera ticket reference number: 124306
OCON-8332	If you configure Sqoop to export data of the Clob or DBClob data type to IBM DB2 targets, the mapping fails.
OCON-7974	If you configure Sqoop and a column name contains spaces, the mapping fails. Apache ticket reference number: SQOOP-2737
OCON-7687	If you export data through Sqoop and the columns contain mixed case characters, the mapping fails.
OCON-7669	When you configure Sqoop and OraOop, and export data to an Oracle target that contains mixed case characters in the table name, the mapping fails. Workaround: Use the generic Oracle JDBC driver to export data.
OCON-7620	If you import data from an IBM DB2 source through Sqoop and the table name contains mixed case characters, the mapping fails. Sqoop JIRA issue number: SQOOP-3211
OCON-7505	Sqoop mappings that read byte or varbyte data from a Teradata source and write it to a Teradata target fail on the Blaze engine. This issue occurs if you use Cloudera Connector Powered by Teradata. Cloudera ticket reference number: 124305
OCON-7504	When you use Sqoop to read data of the Timestamp data type from a Teradata source and write it to a Teradata target, only milliseconds are written to the target. This issue occurs if you run the Teradata Parallel Transporter mapping on a Cloudera cluster and on the Blaze engine. Cloudera ticket reference number: 124302
OCON-7503	When you use Sqoop to read time data from a Teradata source and write it to a Teradata target, the fractional seconds get corrupted. This issue occurs if you use Cloudera Connector Powered by Teradata or Hortonworks Connector for Teradata, and run the mapping on the Blaze engine. Cloudera ticket reference number: 124306
OCON-7459	When you export data to an IBM DB2 target through Sqoop, the mapping fails if all of the following conditions are true: <ul style="list-style-type: none"> - You create or replace the IBM DB2 target table at run time. - The IBM DB2 target table name or column names contain mixed case characters. - You run the mapping on a Cloudera 5u8 cluster. Apache ticket reference number: SQOOP-3212
OCON-7431	When you read time data from a Teradata source and write it to a Teradata target, the fractional seconds get corrupted. This issue occurs if you run the Teradata Parallel Transporter mapping on a Hortonworks cluster and on the Blaze engine. Cloudera ticket reference number: 124302

Bug	Description
OCON-7219	When you run a Sqoop mapping on the Blaze engine to export Teradata float data, the data is truncated after the decimal point. Cloudera support ticket number: 113716
OCON-7216	If a Sqoop source or target contains a column name with double quotes, the mapping fails on the Blaze engine. However, the Blaze Job Monitor incorrectly indicates that the mapping ran successfully and that rows were written into the target.
OCON-7214	Sqoop mappings fail on the Blaze engine if you use a custom query with the Order By clause to import data. Sqoop JIRA issue number: SQOOP-3064
OCON-7213	The Sqoop program does not honor the --num-mappers argument and -m argument when you export data and run the mapping on the Blaze or Spark engine. Sqoop JIRA issue number: SQOOP-2837
OCON-7212	If there are unconnected ports in a target, Sqoop mappings fail on the Blaze engine. This issue occurs when you run the Sqoop mapping on any cluster other than a Cloudera cluster. Workaround: Before you run the mapping, create a table in the target database with columns corresponding to the connected ports.
OCON-7205	When you run a Sqoop mapping on the Blaze engine to export data of the Numeric data type from Netezza, the scale part of the data is truncated.
OCON-2847	Loading a Microsoft SQL Server resource fails when TLS encryption is enabled for the source database and the Metadata Manager repository is a Microsoft SQL Server database with TLS encryption enabled. (452471) Data Direct case number: 00343832
OCON-19488	When you use the Sqoop Hortonworks Connector for Teradata to run Teradata mappings on the Blaze or Spark engine with the Hortonworks HDP 3.1 cluster, the mapping fails.
OCON-17245	When you run a Sqoop mapping on an Azure HDInsight 3.6 ADLS cluster, the mapping fails on the Blaze engine. Microsoft ticket reference number: 118121026003203
OCON-14861	When you use NTLM authentication for a Microsoft SQL Server connection to connect to Microsoft SQL Server 2017 hosted on Linux, the connection fails with the following error: <code>Login failed. The login is from an untrusted domain and cannot be used with Integrated authentication.</code> DataDirect ticket reference number: 00448019
OCON-14398	When you use the Microsoft SQL Server connection to write large volumes of data to Microsoft Azure SQL Database in bulk mode, the session performance slows down. DataDirect ticket reference number: 00421602
OCON-14296	When you use the Microsoft SQL Server connection and configure multiple partitions to write large volumes of data to Microsoft Azure SQL Database, the session performance slows down. Microsoft ticket reference number: 118062518450002
IIS-3381	On a Hortonworks HDP 3.1 cluster, Spark engine incorrectly converts string data type to binary data type. Hortonworks ticket reference number: 270

Bug	Description
IDE-1677	When you run a data domain discovery profile with multiple data domains on MapR 4.0.2 Yarn or MapR 4.0.2 classic Hadoop distribution files, profile run fails. (448529)
BDM-28598	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. Cloudera ticket reference number: 635063
BDM-25513	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. Cloudera ticket reference number: 00225986
BDM-25490 BDM-25491	When a mapping that runs on a Hortonworks HDP 3.1 cluster uses an Update Strategy transformation, and you enabled the Hive Warehouse Connector, the mapping writes incorrect data to rows marked with DD_INSERT. Cloudera ticket reference number: 00228458
BDM-24885	When you run a Sqoop, Amazon S3, or Amazon Redshift mapping on the Blaze engine and on the Hortonworks HDP 3.1 cluster that uses Ranger KMS authorization, the mapping fails with the following error: <code>org.apache.hadoop.security.authentication.client.AuthenticationException: GSSEException: No valid credentials provided (Mechanism level: Attempt to obtain new INITIATE credentials failed! (null))</code> Hortonworks HDP ticket reference number: 00230890
BDM-23420	A mapping with a Sorter transformation that contains datetime data in its default value changes the data when you run the mapping on a MapR cluster. MapR ticket reference number: 00072094
BDM-23104	The Spark engine cannot write data to a bucketed Hive target if the Hadoop distribution is MapR. MapR case number: 00074338
BDM-21486	If a mapping runs on an Azure HDInsight cluster, the mapping fails when you use a SQL override on a Date/Time column in a Hive source. Apache Hive ticket reference number: HIVE-12200
BDM-17020	When you run a mapping that uses a schema in an Avro file, the Spark engine adds a NULL data type to the primitive data types in the schema.
BDM-14422	The mapping fails with an error on Spark engine due to duplicate columns in the Hive table. SPARK-23519
BDM-14410	The mapping fails because the Spark engine cannot read from an empty ORC Hive source. SPARK-19809
BDM-10570	The Spark job fails with out of memory errors when a mapping that converts relational data to hierarchical data contains more than three Aggregator and Joiner transformations. Workaround: To convert relational data to a hierarchical data of more than four levels, develop more than one mapping to stage the intermediate data. For example, develop a mapping that converts relational data to a hierarchical data up to three levels. Use the hierarchical data in another mapping to generate a hierarchical data of four levels. SPARK-22207

Bug	Description
BDM-10455	Inserts into a bucketed table can sometimes fail when you use Hive on Tez as the execution engine. The issue is more probable if the table is a Hive ACID table and a delete operation is performed before the inserts. Apache ticket reference number: TEZ-3814
BDM-4674	A mapping with an Update Strategy transformation fails at run time if the Hive target has more than one primary key. Apache Hive ticket reference number: HIVE-19911

Emergency Bug Fixes Merged into 10.4.1

Informatica merged Emergency Bug Fixes (EBFs) from previous releases into version 10.4.1. These EBFs provided fixes for issues that were found in previous releases.

For a list of EBFs that were merged into version 10.4.1, see the following Informatica Knowledge Base article: <https://kb.informatica.com/faq/7/Pages/25/627143.aspx>

Informatica Global Customer Support

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

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

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

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