Informatica 10.4.1.2 Release Notes (10.4.1.2)

October 2020

© Copyright Informatica LLC 2020, 2021

Contents

This document contains important information about restricted functionality, known issues, and bug fixes in Informatica version 10.4.1.2.

Preface

Informatica 10.4.1.2 is a service pack that contains multiple emergency bug fixes. The service pack supports Informatica Data Quality and all Data Engineering, Data Security, and Data Catalog products.

The service pack is available for Linux, and you can download it from the Informatica Network.

Verify System Requirements

Verify that your environment meets the minimum system requirements, such as operating systems and Hadoop distributions.

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

Installation and Upgrade

Upgrade Path

Version 10.4.1.2 is a service pack that you apply to version 10.4.1 or 10.4.1.1.

The following table lists the supported upgrade paths for 10.4.1.2:

Existing Version	Supported Upgrade Paths
10.0.0 to 10.2.2	Upgrade to 10.4.1, and then apply 10.4.1.2.
10.4.0	Upgrade to 10.4.1, and then apply 10.4.1.2.
10.4.0.1 and 10.4.0.2	Upgrade to 10.4.1, and then apply 10.4.1.2.
10.4.0.2 cumulative patch	Upgrade to 10.4.1, and then apply 10.4.1.2.
10.4.1 and 10.4.1.1	Apply 10.4.1.2.
10.4.1 cumulative patch	Upgrade to 10.4.1, and then apply 10.4.1.2. **Note:** The Informatica 10.4.0.2 and 10.4.1 cumulative patches are available for Enterprise Data Catalog.

Note: Applies to Enterprise Data Catalog, before you apply Informatica 10.4.1.2, you must take the Catalog Service backup using the BackupContents command.

For information about support EOL statements, contact Informatica Global Customer Support or see https://network.informatica.com/docs/DOC-16182.

Service Pack Files

Informatica provides the service pack in `.tar` file and `.zip` formats. After you download the service pack, extract the file contents. The service pack is available for Linux and Windows installations.

The service pack includes the following files:

Input.properties

Identifies the root directory of the Informatica installation to which you will install the service pack. You update the file with the directory path. The file also contains a rollback property that you can set if you decide to uninstall the service pack.

install.bat

Installs the service pack to the directory that you specify on a Windows machine for the Developer tool. Find the file in the Windows installer.

install.sh

Installs the service pack to the directory that you specify on a Linux machine. Find the file in the Linux installer.

Download the Service Pack Files

Download one or more installer files to install or roll back the service pack.

To apply the service pack, you can download the service pack installer, Informatica Developer installer, and command line utilities package.

Download one of the following packages:

- informatica_10412_server_linux-x64.tar
  Contains updates for Redhat Enterprise Linux installations.
- informatica_10412_server_suse11-x64.tar
  Contains updates for SUSE Linux Enterprise Server installations.

Download the following package for Informatica Developer:

- informatica_10412_client_winem-64t.zip
  Contains updates for the Developer tool installation.

Download one of the following packages for the command line utilities:

- informatica_10412_cmd_utilities_linux-x64.zip
  Contains updates for Redhat Enterprise Linux installations.
- informatica_10412_cmd_utilities_suse11-x64.zip
  Contains updates for SUSE Linux Enterprise Server installations.

Update the Input.properties File

The `Input.properties` file includes properties that identify the Informatica installation and define the action taken when you run the service pack installer. Update the properties before you install or roll back the service pack. Update the file in each service package that you download.

1. Extract the service pack file.
2. Find the `Input.properties` file in the service pack.
3. Update the *DEST_DIR* property in the file with the path to the Informatica root directory.
   - On a Linux machine, set the path in the following format:

     ```
     DEST_DIR=/home/infauser/<version number>
     ```
   - On a Windows machine, set the path in the following format:

     ```
     DEST_DIR=C:\\Informatica\\<version number>
     ```
4. Configure the value of the ROLLBACK property. You can apply or roll back the service pack for all product components or to specific component. To install the service pack, retain the default value of **0**. To roll back the service pack, set the value to **1**.

   When you install or roll back the service pack, the installer applies all the components, by default. To install or roll back a specific component in the service pack:
   - Remove the comment tag (#) associated with the component that you want to apply.
   - For Data Engineering component, set BDM_ONLY to 1.
   - For Enterprise Data Catalog, set EDC_ONLY to 1.
   - For Enterprise Data Preparation, set EDP_ONLY to 1

   Note: Data Privacy Management requires Data Engineering and Enterprise Data Catalog components. For Data Privacy Management, remove the comment tag (#) associated with Data Engineering, Enterprise Data Catalog, and Data Privacy Management, and set the values to 1.

   You must apply individual components in the following order if you have multiple products installed:

   1. Data Engineering products
   2. Enterprise Data Catalog
   3. Enterprise Data Preparation
   4. Data Privacy Management

   You must roll back the components for a customized product application in the following order:

   1. Enterprise Data Preparation
   2. Enterprise Data Catalog
   3. Data Engineering products
   4. Data Privacy Management

   Note: For Enterprise Data Catalog, if you configured Data Asset Analytics, run the following scripts located in the `<Informatica Installation Directory>/services/CatalogService/DAABackupScripts/{DB_TYPE}/` directory to roll back to 10.4.1:
   - 10412_metatable_rollback.sql

- 10412_seeddata_rollback.sql
- 10411_rollback.sql

If you created an **Asset Usage** report, the report continues to be available with the following issues after the rollback:

- The report continues to exist in the list of reports that you can create in the **New Report** dialog box after the rollback. However, you cannot use the report option to create a valid **Asset Usage** report.
- On the **Reports** page, you can view the asset usage reports that you had created, but you cannot view or download the report from the **Monitoring** page.

After a rollback, the **Auto Enrichment** column in the **Asset Enrichment**, **Data Domain Association**, and **Business Term Association** reports continue to display the new status values.

5. Save and close the file.

Run the Installer

Run the installer file to install the service pack or roll back the service pack after you install.

1. Close all Informatica applications and stop all Informatica services.
2. Find the installer file in the service pack files and extract the file.
   - For Linux systems, the installer file is `install.sh`.
   - For Windows systems, the installer file is `install.bat`.
3. Run the installer.

Post-installation Steps

After you apply the service pack, perform the post-installation tasks that apply to your product.

Post-installation Steps for the Analyst Service

After you download and apply the service pack, perform the following steps:

1. Verify that the Analyst Service is not running.
2. Delete the following directories from the Informatica installation location:
   - `<Informatica root directory>/services/AnalystService/analyst`
   - `<Informatica root directory>/services/AnalystService/analystTool`
   - `<Informatica root directory>/services/AnalystService/mappingspec`
   - `<Informatica root directory>/tomcat/temp/<analyst_service_name>`
     If the `temp` directory contains multiple Analyst Service directories, delete the directory for each Analyst Service.
3. Restart the Analyst Service.
4. Clear the browser cache on the client machines.

Post-installation Steps for Cloudera CDP Public Cloud

Perform the following tasks to integrate Data Engineering Integration with a Cloudera CDP Public Cloud cluster on Azure or AWS for the first time.

1. Prepare files for cluster import from Cloudera. Verify properties in *-site.xml files.
2. Create a Hive metastore on the CDP Data Hub cluster that points to the Hive metastore in the Cloudera Data Lake.
3. Create a cluster configuration using the IP information for the CDP Data Hub cluster.
4. Grant Access Control List (ACL) permissions for the staging directories on the Data Hub cluster to the Hive user and the impersonation user.
5. Copy the auto-TLS certificate file from the cluster node to the domain on your virtual machine.
   a. Find the value for the property *ssl.client.truststore.location* in the following file on the cluster: `/etc/hadoop/conf/ssl-client.xml`
   The value of this property is the file path for the file `cm-auto-global_truststore.jks`. For example, `/var/lib/cloudera-scm-agent/agent-cert/cm-auto-global_truststore.jks`
   b. Locate the .jks file at the file path you found in step a and copy the file.
   c. Create the same directory structure in the Informatica server node and paste the .jks file there. For example, `<Informatica server node>/var/lib/cloudera-scm-agent/agent-cert/cm-auto-global_truststore.jks`
6. Verify JDBC drivers for Sqoop connectivity.
7. Set the locale.
8. To use Kerberos authentication, configure the krb5.conf file on any cluster node.
   a. Find the value for the property *default_realm* in the following file on the cluster: `/etc/krb5.conf`
   The value of this property is the name of the default service realm for the Informatica domain.
   b. Run the following command on any cluster node to verify that you can access the Key Distribution Center (KDC) server:

      ```
      ping kdc.<default service realm>
      ```

      This command returns the KDC server IP address.
   c. In the krb5.conf file on the Informatica server node, add the KDC server entries under *[realms]*. For example:

      ```
      [realms]
      INFARNDC.SRC9-LTFL.CLOUDERA.SITE = {
      pkinit_anchors = FILE:/var/lib/ipa-client/pki/kdc-ca-bundle.pem
      pkinit_pool = FILE:/var/lib/ipa-client/pki/ca-bundle.pem
      kdc = <KDC server IP address obtained from step b>
      admin_server = <KDC server IP address obtained from step b>
      }
      ```
9. To use Apache Knox authentication, add the proxy entries for the keytab user to the Knox IDBroker service that runs on the Cloudera Data Lake cluster.

For example, add the following entries to the configuration page for *idbroker_kerberos_dt_proxyuser_block*:

```
"hadoop.proxyuser.csso_<keytab user>.groups": "*"
"hadoop.proxyuser.csso_<keytab user>.hosts": "*"
"hadoop.proxyuser.csso_<keytab user>.users": "spn_user"
```

10. Configure the Developer tool.

Note the following rules when you use a CDP Public Cloud cluster:

- If you are using an HDFS on a Cloudera Data Lake cluster, perform the following tasks to configure the HDFS connection and the Hadoop connection:
  1. Find the value for the property *fs.defaultFS* in the following file on the namenode cluster: `/etc/hadoop/conf/core-site.xml`
     For example: `hdfs://infarndcdppamdl-master1.infarndc.src9-ltfl.cloudera.site:8020`
  2. In the HDFS connection, set the property **NameNode URI** to the value you found for *fs.defaultFS*.
  3. In the Hadoop connection, set the Spark advanced property *spark.yarn.access.hadoopFileSystems* to the value you found for *fs.defaultFS*.
     For example: `spark.yarn.access.hadoopFileSystems= hdfs://infarndcdppamdl-master1.infarndc.src9-ltfl.cloudera.site:8020`
- When you run a mapping using either an operating system profile or a Hadoop impersonation user for the Data Integration Service, the Hadoop administrator must add the impersonation user to FreeIPA and map the user to a cloud role using Knox IDBroker.

Post-installation Tasks for Data Privacy Management

After you download and apply the service pack, complete the listed post-installation tasks.

Upgrade the Data Privacy Management Service Content

Perform the following steps to upgrade the Data Privacy Management Service content:

1. Run the following command to start the Informatica domain:

   ```
   cd <Informatica installation directory>/tomcat/bin ./infaservice startup
   ```

2. Ensure that the Data Privacy Management Service is disabled.
3. Ensure that all other Informatica services are enabled.
4. Log in to Informatica Administrator and select the Data Privacy Management Service from the list of services in the Domain Navigator.
5. Click **Actions** > **Upgrade Contents**.
6. Enable the Data Privacy Management Service.

You cannot roll back to 10.4.1 after you upgrade the service content.

Upgrade the Informatica Discovery Agent

If your Subject Registry includes unstructured sources, or if you use a remote agent to perform domain discovery on unstructured sources, upgrade the Informatica Discovery Agent.

1. Run the following commands to shut down the existing remote agent:
   - Linux

     ```
     cd <Existing remote agent directory>/bin
     ./siagent.sh shutdown
     ```

   - Windows

     ```
     cd <Existing remote agent directory>\bin
     siagent.bat shutdown
     ```

2. Extract the agent binaries from the following location: `<Informatica installation directory>/SecureAtSourceService/InformaticaDiscoveryAgent/InformaticaDiscoveryAgent.zip`

   Extract the files to a folder. For example: `NewRemoteAgent`
3. Copy the following file from the existing remote agent folder to the `NewRemoteAgent` folder: `<Existing remote agent directory>/tomcat/conf/server.xml`
4. Ensure that the remote agent keystore and truststore files are outside the remote agent directory or backed up and the location is updated in the `server.xml` file.
5. Run the following commands to start the remote agent:
   - Linux

     ```
     cd <NewRemoteAgent>/bin
     ./siagent.sh startup
     ```

   - Windows

     ```
     cd <NewRemoteAgent>\bin
     siagent.bat startup
     ```

Post-installation Tasks for Enterprise Data Catalog

After you install Enterprise Data Catalog, complete the listed post-installation tasks.

Data Asset Analytics

After you apply 10.4.1.1 or 10.4.1.2 on 10.4.1.0.1, perform the following steps to synchronize events related to data asset enrichment and collaboration:

1. In Informatica Administrator, add the `LdmCustomOptions.ingest.store.events.on.reindex.bool` custom property for the Catalog Service and set the value as `true`.
2. Re-index the Catalog Service.

   Note: If you disable Data Asset Analytics after enabling it, you might see duplicate data asset events or missing events in Data Asset Analytics after you re-index the Catalog Service.

Download SAP Transports

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

Post-Installation Steps for the Python Transformation

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

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

Complete the 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 this 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 this location.

Changes take effect after you recycle the Data Integration Service.

Emergency Bug Fixes Merged into 10.4.1.2

Informatica merged Emergency Bug Fixes (EBFs) from previous releases into version 10.4.1.2 These EBFs provided fixes for issues that were found in previous releases.

For a list of EBFs that were merged into version 10.4.1.2, see the following Informatica Knowledge Base article:
https://knowledge.informatica.com/s/article/FAQ-What-are-the-Emergency-Bug-Fixes-EBFs-that-are-merged-into-Informatica-10-4-1-2

10.4.1.2 Fixed Issues and Closed Enhancements

Data Engineering Integration Fixed Limitations (10.4.1.2)

The following table describes fixed issues:

Bug	Description
BDM-35164	When the Spark engine runs a mapping that reads from an Azure SQL data warehouse source, control characters are being added to the data, resulting in inaccurate mapping results.

Data Engineering Streaming Fixed Issues (10.4.1.2)

The following table describes fixed issues:

Bug	Description
IIS-4996	When you run a streaming mapping that has a Python transformation with `CustomFunctionCall`, the mapping fails with the following error: `java.util.NoSuchElementException: head of empty list`
IIS-4972	When you run a streaming mapping with a Kafka source and Hive target on Cloudera CDP version 7.1.1, Hortonworks HDP version 3.0, and HDInsight version 4.0, any pre-task for Hive table is not accepted. Truncate table, apply new schema, and apply new column are a few examples of pre-tasks.

Data Privacy Management Fixed Issues (10.4.1.2)

The following table describes fixed issues:

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.

Enterprise Data Catalog Fixed Issues and Closed Enhancements (10.4.1.2)

Fixed Issues

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

The following table describes fixed issues:

Note: Advanced Scanners do not support all components of a data source. For more information about the supported components, see the Enterprise Data Catalog Advanced Scanners User Guide.

Issue	Description
EIC-47588	The Tableau resource metadata extraction fails during the data validation stage as it does not support multiple entries for attributes.
EIC-47409	In Enterprise Data Catalog, you can view a glossary asset that is deleted in Informatica Axon.
EIC-47307	When you create a new custom attribute with a description, the description does not appear in Catalog Administrator and Enterprise Data Catalog until you add the description again.
EIC-47011	Catalog ingestion fails during Catalog Service upgrade.
EIC-46938	Enterprise Data Catalog displays the profiling results in the **Columns** tab even after you unassign the connection between the Data Quality and Hive resource.
EIC-46932	The related technical assets count in the **Overview** tab does not match the count in the **Relationships** tab.
EIC-46896	Move all imported enrichments for derived attributes as enrichments for reference attributes.
EIC-46895	Enterprise Data Catalog incorrectly imports and exports the derived attributes along with the reference type custom attributes.
EIC-46894	Allowing enrichments for derived attributes cause bulk import and export to fail.
EIC-46807	Catalog Service upgrade fails due to large-sized XDdocs.
EIC-46751	Generating a Missing Links report fails.
EIC-46688	Fixes for security issues related to ports in EBF-19154 need to be merged in 10.4.1.2.
EIC-46387	Catalog ingestion fails after applying 10.4.0.2.4 on 10.4.0.2.
EIC-46218	In the Catalog Administrator, you can view the custom attributes with reference data type even after you delete the glossary object associated with the custom attribute.
EIC-46135	While configuring a Tableau resource, if you use the search option to select a specific workbook as the repository object, and the search result fetches only one workbook, the entire project that includes the workbook is also selected.
EIC-46125	If you run the Data Quality resource multiple times, Enterprise Data Catalog displays incorrect profiling information.
EIC-46055	Deleting an Oracle resource that includes a large volume of data assets fails with an Out Of Memory (OOM) error if Data Asset Analytics is enabled.
EIC-46010	Back up of catalog using the CLI or REST API fails with the following error: Please make sure that atleast [2] vcores are available on cluster to perform this action.].
EIC-45959	If you create a custom attribute using a category as the reference data type and then delete the category, you cannot create a custom attribute with the same name as the previous attribute.

Issue	Description
EIC-45942	When you use the Domain Name Systems (DNS) alias through the Load Balancer, the Tableau Extension URL in the downloaded .trex file is not the same as the Enterprise Data Catalog Service URL in Informatica Administrator console.
EIC-43675	If you select **Repository ServerDB** as the SSIS resource type, the SSIS resource metadata scan fails at staging with a null pointer exception.
EIC-42868	Enterprise Data Catalog does not validate the data domain creation that includes incorrect rules.
EIC-27469	You cannot view columns in the **Columns** section for assets in an Amazon S3 resource.
EIC-26924	The AWS Glue resource metadata scan runs for more than 19 hours in the Catalog Administrator as the same job is processed repeatedly.
EIC-26795	Even if you specify an incorrect AWS region for a Glue resource, the test connection is valid.
EIC-2392	Enterprise Data Catalog displays assets in the search suggestion to a user who does not have the required permissions to view the assets.
EIC-19901	You cannot view the profile information in the **Columns** section for assets in a Salesforce resource.
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.

Closed Enhancements

The following table describes closed enhancement requests:

Issue	Description
EIC-46324	Effective in version 10.4.1.2, you can view the navigational attributes for the Advanced DSO asset extracted by the SAP BW resource.

Profiles and Scorecards Fixed Issues (10.4.1.2)

The following table describes fixed issues:

Bug	Description
IDE-4971	When you run a scorecard in the staged drilldown mode, the Analyst tool does not display all the columns in the drilldown results. This issue occurs if you create a scorecard using the logical data object.
IDE-5008	If you create and run a profile in the spark execution mode in Informatica Developer, the same profile fails to run in the infacmd.
IDE-4907	You cannot select new resources when you create an enterprise discovery profile in Informatica Developer.

10.4.1.2 Known Issues

This section contains known issues that were found in 10.4.1.2.

Data Engineering Integration Known Issues (10.4.1.2)

The following table describes known issues:

Issue	Description
BDM-35764	You cannot fetch aggregate logs for applications that run on a Cloudera CDP Public Cloud cluster.
BDM-35582	When the Spark engine runs a mapping on an EMR 6.0 cluster using a Rank transformation that accesses flat file sources and targets, the mapping fails.
BDM-35539	When the Blaze engine runs a mapping with a Parquet target containing the Date data type on a Hortonworks cluster version earlier than 3.1.5, the mapping writes incorrect TIMESTAMP data to the target. Workaround: Edit the Data Integration Service advanced properties to add the following property-value pair: `ExecutionContextOptions.JVMOption1/-Duser.timezone=UTC`
BDM-35519	The Spark engine writes an incorrect date to a Hive target on Amazon EMR 6.0 when the mapping source is a flat file Hive source.
BDM-35466	When the Blaze engine runs a mapping on Cloudera CDP Public Cloud clusters on AWS, the mapping might fail with the following error: `[GRIDDTM_1016] The Integration Service failed to execute grid mapping with following error [An internal exception occurred with message: java.lang.IllegalStateException: Authentication with IDBroker failed. Please ensure you have a Kerberos token by using kinit.` The mapping fails if either of the following conditions is true: - The mapping reads from a Hive table and writes to a flat file. - The mapping uses an Amazon S3 connection.

Data Engineering Streaming Known Issues (10.4.1.2)

The following table describes known issues:

Bug	Description
IIS-5181	On Azure HDInsight version 4.1, when you run a streaming mapping with multiple JMS sources that has the custom checkpoint directory set, the mapping fails on restart with the following error: `ERROR MicroBatchExecution: Query Write_cl_task_update [id = 934e2c43-219a-4245-808a-44e66138d9aa, runId = ab818a5a-4a83-4ebb-8e02-13472def8182] terminated with error java.lang.IllegalStateException: batch 2 doesn't exist at org.apache.spark.sql.execution.streaming.HDFSMetadataLog$.verifyBatchIds(HDFSMetadataLog.scala:470)`
IIS-5180	When you run a streaming mapping on Cloudera CDP version 7.2, the **Summary Statistics** view in **Monitor** does not display the job details.
IIS-5100	When you run a streaming mapping with Kafka sources and targets in Avro data format, the data written to the target file incorrectly adds the data type.

Data Privacy Management Known Issues (10.4.1.2)

The following table describes known issues:

Bug	Description
SATS-37436	Enterprise Data Catalog scans of Azure Data Lake data stores with Data Lake Store Gen 2 ADLS source type fail because the connection is created with Data Lake Storage Gen 1 instead of Gen 2. **Workaround:** Create the connection in Informatica Administrator, and enter the ID value in the **Source Connection Name** field in the data store creation page in Data Privacy Management.
SATS-31880	When you run a remote agent scan on a Microsoft Azure Data Lake data store that uses Azure Data Lake Storage Gen2, the remote agent ignores the **Authenticate via Proxy** setting in the data store properties.

Enterprise Data Catalog Known Issues (10.4.1.2)

The following table describes known issues:

Note: Advanced Scanners do not support all components of a data source. For more information about the supported components, see the Enterprise Data Catalog Advanced Scanners User Guide.

Bug	Description
EIC-48000	When you clear the **Allow Filtering** option after another user configures the **Allow Filtering** option for the custom attribute, Enterprise Data Catalog still displays the custom attribute in the **Filter By** panel.
EIC-47799	The Hive resource metadata extraction fails if you specify the SerDe jar file path for de-serialization.

Bug	Description
EIC-47492	The HDFS resource fails to extract metadata if the keytab authentication is not valid. Workaround: Configure the HDFS resource with the following JVM Option and run the resource again: `-Djava.security.krb5.conf=/etc/krb5.conf`
DAA-2121	The **Top Assets Viewed** chart does not show an asset after you remove the resource associated with the asset, add and run the resource, and then view the same asset.
EIC-47476	In the Azure HDInsight 4.1 cluster, the metadata extraction fails for all the resources when you pause or resume an operation.
EIC-46141	In the **Overview** tab of an Axon resource, the Axon Policies asset is misspelled as Axon Polics.
EIC-47453	In Enterprise Data Catalog version 10.4.1.2, you lose the enrichments configured for the Tableau resource when you run the resource again. Workaround: Back up the enrichments before you run the resource again.
EIC-48003	If you enable data domain discovery for an IBM DB2 for z/OS resource, the pause and resume operations fail.
EIC-47798	If you create a HDFS resource with the **Configuration Archive File** option, the CreateResource API fails with an error.
EIC-47511	If the import file contains accepted and rejected Axon glossaries with the same name, Enterprise Data Catalog might import inferred or accepted Axon glossaries as rejected glossaries for an asset. This issue occurs for Axon glossaries with the same object path and class type with different object IDs.
EIC-47510	If the import file contains accepted and rejected Axon glossaries with the same name, Enterprise Data Catalog does not consider the glossaries that are in the accepted state for an asset. This issue occurs for Axon glossaries with the same object path and class type with different object IDs.
EIC-47844	Enterprise Data Catalog Plug-in does not display the filter values in hierarchical order after you click Show all from the **Filter by** for a particular filter.
EIC-48018	Enterprise Data Catalog Plug-in does not display assets in the **Related Technical Assets** and **Classified Assets** sections of an Axon Glossary and Business Glossary term **Overview** tab.
EIC-47841	Enterprise Data Catalog Plug-in does not display a few range type filters in the **Filter By** panel.
EIC-47724	After you upgrade to the latest version of Enterprise Data Catalog, the business terms move from the accepted to inferred state in the catalog. This issue occurs when you rerun the data domain propagation resource soon after you accept a business term.
EIC-47718	After you upgrade from Informatica 10.4.1 to 10.4.1 Service Pack 2, the exported .csv file includes multiple business terms in accepted state. This issue occurs when you rerun the data domain propagation resource soon after you accept a business term.
EIC-47719	After you upgrade from Informatica 10.4.1 to 10.4.1 Service Pack 2, the exported .csv file displays the same business terms in different states. This issue occurs for Axon glossaries or business glossary terms with the same object path and class type.

Third-Party Known Issues (10.4.1.2)

The following table describes third-party known issues:

Bug	Description
BDM-35661	The Spark engine fails mappings on a Cloudera CDP Public Cloud cluster when the following conditions are true: - The mapping reads from a Hive source created with a custom query. - The query uses arithmetic operations for the column name. For example, to add 100 to every value in INT_1, you use the following query: `SELECT INT_1 + 100 FROM Hive_table`. You might see the following exception in the log file: `java.lang.reflect.InvocationTargetException ... Caused by: org.apache.spark.sql.AnalysisException: cannot resolve '<column name>' given input columns: [<column names>]` **Workaround:** In the SQL override query, provide an alias name for columns that use arithmetic operations in the query. For example, `SELECT INT_1 + 100 as <alias name> FROM Hive_table`. Cloudera ticket number: CDPD-3293
BDM-35570	When the Spark engine runs a mapping on an Amazon EMR 6.0 cluster fails with an error like: `org.apache.spark.sql.AnalysisException: Column <list of columns> are ambiguous. It's probably because you joined several Datasets together, and some of these Datasets are the same. This column points to one of the Datasets but Spark is unable to figure out which one. Please alias the Datasets with different names via `Dataset.as` before joining them, and specify the column using qualified name, e.g. `df.as("a").join(df.as("b"), $"a.id" > $"b.id")`. You can also set spark.sql.analyzer.failAmbiguousSelfJoin to false to disable this check.` Workaround: Disable the analysis by adding the following advanced property in the Hadoop connection: `spark.sql.analyzer.failAmbiguousSelfJoin=false` Apache ticket number: SPARK-32551
BDM-35133	When the Spark engine runs a mapping that contains an Update Strategy transformation with a DD_DELETE condition on an EMR 6.0 cluster, the mapping fails with an error like: `java.io.IOException: Corrupted records with different bucket ids from the containing bucket file found! Expected bucket id 0, however found the bucket id 1` Apache ticket number: HIVE-20719
BDM-35513	A mapping that runs on the Spark engine on an EMR 6.0 cluster and which contains an Update Strategy transformation with a DD_INSERT condition fails with an error like: `java.io.IOException: Corrupted records with different bucket ids from the containing bucket file found! Expected bucket id 0, however found the bucket id 1` Apache ticket number HIVE-20719

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.