Informatica
10.5.4
Release Notes
May 2023

Contents

Abstract

Read the *Informatica® Release Notes* to learn about known limitations and fixes associated with version 10.5.4. The Informatica version 10.5.4 release includes multiple bug fixes.

The Release Notes also include information about upgrade paths and EBFs.

Note: Product documentation is updated for every major release even if a guide does not contain any updated functionality. Product documentation is updated for service packs and hotfixes only if a guide contains updated functionality. If you can't find a guide for a service pack or hotfix, look at the previous version.

Installation and Upgrade

Read this section to learn about the installation and upgrade in version 10.5.4.

Installation and Upgrade (10.5.4)

Informatica version 10.5.4 is a hotfix release. This version supports PowerCenter, Informatica Data Quality, Data Engineering products, Catalog products, Data Privacy Management, and Test Data Management products as part of the unified installer. Test Data Management and Data Privacy Management require an upgrade of services in addition to applying the hotfix.

You can choose one of the following installation approaches to install Informatica version 10.5.4:

- New installation
- Upgrade from a supported version
- Apply the hotfix to 10.5, 10.5.1, 10.5.2, or 10.5.3

The instructions to install, upgrade, or apply the hotfix to a product are in the individual guides for each product.

Upgrade Paths (10.5.4)

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

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

Product	Versions
PowerCenter	You can apply the 10.5.4 hotfix to version 10.5, 10.5.1, 10.5.2, or 10.5.3 including any service pack or cumulative patch. You can upgrade to version 10.5.4 from the following previous versions: - 10.2 including any hotfix, service pack, or cumulative patch - 10.4 including any service pack or cumulative patch - 10.4.1 including any service pack or cumulative patch
Informatica Data Quality	You can apply the 10.5.4 hotfix to version 10.5, 10.5.1, 10.5.2, and 10.5.3 including any service pack or cumulative patch. You can upgrade to version 10.5.4 from the following previous versions: - 10.2 including any hotfix, service pack, or cumulative patch - 10.4 including any service pack or cumulative patch - 10.4.1 including any service pack or cumulative patch

Product	Versions
Data Engineering Integration Data Engineering Quality	You can apply the 10.5.4 hotfix to version 10.5, 10.5.1, 10.5.2, and 10.5.3 including any service pack or cumulative patch. You can upgrade to version 10.5.4 from the following previous versions: - 10.2 including any hotfix, service pack, or cumulative patch - 10.2.1 including any hotfix, service pack, or cumulative patch - 10.2.2 including any hotfix, service pack, or cumulative patch - 10.4 including any service pack or cumulative patch - 10.4.1 including any service pack or cumulative patch **Important:** If Data Engineering is in the same domain as any other product supported by the Informatica installer, verify that all products are upgraded to the same supported upgrade version before you upgrade to 10.5.4.
Data Engineering Streaming	You can apply the 10.5.4 hotfix to version 10.5, 10.5.1, 10.5.2, and 10.5.3 including any service pack or cumulative patch. You can upgrade to version 10.5.4 from the following previous versions: - 10.2.2 including any hotfix, service pack, or cumulative patch - 10.4 including any service pack or cumulative patch - 10.4.1 including any service pack or cumulative patch
Data Privacy Management	You can apply the 10.5.4 hotfix to versions 10.5, 10.5.1, 10.5.2, and 10.5.3 including any service pack or cumulative patch.
Enterprise Data Catalog	You can apply the 10.5.4 hotfix to version 10.5, 10.5.1, 10.5.2, and 10.5.3 including any service pack or cumulative patch. You can upgrade to version 10.5, 10.5.1, 10.5.2, or 10.5.3 from the following previous versions, and then you can apply 10.5.4 hotfix: - 10.4 including any service pack or cumulative patch - 10.4.1 including any service pack or cumulative patch **Important:** If Enterprise Data Catalog and Data Engineering are in the same domain of a version 10.4.1, 10.4 or earlier, upgrade them both to version 10.5, 10.5.1, 10.5.2 or 10.5.3 before you upgrade to 10.5.4.
Enterprise Data Preparation	You can apply the 10.5.4 hotfix to version 10.5, 10.5.1, 10.5.2, and 10.5.3 including any service pack or cumulative patch. You can upgrade to version 10.5, 10.5.1, 10.5.2, or 10.5.3 from the following previous versions, and then you can apply 10.5.4 hotfix: - 10.4 including any service pack or cumulative patch - 10.4.1 including any service pack or cumulative patch **Important:** If Data Engineering, Enterprise Data Catalog, and Enterprise Data Preparation are in the same domain of a version 10.4.1, 10.4 or earlier, upgrade them both to version 10.5, 10.5.1, 10.5.2 or 10.5.3 before you upgrade to 10.5.4.
Test Data Management	You can apply the 10.5.4 hotfix to versions 10.5, 10.5.1, 10.5.2 and 10.5.3 including any service pack or cumulative patch.

10.5.4 Fixed Issues

This section contains issues and enhancements that were fixed in 10.5.4.

Data Engineering Integration Fixed Issues (10.5.4)

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

The following table describes fixed issues:

Issue	Description
BDM-40713	When you run mappings with transformations on a Spark engine, the transformation fails with the following error: `java.lang.ArrayIndexOutOfBoundsException`.

Enterprise Data Catalog Fixed Issues and Closed Enhancements (10.5.4)

Fixed Issues

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

The following table describes fixed issues:

Issue	Description
MDX-34769	You can use the MetaDex tool to create resources and associated connections in the Catalog Service without administrator privileges.
MDX-34662	When the connection name contains a special character, such as an @ character, the Google BigQuery resource can't parse the connection and fails with the following error: `Cannot parse connection definiton`
MDX-33894	When an Amazon Redshift MetaDex scanner scans views with the no schema binding option from the Create View Data Definition Language (DDL) statement, the scanner job fails with the following error: `Failed to parse statement. Parse error (NoViableAlt) on token: 'CREATE'. Line.column: 3.0`
MDX-33891	When you try to delete an asset from the MetaDex tool, you get the following error: `Error converting data type varchar to bigint`
MDX-33683	When you try to load the next scanner process for an IBM InfoSphere DataStage MetaDex scanner, the scanner fails with the following error: `Error: java.lang.IllegalArgumentException: Multiple entries with same key`
MDX-33656	If you try to perform an SAS Metadex scan, the scanner job sometimes fails either with an SAS log converter issue or with JSON parsing errors.
MDX-33280	When you run an IBM InfoSphere DataStage MetaDex scanner in connectionless mode, the warning logs fail to appear in the MetaDex tool.

Issue	Description
EIC-7662	When you use a Hive resource to extract metadata from struct data types, the resource scan fails.
EIC-63843	When you try to upload a synonym file with more than 10000 terms on a multi node cluster, the upload fails.
EIC-63719	When you use an Informatica Axon resource to extract metadata glossaries, the Catalog Service overloads and the extraction fails.
EIC-63357	Profiling for parquet file fails with a `java.lang.ArrayIndexOutOfBoundsException` error with the Amazon S3 V2 scanner.
EIC-63348	When you try to create a Similarity Discovery resource in Enterprise Data Catalog, the resource creation fails and displays an internal error.
EIC-63312	If you run several scanners with profiling using the custom schedule, some scheduled scanner jobs fail to run or move into a queued state.
EIC-63294	You can't delete a custom partition JSON file in the **Metadata Load Settings** tab of an Amazon S3 V2 resource.
EIC-63061	LDAP user fails to login for the Data Flow Analytics in the PowerCenter resource.
EIC-63017	After you scan files such as parquet and part files with an HDFS resource, the resource incorrectly identifies the part files as unstructured files instead of parquet files.
EIC-62995	On the Lineage and Impact tab, you can view all the asset types in the Asset Type filter instead of the asset types in the lineage diagram.
EIC-62983	When you run a profiling and a data domain discovery job on both source data and metadata, the Enterprise Data Catalog tool fails to tag data domains.
EIC-62967	In the Enterprise Data Catalog tool, you can't view the Display Name as the Business Title for a tranformation under the **Impact and Lineage** tab.
EIC-62901	When you edit or update a value in an Amazon S3 resource, the Operating System profile field value is reset to All.
EIC-62467	When you filter assets based on parent names in the Lineage and Impact tab, the Enterprise Data Catalog tool incorrectly filters the assets based on parent IDs instead of the parent names.

Issue	Description
EIC-56223	When you run a profiling job for a Hive table with custom data domains on a Spark engine, the execution fails.
EIC-54112	Data domain discovery fails for some data domains on a Spark engine.
EIC-40025	You can't use the Enterprise Data Catalog tool to export smart or composite data domains assigned by the system.
EIC-28577	You can't select Spark or Native as the execution engine for a profiling job or a unique key interference.
EIC-27683	When you try to load schema from an Amazon Redshift resource, the metadata extraction fails.
EIC-16063	When you try to load data for an Apache Atlas resource, the staging process exceeds 90 hours.

Closed Enhancements

The following table describes closed enhancement requests:

Issue	Description
EIC-63598	Subscriptions API updates the valid objects even when encountering few assets that are not valid or available.
EIC-63464	In the Enterprise Data Catalog tool, you can view different icons for the following assets of an Amazon S3 V2 resource: - Hierarchical Files - Flat Files - Unstructured Files - Amazon S3 Bucket
EIC-63243	You can view enrichments such as reviews, ratings, answers, and questions for Amazon S3 V2 and Azure Data Lake Storage Gen2 V2 resources.
EIC-62993	When you export a lineage, you can view the database names.
EIC-47620	The File System resource supports unique key inference.
EIC-46899	You can configure Amazon S3 and File System resources to identify the following file types without an extension: - JSON - CSV - XML

Issue	Description
EIC-27055	When a property section has no values for any the attributes, the Overview tab displays the properties by default.
EIC-26546	You can customize the number of columns displayed for assets, such as tables and views.
EIC-19587	You can use the Informatica Platform and Informatica Data Quality resources to extract value frequency results through column profiling.

Data Privacy Management Fixed Issues (10.5.4)

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

The following table describes fixed issues:

Issue	Description
SATS-42373	The Axon API call fails to fetch the correct risk score from Data Privacy Management.
SATS-42361	After you upgrade from version 10.5.0.1.4 to version 10.5.4, and restart the Data Privacy Management Service, the user home location no longer contains the Informatica domain SSL certificates.
SATS-42352	When the precolator component runs successfully on a Spark engine, the precolator in the Data Privacy Management tool displays a failed status.
SATS-42343	When you run a Data Domains search for a datastore in the Data Privacy Management tool, the system runs the row count on the initially declared sensitive fields.
SATS-42341	When you scan a Hive data store, the Database Management job fails at the Collect Row Count step with the following error: `java.lang.NoClassDefFoundError: Could not initialize class org.apache.hive.jdbc.HiveConnection`
SATS-42334	When you scan a File System data store, the Database Management job shuts down unexpectedly during the Agent profile step.

Profiling and Scorecards Fixed Issues (10.5.4)

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

The following table describes fixed issues:

Issue	Description
IDE-5657	The collective score of the scorecard is rounded off at the cumulative level. For instance, it gets rounded to 100 instead of 99.9.
IDE-5626	When you run a profile on a sample of 100 rows that include Chinese characters, the profile run returns incorrect values.
IDE-5596	When you run a scorecard object search on Hive custom data objects using a custom query, the scorecard fails the following error: `org.apache.spark.sql.AnalysisException: The number of columns produced by the SELECT clause (num: ` 6 `) does not match the number of column names specified by CREATE VIEW (num: ` 4 `).`
IDE-5332	When you upgrade to Analyst tool version 10.4.1, a scorecard fails with a null pointer exception in Data Engineering Quality.
IDE-5185	When you upload a file and create a profile in the Enterprise Data Catalog tool, the profile results page displays incorrect characters.
IDE-4808	When you run a join profile in the Developer tool on version 10.4, you cannot drilldown on the profile results page for data objects.
IDE-4789	Running a profile on large Greenplum tables creates a large sorter cache file.
IDE-4278	When you run concurrent OSGI initialization changes in the Informatica Command profile, the changes fail intermittently.
IDE-4034	When you run scorecards in the Analyst tool, the scorecard status is incorrectly updated in the Monitoring tab.
IDE-3778	Editing existing data domains fails with the following error in the Developer tool: `One or more data domains or data domain groups were deleted by another user. Connect to the Model Repository Service again`
IDE-3776	When a non-administrator user runs a profile on logical data object mappings containing SQL transformations without connection permissions, the profile run fails with a permission error.

Issue	Description
IDE-3022	When an operating system profile user runs a profile on source data objects, the profile run fails with the following error: `java.lang.RuntimeException: com.informatica.tools.profile.common.exception.ProfileException: The source data object was deleted. The profile results are from the last profile run.`
IDE-2823	When you run a profile with drilldown on staged data option enabled and export the drilldown results, the export file displays empty rows.

Third-Party Fixed Issues (10.5.4)

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

The following table describes fixed issues:

Issue	Description
EIC-63740	In the Lineage and Impact tab, you cannot view the lineage for a QlikView resource for some log files. MITI ticket reference number: INFAEDC-2187

10.5.4 Known Issues

This section contains known issues that were found in 10.5.4.

Data Engineering Integration Known Issues (10.5.4)

The following table describes known issues that were found in 10.5.4:

Issue	Description
BDM-41004	When you run spark stress mappings on a Spark engine, the process exceeds the expected time of two hours.
BDM-40982	When you create and run an Flat File (FF) to FF mapping on a Spark engine, the mapping fails with the following error: `java.lang.NoSuchMethodError`.

Issue	Description
BDM-40919	When you run mappings on an Amazon EMR cluster version 6.4 with Spark 3.1.3 libraries on the Spark engine, the mappings fail with an exception error.
OCON-30142	When you run complex file mappings on the Spark engine, the mapping fails with the following error: `java.lang.IndexOutOfBoundsException: Index: 2, Size: 2`.

Data Privacy Management Known Issues (10.5.4)

The following table describes known issues that were found in 10.5.4:

Issue	Description
SATS-42422	When you scan Azure WASB through Enterprise Data Catalog, the scan fails in Data Privacy Management.
SATS-42421	While you scan the Active Directory, the scan and data profiling tasks fail in Data Privacy Management.

Enterprise Data Catalog Known Issues (10.5.4)

The following table describes known issues that were found in 10.5.4:

Issue	Description
EIC-64056	Due to additional object ID changes in external databases, you cannot migrate the enrichments for external objects for Oracle and IBM Netezza resources.
EIC-64051	When you try to access Data Asset Analytics, Data Flow Analytics or the search results using the URL, the search fails with and displays a 404 not found error.
EIC-64019	After you upgrade the Qlik Sense scanner from 10.5.3 to 10.5.4 and scan QVD files, the Qlik Sense resource creates an additional object of class type `iclass`.
EIC-63963	Cannot view custom attributes of String data type as Search filters in the Enterprise Data Catalog tool. To view the facets in the filters, reindex the Catalog Service.
EIC-63960	When you use a Qlik Sense source system with agent miscellaneous options, the file path option gets passed to MITI correctly but does not work properly.

Issue	Description
EIC-63938	When you don't enable Reference Resource and scan objects with new model changes in Qlik Sense resource, the System Lineage View displays QVD files with missing objects.
EIC-63894	Cannot enable the Informatica Similarity Discovery resource for Amazon S3 V2 and Azure Data Lake Storage Gen2 V2 resource types.
EIC-63888	After you upgrade the Qlik Sense scanner from 10.5.3 to 10.5.4, the enrichment utility fails to retain the enrichments to reference objects.
EIC-63885	When you don't enable reference resources, you can't expand the system lineage to view Qlik Sense tables in the Lineage and Impact tab.
EIC-63884	When you use a MongoDB resource to extract metadata from MongoDB documents that include binary data, the Enterprise Data Catalog tool displays garbage strings for the MongoDB objects.
EIC-63878	After you run the Enrichment Utility migration, the rejected business title incorrectly appears in the accepted and recommended states for the Amazon ADLS Gen2 V2 or Amazon S3 V2 resource.
EIC-63865	When you enable the Show Business Term option for assets, you can't view the display name for the external assets in the Lineage and Impact tab.
EIC-63861	When you run the Amazon S3 enrichments utility on the same set of resources again, the enrichments for the business term assets become unavailable in the target.
EIC-63793	In Enterprise Data Catalog version 10.5.3 or later, the QlikView resource lineage incorrectly increases data objects.
EIC-63789	After you upgrade from 10.5.0.1.2 or 10.5.1.1.4 to 10.5.4, enrichment loss occurs for Oracle Business Intelligence Enterprise Edition (OBIEE).
EIC-63763	You can't view Similarity in Azure Data Lake Storage Gen2 V2 and Amazon S3 V2 resources for JSON and XML files.
EIC-63737	The Asset Control Summary tab does not display the controlling assets.

Informatica Developer Known Issues (10.5.4)

The following table describes known issues that were found in 10.5.4:

Issue	Description
BDM-40999	If you try to import 10.4.1 PowerCenter Repository Service contents to the 10.5.4 Model Repository Service, the objects fail to import from PowerCenter into the Developer tool.

Model Repository Service Known Issues (10.5.4)

The following table describes known issues that were found in 10.5.4:

Issue	Description
MRS-2716	When you use PostgreSQL to restore domain, the restore domain command sometimes shuts down intermittently.

Emergency Bug Fixes Merged into 10.5.4

Informatica merged Emergency Bug Fixes (EBFs) from previous releases into version 10.5.4. These EBFs provided fixes for issues that were found in previous releases.

For a list of EBFs that were merged into version 10.5.4, see the following Informatica Knowledge Base article:

https://knowledge.informatica.com/s/article/FAQ-What-are-the-Emergency-Bug-Fixes-EBFs-merged-into-Informatica-10-5-4

Cumulative Known Limitations

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

Data Engineering Integration Known Limitations (Cumulative)

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

Issue	Description
BDM-33585	When a mapping that runs on the Blaze engine reads from or writes to an encryption zone in HDFS, the mapping fails. 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.
BDM-35089	When the Spark engine runs a mapping that contains a Lookup transformation, the count of Source_Rows and Target_Rows might be incorrect. Workaround: Run the mapping on the Blaze engine.
BDM-38130	Mappings running on the Blaze engine for a long time fail with delegation token error.

Data Engineering Streaming Known Limitations (Cumulative)

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

Issue	Description
IIS-5702	When you preview data on a streaming mapping that contains an array in JSON format in Kafka source, the mapping fails.

Data Privacy Management Known Limitations (Cumulative)

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

Issue	Description
SATS-42220	The risk score value that appears on the Data Stores page differs from the value that appears on the Risk Score Details page.

Domain Known Limitations (Cumulative)

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

Issue	Description
PLAT-29483	When you start the Informatica domain with `infaservice.bat startup` command on Windows platform, the `runcpuprofile` command fails with an error message and the domain shuts down. `[ICMD_10033] Command [runcpuprofile] failed with error [[DTF_0016] Receive interrupted because the underlying session has been closed.]` Workaround: Start the Informatica domain as the Windows Service.

Enterprise Data Catalog Known Limitations (Cumulative)

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

Issue	Description
EIC-58384	An incorrect average rating appears in the **Reviews** tab for a resource. This issue occurs when users add ratings whose average value results in a whole number.
EIC-58448	In the Catalog Administrator tool, the **Resource** page does not load in Microsoft Internet Explorer. Workaround: Use `debug=true` as the request parameter in the URL.
EIC-58468	You cannot filter connections in the **Connection Assignment** workspace when you select LABEL_NONE_ in the **Group By** drop-down list.
EIC-60975	Asset navigation issues appear in the following scenarios: - When you open a tab in a child asset, and then open a foreign or primary key relationship link in the parent asset, the Catalog tool incorrectly navigates you to the tab opened in the child asset. - When you click **Show All** to open the **Tables** dialog box for an asset and then click on the foreign key relationship link, the asset is moved under the **Keys** tab.
EIC-61151	When you add data stewards, data owners, or subject matter experts, the Catalog tool fails to load users if there are more than 2500 users.

PowerCenter Known Limitations (Cumulative)

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

Issue	Description
PLAT-29524	User activity log does not display activity information for disabled user in a Kerberos domain.

Third-Party Known Limitations (Cumulative)

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

Issue	Description
BDM-33828	When the Spark engine runs a mapping on a Cloudera CDP cluster, the mapping fails with the following SPARK_1003 error: `MetaException (message:Permission denied: user [<impersonation user>] does not have [SELECT] privilege on [default])` **Workaround:** In Ranger, add SELECT privileges to the default database for all users who run Spark queries. Cloudera ticket: CDPD-12622 For more information, see Cloudera 7.1.1 Release Notes.
BDM-39472	Mappings with a Hive source and target fail when the following conditions are true: - The Hive source contains 225 columns or more. - The mapping truncates the target Hive table. - The mapping truncates the Hive target partition. Apache ticket reference number: https://issues.apache.org/jira/browse/HIVE-25999

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.