



# Informatica 10.5.0.1 Release Notes (10.5.0.1) June 2021

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# Preface

Informatica 10.5.0.1 is a service pack that contains information about multiple emergency bug fixes, restricted functionality, known issues, and 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](#).

**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 cannot find a guide for a service pack or hotfix, look at the previous version.

## 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>

## Support Changes

Read this section to learn about support changes in version 10.5.0.1.

### Deferment

Effective in version 10.5.0.1, Informatica lifted deferment for Cloudera CDH 6.3.

### Additional Support

Effective in version 10.5.0.1, Informatica supports dual-stack communications for Internet Protocol version 4 (IPv4) and Internet Protocol version 6 (IPv6) address formats in Informatica Data Quality.

The components that support dual-stack communications include the Informatica domain, the application services that Informatica Data Quality uses, and the Developer tool and Analyst tool.

For more information, see the [Statement of Support for IPv6 in Informatica Products](#).

## Installation and Upgrade

### Upgrade Path

Version 10.5.0.1 is a service pack that you apply to version 10.5.

The following table lists the supported upgrade paths for 10.5.0.1:

Existing Version	Supported Upgrade Paths
10.0.0 to 10.1.0	Upgrade to 10.4.1, then upgrade to 10.5, and then apply 10.5.0.1
10.1.1 to 10.4.1	Upgrade to 10.5, and then apply 10.5.0.1.
10.5	Apply 10.5.0.1
10.5.0.0.1 and 10.5.0.0.2	Apply 10.5.0.1 <b>Note:</b> The Informatica 10.5. cumulative patches are available for Enterprise Data Catalog.

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

### Enterprise Data Catalog Prerequisites for Upgrade

Before you apply Informatica 10.5.0.1, back up the Catalog Service with the `infacmd Idm BackupContents` command. For more information about the Catalog Service back up command, see the [Informatica Command Reference](#) guide.

## Service Pack Files

Informatica provides the service pack in `.tar` 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**

The file where you provide the directory where Informatica is installed. The service pack is installed in this directory. 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. You can find the file in the Windows installer.

#### **install.sh**

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

## Download the Service Pack Files

Download one or more installer packages 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_10501_server_linux-x64.tar`  
Contains updates for Redhat Enterprise Linux, Ubuntu, SUSE 12, and Amazon Linux 2 installations.

### Download the following package for Informatica Developer:

- `informatica_10501_client_winem-64t.zip`  
Contains updates for the Developer tool installation.

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

- `informatica_10501_cmd_utilities_linux-x64.zip`  
Contains updates for Redhat Enterprise Linux, Ubuntu, SUSE 12, and Amazon Linux 2 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. You can apply or roll back the service pack for all product components or for a specific component. The `input.properties` file includes an identifier for each product component. To install the service pack for all components, retain the default value of **0** for each identifier.

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 Informatica Data Quality or Data Engineering products, 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 tags (**#**) associated with Data Engineering, Enterprise Data Catalog, and Data Privacy Management, and set the values to 1.

If you have multiple products installed, apply the individual components in the following order:

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

After you apply the service pack, you cannot roll back the service pack automatically using the installer. You must perform the steps listed in the [“Roll Back the Service Pack to a Specific Component” on page 5](#) section to roll back the service pack.

5. Save and close the file.

## Prerequisites for Upgrading Data Asset Analytics

If you configured Data Asset Analytics for Enterprise Data Catalog, perform the following steps before you shut down the Informatica domain for an upgrade:

1. In Administrator tool, go to the custom properties section for the domain.
2. Add the following custom property:  
ProcessTerminationTimeout=900

**Note:** You can remove the custom property after the upgrade is complete.

Verify that the file size of the transaction or redo log files for the Data Asset Analytics repository database is large enough. For an Oracle database, ensure that the database has a minimum of three redo log files of 2 GB each.

## Run the Installer

Run the installer file to install the service pack.

### Prerequisites:

For Enterprise Data Catalog, run the following command to stop the Advanced Scanners server:  
<Infa\_Home>/services/CatalogService/AdvancedScannersApplication/app/server.sh stop

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.

**Note:** If you want to use CA-signed certificates for the cluster and clients, you can use the updated `generate_csr.sh` and `generate_certs.sh` scripts to generate the Certificate Signing Request (CSR) and the custom SSL certificates. You can download the `CustomSSLScriptsUtil_ExternalCA.zip` file that includes the scripts from Akamai Download Manager. For more information, see the [Configure custom SSL for Enterprise Data Catalog with external CA-signed certificates using custom SSL scripts KB](#) article.

## Roll Back the Service Pack to a Specific Component

You can roll back the service pack that you applied for all components or for a specific component.

For Advanced Scanners, before you install the service pack, use your standard database backup procedure to back up the Advanced Scanners repository.

**Note:** You cannot use the service pack installer to revert to the previous version of Advanced Scanners.

1. In the `Input.properties` file, configure the value of the `ROLLBACK` property. To roll back the service pack, set the value to `1`.

**Note:** Before installing the service pack, back up the Advanced Scanners repository.

When you install or roll back the service pack, the installer applies all the components by default. Perform the following steps to install or roll back a specific component in the service pack:

- Remove the comment tags (`#`) associated with the component that you want to apply.
- For Informatica Data Quality or Data Engineering products, 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. To roll back Data Privacy Management and the components it uses, remove the comment tag (`#`) associated with Data Engineering, Enterprise Data Catalog, and Data Privacy Management, and set the values to `1`.

If you have multiple products installed, roll back the individual components in the following order:

1. Data Privacy Management
  2. Enterprise Data Preparation
  3. Enterprise Data Catalog
  4. Informatica Data Quality or Data Engineering products
2. Save and close the file.

## Post-rollback tasks for Enterprise Data Catalog

- You must delete the `client_certs` directory from the following location: `$INFA_HOME/services/shared/security/<ICSNAME>` to resolve the asset visibility issue in the catalog.
- You must take a backup of the certificates generated for the Informatica Cluster Service and Catalog Service, and then recycle the services to regenerate the certificates. The certificates are stored at the following locations on the nodes:

- `<ICS_CUSTOM_DIR>/certs`

- `$INFA_HOME/services/shared/security/<Informatica Cluster Service Name>/client_certs`

**Note:** The `<ICS_CUSTOM_DIR>` directory is the cluster custom directory for the Informatica Cluster Service. Default is `/opt/informatica/ics`.

## 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 Tasks for Data Privacy Management

After you download and apply the service pack, complete the following tasks:

### Copy the Custom SSL Certificates

Perform this task if you upgraded from a previous version to 10.5 and you use custom SSL certificates. Move the certs folder to the folder where you store custom certificates.

1. Copy the certs folder from the following location:  
`<Informatica installation directory>/logs/<node name>/services/SecureAtSourceService/  
<Data Privacy Management Service name>/`
2. Paste the certs folder in the folder where you store the custom SSL certificates.
3. Delete the certs folder from the original location.

### Upgrade the Data Privacy Management Service

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 10.5 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
```

## Re-create User Activity and Anomaly Security Policies

Previous created User Activity and Anomaly security policy types that include a data domain condition will not work as expected because of a change in operators.

The previous condition operators do not apply to User Activity and Anomaly security policy types. The policies require anyOf, noneOf, and allOf operators. To continue to use the policies, re-create the policies. You can move the previous created policies to the Inactive state or delete the policies. Before you delete a security policy, you must delete all violations associated with the security policy.

## Update the UBA Core RPM

If you perform anomaly detection, you must update the UBA core RPM.

1. Disable the Data Privacy Management Service in Complete mode and verify that the UBA Manager stops.
2. Uninstall the `com.infa.sats.uba.core_10.5-SNAPSHOT-x86_64.rpm` UBA core rpm on the cluster machine.

3. Copy and install the `com.infa.sats.uba.core_10.5-SNAPSHOT-x86_64.rpm` UBA core rpm from the following location on the Informatica domain machine: `<Informatica installation directory>/SecureAtSourceService/spark-components`.
4. In a multinode environment, uninstall and install the UBA on all nodes in the cluster.
5. Restart the Data Privacy Management Service and verify that the UBA Manager starts.

## 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:

```
infa.spark.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.

## Post-installation Steps for Enterprise Data Catalog

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

### Upgrade the Application Services

After you apply 10.5.0.1, you must upgrade the Informatica application services in the following order:

- Model Repository Service
- Data Integration Service
- Content Management Service

### Download SAP Transports for Enterprise Data Catalog

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

### Set up Advanced Scanners

Before you set up Advanced Scanners, perform the following actions:

**If you are installing Advanced Scanners for the first time in 10.5.0.1 or you finished the installation and deleted the 10.5 installer .tar file, perform the following actions:**

1. From the Akamai Download Manager, download the 10.5 version of Enterprise Data Catalog.
2. Extract the post-installation script from the following location: `\properties\AdvScanner\`
3. Associate Enterprise Data Catalog with Advanced Scanners. See "Advanced Scanners" in *Upgrading from Versions 10.4.0 and Later*.
4. Configure advanced scanners. See "Advanced Scanners" in *Upgrading from Versions 10.4.0 and Later*.

**If you already installed Advanced Scanners, perform the following actions:**

1. Associate Enterprise Data Catalog with Advanced Scanners. See "Advanced Scanners" in *Upgrading from Versions 10.4.0 and Later*.
2. Configure advanced scanners. See "Advanced Scanners" in *Upgrading from Versions 10.4.0 and Later*.

### Regenerate Custom SSL Certificates

If there is an error in generating the custom SSL certificates, you might want to regenerate the certificates. If you regenerated the custom SSL certificates using the `CustomSSLScriptsUtil_ExternalCA` or the `GenerateCustomSslUtility` utilities, perform the following steps:

- Shut down the cluster using the Administrator tool or the `infacmd.sh ics shutdownCluster` command.
- Recycle the Informatica Cluster Service.
- Recycle the Catalog Service.

## Emergency Bug Fixes Merged into 10.5.0.1

Informatica merged Emergency Bug Fixes (EBFs) from previous releases into version 10.5.0.1. These EBFs provided fixes for issues that were found in previous releases.

For a list of EBFs that were merged into version 10.5.0.1, 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-10-5-0-1>

## 10.5.0.1 Fixed Issues and Closed Enhancements

### Data Engineering Fixed Issues (10.5.0.1)

The following table describes fixed issues:

Issue	Description
BDM-38139	When you explicitly set ZLIB compression for ORC tables in a mapping that runs on the Spark engine, the Spark workflow generates an additional execution step that causes the mapping to fail.
BDM-37934	When you run a mapping on a complex file source in Spark mode, the mapping does not write data to the target file if both the following conditions are true: <ul style="list-style-type: none"><li>- The Hadoop distribution of the cluster is Cloudera CDH version 6.3.4.</li><li>- The complex file source has a binary or custom input file format.</li></ul>
BDM-37574	Mappings that run on a Cloudera CDH 6.3 cluster to read from or write to a Parquet file fail with the following error: <code>NoSuchFieldError: ZSTD inside ParquetOptions.scala:85</code>
BDM-37438	Mappings that run on the Spark engine for more than 24 hours fail with delegation token error. This issue occurs in a cluster on Cloudera CDH version 6.3.
BDM-37351	When the Spark engine runs a mapping that includes an Update Strategy transformation that performs an INSET, UPDATE or DELETE operation and the source includes duplicate rows, the mapping fails with a "Cardinality Violation in Merge statement" error.
BDM-36357	When you run enterprise discovery profile jobs using a resource configured on Enterprise Data Catalog, the pmdtmsvc2 DTM process intermittently shuts down. The DTM shutdown results in inconsistent states for mappings that run on the DTM.

### Data Privacy Management Fixed Issues (10.5.0.1)

The following table describes fixed issues:

Issue	Description
SATS-40426	If you create the Data Privacy Management repository on a PostgreSQL database, you cannot create security policies.

### Domain Fixed Issues (10.5.0.1)

The following table describes fixed issues:

Issue	Description
BDM-37822	When you use the Analyst tool to upload a flat file using an operating system profile, some characters encoded with ANSI or extended ASCII character sets might be corrupted.

## Enterprise Data Catalog Fixed Issues (10.5.0.1)

The following table describes fixed issues:

Bug	Description
MDX-22521	From version 10.5.0.1, the <b>Connection registry path</b> parameter is optional.
MDX-21760	In the Advanced Scanners tool, you can add and edit Connection Registry entries. When performing these actions, in the <b>Advanced configuration</b> properties, you must not choose the following options as they are not supported: <ul style="list-style-type: none"> <li>- edc.resourceNameSchemaMapping</li> <li>- edc.fileConnectionMode</li> <li>- edc.linkingMode</li> <li>- edc.resourceName</li> </ul>
MDX-20997	When a connection is auto-assigned, Advanced Scanners displays the <code>Completed</code> status even though the connection assignment is in progress.
MDX-20925	If the Snowflake resource includes a cross-database view, the view appears as <code>Unresolved View</code> on the <b>Overview</b> page of the resource. The System Attributes for the view displays the following error message: <code>ERROR Unknown table: [SNOWFLAKE]</code> .
EIC-55086	When processing <code>.xmi</code> files from PowerCenter resource the scan fails with the following error message: <pre>java.lang.ClassCastException: MITI.sdk.MIRDiDesignContent cannot be cast to MITI.sdk.MIRStoreContent</pre>
EIC-55084	When you run the IBM Congos scanner configuration, on the <b>Metadata Load Settings</b> tab, clicking <b>Select</b> opens a pop-up window that populates very slowly.
EIC-55052	The auto assign connection fails with the <code>Expected status code: 200 found 500</code> error.
EIC-55042	Connection assignments with auto-assigned connections fail with a <code>NullPointerException</code> error.
EIC-54974	Snowflake scanner fails with the <code>NullPointerException</code> .
EIC-54951	For Amazon S3 resource, in the First Level Directory, Regex syntax does not work.
EIC-54938	When running Informatica Intelligent Cloud Services, if a mapping task contains SQL override query with SQL Comments, lineage issues occur.
EIC-54921	If you enrich assets with custom attributes of reference data type, the bulk export fails
EIC-54914	When you log in to Enterprise Data Catalog as a non-administrator user, the Data Quality resource fails.
EIC-54825	In a multinode setup, the <code>migrateContents</code> command fails with the following error message: <pre>"Connection refused"</pre>
EIC-54125	When you load the Microsoft SQL Server Integration Services connecting to the repository database, the scanner fails with a <code>StackOverflow</code> error.
EIC-54119	Enterprise Data Catalog does not display the data conversion icons and formulas for BTO Data Model application mapping transformations.
EIC-54115	The Informatica cluster validation utility does not validate the fully qualified domain names that you specify for the gateway host, data nodes, and processing nodes.

Bug	Description
EIC-54103	When you log in to Enterprise Data Catalog as an LDAP user and run a resource or click the Analytics tab, the <code>UserNotFoundException</code> error appears in the log file.
EIC-54031	When a data node has multiple network interfaces, Nomad does not identify the default network interface.
EIC-53660	Amazon Web Services Glue scanner runs indefinitely. When you abort the scanner container, status code 400 and 504 errors are in the scanner log.
EIC-53658	In Enterprise Data Catalog, for Oracle Scanner, you cannot see the data lineage for an MDM package.
EIC-53410	When you rerun a resource after you upgrade to Enterprise Data Catalog version 10.5 on a multi-node cluster, duplicate objects appear in the catalog if the data source includes object ID changes.
EIC-53403	The MongoDB and Nomad services fail and the logs display permission errors for the services when you start the services using the Informatica Cluster Service.
EIC-53376	The Apache Solr UI does not list the collection information when the Apache Solr service is SSL enabled.
EIC-53347	In Enterprise Data Catalog version 10.5, you lose the enrichments configured for the Tableau resource when you run the resource again.
EIC-53323	When the catalog backup fails with an <code>SSLHandshakeException</code> error, the details of the file that caused the error are not provided.
EIC-53321	Backup of catalog using REST API fails with the following error: <code>org.apache.http.conn.HttpHostConnectException: Connect to.</code>
EIC-53253	When you export reference objects from a Data Quality resource to a .csv file, the .csv file does not display the exported reference objects.
EIC-53239	In a multi-node deployment, when you enable the Catalog Service, the service shows the following error: <code>Unable to find a valid certificate to connect to the Catalog Service.</code> The error occurs if you configured Informatica Cluster Service in the node that hosts the Informatica domain and the Catalog Service in a separate node.
EIC-53232	You cannot enable Informatica Cluster Service in a multinode domain environment.
EIC-53226	The LDM <code>migrateContents</code> command fails in a multi-node deployment where the services are enabled for SSL.
EIC-53138	The MongoDB service fails with the following error when you use a custom SSL certificate: <code>SSL peer certificate validation failed: path length constraint exceeded.</code> The service validation does not validate if the custom SSL certificate path length for a non-zero value.
EIC-53077	Enterprise Data Catalog displays incorrect source datatypes for an advanced Snowflake resource when compared to the native Snowflake resource.
EIC-53022	When you modify the case sensitivity configured for the resource, you can rerun the resource without purging the resource.
EIC-52995	The Catalog Service does not validate if the <code>infa_truststore.pem</code> file is present in the custom SSL directory.

Bug	Description
EIC-52706	When viewing results in the search results page, when you use the pagination control to navigate to a different page and then apply a Resource Name filter, no results appear.
EIC-52288	When you access Enterprise Data Catalog using the Safari browser and launch the Introduction to Column Overview walkthrough, you cannot view a step and proceed through the flow.
EIC-51835	When you select a glossary that has greater than 255 characters in its name in the <b>Business Term Association</b> settings, and then run the resource, the business term association task fails for the resource, and the following message appears in the log file: java.util.concurrent.ExecutionException: java.lang.IllegalArgumentException.
EIC-51258	If you run a profile on an Azure MySQL resource, Enterprise Data Catalog fails to profile columns of varchar (500) datatype.
EIC-50430	The Advanced Scanners log does not report any errors although the data objects are not loaded into Enterprise Data Catalog because of model inconsistency.
EIC-49515	The SAP BW scanner does not extract lineage for Shielded InfoSource assets.
EIC-48446	X.509 role-based authorization is not supported for the MongoDB service.
EIC-48256	You cannot export more than 200000 assets from the search results page.
EIC-46477	Secure connection to an Oracle resource using the TLS 1.2 protocol fails with a Connection reset error.
DAA-2363	When you create the Asset Enrichment Report from Data Asset Analytics after you purge a resource, the report does not display details about the deleted enrichments.
DAA-2362	When you scan and purge a resource multiple times and create lineage to assets, the Data Assets with Lineage and Impact Percentage key metric in the Data Asset Enrichment tab displays a value greater than 100 percent.
EIC-55279	After you upgrade to Enterprise Data Catalog version 10.5.0.1, you cannot view the custom attributes assigned for resources and assets.
EIC-54747	When you follow assets at the resource level and apply the source changes filter on the <b>Notifications</b> page, the page displays all types of asset changes.
EIC-54011	When you follow assets at the data object level, the <b>Notifications</b> page does not display any source changes.
EIC-54963	You cannot scan the Azure SQL server database with the Active Directory authentication. Workaround: 1. From the Catalog_Agent_10_2.zip\java\Jdbc directory, move all .jar files to the Micro Soft Azul Jars.zip file. 2. Disable Catalog Service. 3. Delete the following folder: {LDM_INSTALL}/services/CatalogService/scanner_agents/Catalog_Agent_install 4. In the {LDM_INSTALL}/services/CatalogService/ScannerBinaries folder, back up, delete, and then replace the Catalog_Agent_10_2.zip file. 5. Delete the following files: - {INFA_HOME}/services/CatalogService/ScannerBinaries/.md5ScannerBinaries - {INFA_HOME}/services/CatalogService/ScannerBinaries/ScannerJars.zip 6. Enable Catalog Service.

## Enterprise Data Preparation Fixed Issues (10.5.0.1)

The following table describes fixed issues:

Bug	Description
IDL-18291	When you upload data during data preparation, the upload button is unavailable.
IDL-18304	When you use the Cluster and Categorize operation with a NULL column in a worksheet, the publish process fails with R2M error.
IDL-18327	When you extract the domain names from an email ID column that contains a variety of values, the publish process fails with the following error:  <code>Failed in the internal component of recipe to mapping.</code>

## Mappings and Workflows Fixed Issues (10.5.0.1)

The following table describes fixed issues:

Issue	Description
BDM-37950	If you add an unconnected lookup to a mapping and change the data source either from a flat file to a relational source or from a relational source to a flat file, the metadata becomes stale and the mapping fails to run.

## 10.5.0.1 Known Issues

This section contains known issues that were found in 10.5.0.1.

### Data Engineering Known Issues (10.5.0.1)

The following table describes known issues:

Bug	Description
BDM-38145	Mappings fail when you use the MAP_KEYS function to pass an array of keys to the join condition in an SQL override. Workaround: Pass the array of keys to the join condition without using the MAP_KEYS function.
BDM-38142	Developer Tool users without administrator-level permissions cannot view run-time applications or application objects.
BDM-38082	Mappings that contain a blockchain data object as a source or target fail with the following error:  <code>Caused by: java.lang.IllegalArgumentException: Wrong FS: &lt;HDFS location&gt;, expected: file:///</code>

Bug	Description
BDM-37909	When you run a mapping in Spark mode on a Cloudera CDP cluster version higher than 7.2.1, the mapping fails with the following error: <code>SEVERE: The Integration Service failed to run the Hive task</code> <b>Workaround:</b> Use Cloudera CDP version 7.2.1 or lower.
IIS-5558	On a Databricks cluster, when you run a streaming mapping with Azure Kafka sources and targets, the mapping fails with a <code>jep module not found exception</code> error when the following conditions are true: <ul style="list-style-type: none"> <li>- The mapping contains a Python transformation.</li> <li>- The resource files in the Python transformation are set to a user-defined external module.</li> </ul>
ISD-2340	Mappings that use intelligent structure models that are based on CSV, XML, or JSON sample files fail to run on Databricks 7.3 with the following error: <code>ERROR Uncaught throwable from user code: java.lang.NoClassDefFoundError: com/informatica/adapter/parser/atlantic/AtlanticDataFrameGenerator</code>

## Data Privacy Management Known Issues (10.5.0.1)

The following table describes known issues:

Bug	Description
SATS-40931	You cannot import a catalog resource if you have run a scan on the resource and rejected the data domain assignment in Enterprise Data Catalog. The import fails with a constraint violation error.
SATS-40929	If you import a File System resource type from Enterprise Data Catalog, the resource does not include the path value.
SATS-40788	If you import a JDBC data store, the data store does not include the JDBC driver class name.
SATS-40745	If you import an Active Directory data store, the data store does not include the JDBC driver class name.

## Enterprise Data Catalog Known Issues (10.5.0.1)

The following table describes known issues:

Bug	Description
MDX-22679	On the execution of Power BI, the Advanced Scanners processing log does not show an error for when you specify a workspace that does not exist.
MDX-22673	For the Greenplum database, Advanced Scanners fails to parse arrays. The following error message is displayed:  <pre>ERROR ERROR Failed to analyze statement. Parse error (InputMismatch) on token: '['. Line.column: 5.21, Text: [ &gt;[&lt;2] =]&lt;SQL&gt;CREATE FUNCTION edc_advscan_gp_gp_a_q_p_array_update() RETURNS int4 AS \$metadex\$ BEGIN UPDATE GP_A_Q_SQL SET PAY_BY_QUARTER [2] = (SELECT ITEM_IN_ID FROM GP_A_Q_ITEM_IN); RETURN 0;END; \$metadex\$ language PLPGSQL;&lt;/SQL</pre>
MDX-22624	Advanced Scanners cannot read JSON, XML, and PDF file types from PowerBI Cloud. The Advanced Scanners log returns the following error:  <pre>Could not resolve expression due to following exception. Will create emergency lineage using expected columns. com.compactsolutionsllc.cdimec.powerquery.obj.env.PowerQueryException: Unable to evaluate PowerQuery expression. Unknown object: Table.ExpandRecordColumn Call stack: Changed Type, Expanded Employee</pre>
MDX-22518	For the Greenplum database, Advanced Scanners is unable to read a function when called from another function. You cannot analyze nested function calls.
MDX-22447	When you run a PowerBI scan, Advanced Scanners extracts all connections in lowercase, instead of the original case from all file paths.
MDX-22417	Advanced Scanners repository does not show lineage in Oracle ODI visualizations.
MDX-22039	Advanced Scanners does not show the required attributes for Microsoft Power BI objects.
MDX-22024	In Advanced Scanners <b>Lineage and Impact</b> tab, you cannot expand a Windows PowerBI Dashboard asset.
MDX-22008	In Advanced Scanners, for Microsoft PowerBI, when you use the "Exclude:Workspace:Report" filter, the entire workspace is excluded.
MDX-22001	Advanced Scanners does not list versions of generation data groups (GDGs) in the lineage. For example, when you call a file in JCL, use just the file name and not its previous version number (+1).
MDX-21901	Advanced Scanners displays improper lineage for Windows PowerBI configuration execution with Web DataSet.
MDX-21645	In Advanced Scanners, when you run a Talend configuration, a Calculation icon is displayed for configurations with column values created with the expression logic.
MDX-20661	In Advanced Scanners, the memory footprint is very high when you run the Oracle scanner with 5000 stored procedures.

Bug	Description
EIC-55555	<p>The <code>infacmd ldm restoreContents</code> command fails with the following error:  [[BackupRestoreClient_20016] The ZIP file /data/Informatica/LDM1050/Backup.zip used to restore data is not a backup store's data backup ZIP file.].</p> <p>Workaround: Perform the following steps:</p> <ol style="list-style-type: none"> <li>1. Take a backup of the .zip file.</li> <li>2. Run the command: <code>zip -d &lt;backup zip file name&gt; "Meta_INF/metainfo.properties"</code></li> <li>3. Perform the restore operation using the <code>infacmd ldm restoreContents</code> command.</li> </ol>
EIC-54873	<p>When the Informatica domain is enabled for SSL, the client certificates are not generated correctly when you enable the Catalog Service if passwordless SSH connection is not configured between the Catalog Service node and the Informatica Cluster Service gateway host.</p> <p>Workaround: Configure passwordless SSH connections between the Catalog Service node and the Informatica Cluster Service gateway host.</p>
EIC-55297	<p>When you access the Catalog Administrator using a browser configured with a non-English language setting, the following walkthroughs do not launch:</p> <ul style="list-style-type: none"> <li>- Resource Creation</li> <li>- Custom Attribute Creation</li> <li>- Data Domain Creation</li> <li>- Security and Permissions Management</li> </ul>
EIC-55285	<p>If you set the <code>-DcustomScannerMaxFileSize</code> JVM option value higher than the default value, the custom metadata and custom lineage resources fail.</p>
EIC-55212	<p>You cannot open assets of offline resources in Enterprise Data Catalog.</p>
EIC-54872	<p>SAP S4/HANA full scan fails with the <code>OutOfMemory</code> exception for Medium memory configuration setting.</p>
EIC-54104	<p>For HDI SPARK cluster, when you select WASB as the storage type, HDFS Scanner test connection fails.</p>
MDX-21904	<p>For Microsoft Power BI, Advanced scanners does not support the connection to ADLS Gen2.</p>
MDX-22714	<p>For Microsoft Power BI, Advanced Scanners does not support a connection to ODBC Oracle.</p>
EIC-55534	<p>You cannot accept or reject data domains of a custom resource.</p>
EIC-55375	<p>When you navigate to the compact lineage view from the classic view, the Lineage and Impact tab fails to load after you click a table name in the view.</p>
EIC-55030	<p>When you apply or rollback 10.5.0.1 from version 10.5, the 10.5.0.1 installer log file displays the following error message:</p> <pre>Cannot perform the backup operation because the following file does not exist: /data/Informatica/LDM1050//services/RevService/rude/lib/ com.infa.products.repository.prs.common.interface-10.5.0.64.523-SNAPSHOT.jar</pre>
MDX-22757	<p>Microsoft Power BI execution fails if the report connects to Teradata.</p>

Bug	Description
MDX-22593	For Microsoft Power BI, if you use a data set that has a Merged Query operation in PowerQuery, you cannot view lineage to the source. The logs contain the following warning: Unable to evaluate PowerQuery expression. Unknown object: QueryName Call stack: Merged Queries, QueryName
MDX-22732	For Microsoft Power BI, you cannot see columns extracted for the report in the Enterprise Data Catalog.
MDX-22027	For Microsoft Power BI configuration, Advanced Scanners does not display the lineage if you import the data set from the web.
MDX-22816	In a Microsoft Power BI Cloud Reader configuration, when you select files in <b>Reader mode</b> , execution fails.
MDX-21900	Microsoft PowerBI queries that include data set created from Azure Blob are not fully extracted. Extraction ends on the directory structure.
MDX-22607	For the Snowflake scanner, the parser does not recognize the JavaScript Arrays.
MDX-22694	For Snowflake External Stage (S3), the lineage has a redundant loop between stage and S3.
MDX-22595	Greenplum scanner fails when processing an INOUT parameter.
MDX-22614	Greenplum scanner fails when processing a CURSOR statement.
MDX-22616	Greenplum scanner fails when processing a SELECT INTO statement.
EIC-55501	For the relational resource, on the <b>Columns</b> tab, some columns do not appear on the list after migration. Workaround: 1. In the Catalog Service administrator console, set the following custom property: LdmCustomOptions.ingest.path.build.on.republish=true 2. Recycle the Catalog Service. 3. In the administrator console for Catalog Service, click <b>Re-index</b> .

## Third-Party Known Issues (10.5.0.1)

The following table describes third-party known issues:

Bug	Description
BDM-37988	When the Blaze engine runs a mapping on a MapR 6.1 cluster, the mapping fails if it reads from or writes to an Avro-formatted file stored on Hive. The mapping fails 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.RuntimeException: Failure to execute Query <query> on the hive Server.]  MapR ticket number: 00101221

## Informatica Global Customer Support

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<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.