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## Preface

Informatica 10.5.1.1 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.

# Apache Log4j RCE Vulnerabilities

Informatica 10.5.1.1 addresses the CVE-2021-44228 and CVE-2021-45046 Log4j RCE vulnerabilities by removing the JndiLookup class from the vulnerable Log4j libraries.

If you have completed the remediation steps in your current version of Informatica, you don't need to take any further action.

If you have not completed the remediation steps in your current version, you need to apply EBF-23143 before you apply 10.5.1.1 as described in [“Apply EBF-23143 to remediate Log4j security vulnerabilities” on page 2](#). After you complete this step, you don't need to take any further action after you apply 10.5.1.1.

## Installation

### Before you apply the service pack

#### Verify the upgrade paths

Version 10.5.1.1 is a service pack that you apply to version 10.5.1. For information about the supported upgrade paths to upgrade to Informatica version 10.5.1, refer to the [10.5.1 Upgrade Paths](#) document.

#### Apply EBF-23143 to remediate Log4j security vulnerabilities

Apply EBF-23143 to Linux 64 nodes to remediate Apache Log4j vulnerabilities in the Metadata Manager subdirectory of the Informatica installation directory.

**Note:** If you already applied EBF-23143 on your 10.5.1 installation, you do not need to apply this EBF again.

**Important:** Make sure that you apply this EBF even if you do not use Metadata Manager.

You can download the EBF from <http://tsftp.informatica.com>. Please see [Knowledge Base article 497394](#) for instructions on logging in to our TSFTP server.

#### Download the service pack files

Informatica provides the service pack in .tar and .zip formats. Download one or more installer packages to install or roll back the service pack. After you download the service pack, extract the file contents. The service pack is available for Linux installation. The service pack is also available for Windows installation for Informatica Developer and PowerCenter clients.

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.

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

#### **Download the following package for the service pack installer:**

- `informatica_10511_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_10511_client_winem-64t.zip`  
Contains updates for the Developer tool installation.

#### **Download the following package for the command line utilities:**

- `informatica_10511_cmd_utilities_linux-x64.zip`  
Contains updates for Redhat Enterprise Linux, Ubuntu, SUSE 12, and Amazon Linux 2 installations.

## **Complete Enterprise Data Catalog prerequisites**

Before you apply Informatica 10.5.1.1, perform the actions listed in the following section.

### **Run the Cluster Validation Utility**

Download and run the Informatica Cluster Validation utility for version 10.5.1.1 to validate the prerequisites for Enterprise Data Catalog.

### **Configure the MaxStartups parameter for the SSH server configuration file**

In all the cluster nodes, open the `/etc/ssh/sshd_config` file and configure the value of the MaxStartups parameter to 30:30:100 to increase the number of unauthenticated concurrent SSH connections to 30.

Unauthenticated SSH connections are socket connections to the SSH daemon that are established without user authentication.

After you configure the parameter, restart the sshd daemon using the following command: `sudo systemctl restart sshd`.

### **Back up the Catalog Service**

Back up the Catalog Service with the `infacmd ldm backupContents` command. For more information about the Catalog Service back up command, see "[backupContents](#)" in the *Command Reference*.

**Note:** If you upgraded to Enterprise Data Catalog version 10.5.1 from versions 10.4 or 10.4.1 including any service pack and cumulative patch, delete the following JAR file from the nodes on which the Catalog Service runs: `<Informatica installation directory>/logs/<NodeName>/services/CatalogService/<CatalogServiceName>/migrate/restore.jar`

## Stop the Advanced Scanners server

Run the following command to stop the Advanced Scanners server: `<Informatica installation directory>/services/CatalogService/AdvancedScannersApplication/app/server.sh stop`

## Back up the Advanced Scanners repository

Use your standard database backup procedure to back up the Advanced Scanners repository.

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

## Complete Data Privacy Management prerequisites

If you enabled User Behavior Analytics and use an Elasticsearch X-Pack version that includes SSL and authentication, perform the following steps:

1. Back up the `elasticsearch.tar.gz` file from the following location: `<Informatica installation directory>/services/InfraClusterService/ServiceBinaries`
2. Download the log4j 2.17.0 jar files from the official Apache download site.
3. Replace the Log4j 2.11.x jar files in the elasticsearch tar file backup with the Log4j 2.17.0 jar files. The jar files are stored in the following directory: `elasticsearch.tar.gz/elasticsearch-7.9.1/lib`

## 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 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

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 can't automatically roll back the service pack using the installer. You must perform the steps listed in the [“Roll back the service pack” on page 5](#) section to roll back the service pack.

5. Save and close the file.

## Install the service pack

Run the installer file to install the service pack.

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 for the services is `install.sh`.
  - For Windows systems, the installer file for the clients is `install.bat`.
3. Run the installer.

## Roll back the service pack

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

1. In the `input.properties` file, configure the value of the `ROLLBACK` property. 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. 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`

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.

If you modified the `sudoers` file after you applied the service pack to Enterprise Data Catalog version 10.5.1, verify that you provided `sudo` permissions for the `tee` and `sed` commands before you enable the Informatica Cluster Service.

## After you apply the service pack

### Complete the Data Privacy Management tasks

If you enable User Behavior Analytics and use an Elasticsearch X-Pack version that includes SSL and authentication, perform the following steps after you apply the service pack:

1. Replace the `<Informatica installation directory>/services/InfaClusterService/ServiceBinaries/ES/elasticsearch.tar.gz` file with the tar file backed up before install.
2. Log in to the machine that hosts the Informatica Cluster Service and run the following command to shut down Elasticsearch:  

```
sudo systemctl stop elasticsearch
```
3. If you started the domain after applying the service pack, perform the following steps:
  - a. Log in to the Administrator tool and restart the Informatica Cluster Service in Abort or Complete mode.
  - b. After the Informatica Cluster Service starts, verify that the Catalog Service starts. If the service does not start, restart the service.
4. If you did not start the domain after applying the service pack, start the domain.

## 10.5.1.1 Fixed issues and closed enhancements

### Data Engineering Integration Fixed Issues (10.5.1.1)

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

The following table describes fixed issues:

Issue	Description
OCON-28646	When you run a Sqoop mapping on the Spark engine to import data from Oracle that contains the word join in the table names, the mapping fails with the following error: NFO: Remove compiled files failed with exception: --table or --query is required for import. (Or use sqoop import-all-tables.)

### Data Engineering Streaming Fixed Issues (10.5.1.1)

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

The following table describes fixed issues:

Issue	Description
IIS-5382	File target with Avro and Parquet format skips rows with null values.
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.

## Enterprise Data Catalog Fixed Issues and Closed Enhancements (10.5.1.1)

### Fixed Issues

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

The following table describes fixed issues:

Issue	Description
EIC-58008	The File System resource fails for CVS files that contain header rows with multiple delimiters.
EIC-58177	When you scan a resource for Business Term Association, the Business Glossary resource fails with the following error: <code>NullPointerException</code>
EIC-58179	In a complex mapping with multiple joiners, a part of lineage is missing for an Informatica Intelligent Cloud Services - Cloud Data Integration resource.
EIC-58356	When you run the PowerCenter resource, the pmrep command fails with an unexpected condition and the resource fails.
EIC-58204	Discovery of non-parquet files fails for both Spark and native engines if you configure the AWS Identity and Access Management (IAM) role in the Amazon S3 bucket resource.
EIC-58125	When you edit an IBM Cognos resource by selecting a different content or package, the default content remains selected.
EIC-58026	When you search for a business term using double quotes, the <b>Search Results</b> page stops responding.
EIC-58027	The <b>Overview</b> tab of a resource does not display the users associated with the resource when you open the resource for the first time.
EIC-58215	The following error appears when you try to save a resource that includes custom attributes: <code>Index: 0, Size: 0</code>
EIC-58203	Enterprise Data Catalog assigns duplicate business terms to columns when you associate business terms to assets.
EIC-58209	You cannot view the complete list of data owners and data stewards when you add data owners and data stewards to assets.
EIC-57275	PowerCenter parameter file utility logs show the stack trace for the <code>file not found</code> exception.

Issue	Description
EIC-49033	<p>The following issues appear in Enterprise Data Catalog:</p> <ul style="list-style-type: none"> <li>- If the same user is part of multiple security domains, then the data owner, data steward, and subject matter experts assigned in the People section of the Overview tab do not appear as separate entries.</li> <li>- If you assign a user from a specific security domain, the role of a data owner, data steward, or subject matter expert, then the role is assigned to the user from another security domain.</li> </ul> <p>The issues occur in the following scenarios:</p> <ul style="list-style-type: none"> <li>- There are multiple users with the same first name, last name, and user IDs associated with different security domains.</li> <li>- There are multiple users with the same first name, last name, and different user IDs associated with the same security domain.</li> </ul>
EIC-58247	In the <b>Overview</b> tab for an Axon resource, the <b>Resource Contains</b> section lists the Axon Policies asset incorrectly as Axon Polics.
EIC-58039	The PowerCenter resource repository scan fails for some folders.
EIC-58038	Auto connection assignment overwrites valid connections when you scan similar resources.
EIC-58037	When you load the PowerCenter resource, it fails with the following error: <code>MITI.MIRException: Illegal ArgumentTheDiDesignContent'Directory[DirectoryStructureModel]/Folder[Folder]/Workflows[Folder]/WF_TEST[DiDesignContent]' already contains aClientOfDiEmbeddingwith this Object: 'ObjectName'</code>
EIC-58031	The Metadata scan of all Oracle Exadata resources fails for a proxy user after the update from version 10.4.1.3 to 10.5.1.1.
EIC-58061	The Informatica Intelligent Cloud Services - Cloud Data Integration resource is unable to parse xml successfully. The resource fails with the following error: <code>NullPointerException</code>
EIC-58289	In Catalog Administrator, when you run a custom resource with the <b>Files in Remote Path</b> option selected, the system searches for the file only in the Mongo filestore and the resource fails with the following error: <code>No file found at the input location:</code>



Issue	Description
EIC-58358	Lineage from the Informatica Intelligent Cloud Services - Cloud Data Integration (IICS-CDI) resources does not display several fields from tables loaded by a complex mapping that has multiple joiners.
EIC-57075	The error message for the HiveRowCountScannerExecutor job fails to report the scanner execution exception properly.
EIC-58405	Partitioned file discovery does not work in the 10.4.1.3.7 version of Enterprise Data Catalog for an HDFS resource with MapReduce Hadoop distribution type.
EIC-57902	In Enterprise Data Catalog, the underscore-min.js file in the Idmcatalog WAR file creates vulnerabilities.
EIC-57838	Backup of the catalog fails when you upgrade to 10.5.x versions of Enterprise Data Catalog as the export utility stops responding.
EIC-58029	When you run a Tableau resource with all workbooks, the source columns do not appear in the Lineage and Impact tab.
EIC-58028	The Enterprise Data Catalog tool does not display complete lineage and impact information for the Tableau resource. This issue occurs as the Tableau resource is unable to extract connection objects.
EIC-58010	Profiling fails for the Microsoft Azure SQL Data Warehouse resource when you use Azure Data Lake Storage Gen2 as the storage type instead of Microsoft Azure Blob in the Catalog Administrator tool.
EIC-58007	Profiling fails for the Amazon Redshift resource when sampling and unique key inference profiling are enabled in the Catalog Administrator tool for the resource.
EIC-57995	When you use the Idm migrateContents command options in infacmd Idm to migrate content, the Catalog Service fails with the following error message: <code>Queue full.</code>
EIC-58275	The Enterprise Data Catalog tool displays incorrect lineage and impact information at the data source level for the Tableau resource.
EIC-58494	Profiling fails for the Microsoft Azure SQL Data Warehouse resource with tables that have columns of data type, varchar(max).
EIC-57825	Similarity profiling fails for the Apache Hive resource with wide columns that have a large amount of data.

Issue	Description
EIC-58040	The Catalog Administrator tool does not accept regular Java expressions when you create rule based data domains.
EIC-58009	If a table name in the SAP HANA resource contains a forward slash (/), the Enterprise Data Catalog tool does not display the value frequency and similar columns information in the column Overview tab.
IDE-5437	Performance issues occur when you profile the Hive resource with random percentage as a sampling option. These performance issues occur when you profile the Hive resource with the same sampling option for very large and small tables.
EIC-58178	The composite data domain discovery job does not run successfully for Enterprise Data Catalog in an Informatica domain enabled for high availability.
EIC-58246	Profiling all rows in a Databricks source fails with an SQL exception. This issue occurs because of invalid characters in the SQL query.
EIC-57316	When you purge a Database Scripts resource, the Enterprise Data Catalog tool does not remove the lineage and impact information between assets.
EIC-57917	The Data Domain resource fails in the Catalog Administrator tool with the following error message: ExecuteThread- {Task DataDomain DataDomainSyncScanner_DataDomainSyncExecutor} ] WARN com.infa.products.ldm.ingestion.client.impl.PublishRequest- Ignoring Data Exchange Document with docId [DataDomainGroup_PII] because it is failed during data-validation step with error [com.infa.products.ldm.ingestion.exceptions.DataValidationException: [DataValidationException_00009] Data validation failed with following errors for exchange document with identity [DataDomainGroup_PII]. [Property [DataDomainGroup://PII] refers to attribute [com.infa.ldm.profiling.dataDomainLastModifiedTime] which is not registered in any model.]
EIC-58271	When you restart the Catalog Service, disabled schedules of the Data Domain resource in the Catalog Administrator tool are enabled.
DAA-2479	The Data Asset Analytics repository takes longer than expected to populate the analytics data.

Issue	Description
EIC-58126	When you delete a scheduled resource and then create the resource again with the same name, the following error message appears: java.lang.RuntimeException: The name conflicts with another object. Specify a unique object name.
EIC-57777	When a large number of tasks are present, the <b>Tasks</b> pane in the <b>Monitoring</b> tab does not display any items.
EIC-57874	After you disable the schedule for the data domain resource, the schedule is enabled again when you recycle the Catalog Service.
EIC-57877	When the extraction of the Scanner_Dependencies.zip file fails, no error messages appear in the ICS.log log file.
EIC-57563	After you restart the cluster nodes, the associated services for the Informatica Cluster Service are started in a random order.
EIC-57422	When you assign connections to multiple links, certain links incorrectly move to the <b>Auto Assigned Connections</b> tab.
EIC-57394	The catalog backup using the infacmd ldm backupContents command fails if you have not set the INFA_TRUSTSTORE and the INFA_TRUSTSTORE environment variables. The error message that appears does not contain sufficient information.
EIC-57353	If you have replaced the custom SSL certificates, the catalog restore fails. Workaround: Enable the Informatica Cluster Service and the Catalog Service after you replaced the custom SSL certificates.
EIC-57274	When the migration of the column similarity data fails, the migration log file does not display an error or warning message.
EIC-56565	The Catalog Service fails with an out-of-memory error when you try to assign permissions to a large number of resources simultaneously.
EIC-58348	After you upgrade from version 10.4.1 of Enterprise Data Catalog, the case sensitivity for custom resources based on the IBM DB2 model is set to true.
EIC-58589	Lineage between Microsoft SQL Server and SAP BusinessObjects resources is lost when you scan the SAP BusinessObjects resource again without any changes.

Issue	Description
MDX-23693	When you run an existing Advanced Scanners configuration after upgrade, you cannot see the processing information in the Advanced Scanners tool. Workaround: You can view the processing information in the following directory: \$<Informatica installation directory>/AdvScannersWorkspace/processings.
MDX-25099	The Talend connector uses an incorrect account name to calculate the connection key for the Snowflake resource.

### Closed Enhancements

The following table describes closed enhancement requests:

Issue	Description
EIC-58207	You can use the name parameter in the attributes and the referenceAttributes Model Information REST APIs to filter the list of attributes and reference attributes.
EIC-57713	The Informatica Cluster Service uses rsync instead of scp to transfer files such as binaries and certificates between cluster nodes.
MDX-21709	When you do not define a connection, and a scan with a connectionless approach occurs, Advanced Scanners tool creates a connection. You receive a warning message in the logs.

## 10.5.1.1 Known issues

### Data Engineering Integration Known Issues (10.5.1.1)

The following table describes known issues that were found in 10.5.1.1:

Issue	Description
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-39284	When you attempt to download aggregated logs for a mapping that ran using the Spark run-time engine, the download fails when the environment is set to a non-EN language.

Issue	Description
BDM-39260	A mapping that runs on Blaze engine fails if the following conditions are true: <ul style="list-style-type: none"> <li>- The mapping contains Sorter transformations that sorts the source data before passing it to the Joiner transformation.</li> <li>- The Sorter transformation and the Joiner transformation are connected using static port.</li> </ul>
OCON-28926	When you run a Scoop mapping on the Cloudera CDP version 7.1.7 distribution to read from or write data to Microsoft SQL Server, the mapping fails with the following error: Caused by: java.security.cert.CertificateException: Certificates do not conform to algorithm constraints

## Data Engineering Streaming Known Issues (10.5.1.1)

The following table describes known issues that were found in 10.5.1.1:

Issue	Description
IIS-5716	In Spark Job Server mode, the previous jobs appear in the spark job list for each consecutive run.
IIS-5715	When you preview data on a streaming mapping with Spark version 2.3.x for Hortonworks HDP, Azure HDInsight, and MapR Hadoop distributions, the data preview job fails in Spark job server and Spark submit mode.
IIS-5702	When you preview data on a streaming mapping that contains an array in JSON format in Kafka source, the mapping fails.
IIS-5694	When you preview data on a streaming mapping with the following data quality transformations, the mapping fails: <ul style="list-style-type: none"> <li>- Address Validator</li> <li>- Classifier</li> <li>- Parser</li> <li>- Standardizer</li> </ul>
IIS-5690	When you preview data on a transformation in streaming mapping that contains a decimal type port, the mapping fails.
IIS-4719	When you run a streaming mapping with ADLS Gen 2 on autoscale enabled Azure Databricks cluster, the target files from the active directory do not move to the target directory when the executor goes to a dead state.

## Data Privacy Management Known Issues (10.5.1.1)

The following table describes known issues that were found in 10.5.1.1:

Issue	Description
SATS-41819	You cannot run incremental Subject Registry scans on Salesforce data stores.

## Enterprise Data Catalog Known Issues (10.5.1.1)

## Known Issues

Issue	Description
EIC-58445	When you extract metadata with the Azure Synapse resource, only one character appears for the columns of the varchar(max) type. The issue occurs as the datatype length attribute for the varchar(max) column returns a value of -1.
EIC-58404	Profiling fails with the following error message for columns of numeric data type with a value of 9999999999999999999999999999999999999999999999999999999: Internal error. The call to SetBigDecimalData failed for the column index [3] and the data [9999999999999999999999999999999999999999999999999999999] because of the following error: [INFA_FAILURE]. Contact Informatica Global Customer Support.
EIC-58311	When you run column profiling in the hybrid connection mode on tables with record data type for the Google Big Query resource, the profiling fails with a java.lang.RuntimeException.
EIC-57621	After you upgrade from version 10.4.1 to version 10.5.1, the Enterprise Data Catalog tool does not display business glossary recommendations on the Assets in the Resource page. <b>Workaround:</b> To resolve this issue, perform the following steps: <ul style="list-style-type: none"> <li>- After you upgrade and before you enable the Catalog Service, add the following custom property in the Catalog Service: LdmCustomOptions.scanner.systemScannerMinutelyRecurrence.DataDomainPropagation.DDPScanner = 999999.</li> <li>- Before you migrate the content, make sure that the schedule for the Data Domain Propagation resource is disabled.</li> <li>- After you migrate the content, make sure that the Data Domain Propagation resource did not run after the upgrade.</li> </ul>
EIC-58536	You cannot modify the session timeout value configured for the Catalog Administrator tool.
EIC-58627	You cannot enable or disable the Name attribute on the <b>Application Configuration</b> page.
MDX-25323	When you run the IBM InfoSphere DataStage advanced scanner, the following error appears: Failed to process deferred PL/SQL scriptcom.compactsolutionsllc.cdime.app.modules.exceptions.InvalidInputException: Unable to parse script.

Issue	Description
EIC-58424	Columns in the Google BigQuery resource are ordered alphabetically, instead of by their position in the Catalog.
EIC-57492	If the dnsdomainname command is not available on the node on which the Catalog Service runs, the service fails with the following error: ERROR "java.lang.RuntimeException: Failed : HTTP error code : [500]"
EIC-58263	If the catalog data backup does not contain the SEARCH store, the backup validation fails without an error message when you apply or roll back the service pack.
EIC-58605	When you export asset data to a Tableau Data Extract file from the <b>Overview</b> tab of a table, an error occurs.
EIC-58630	You cannot access the Enterprise Data Catalog Plug-in extension in Incognito mode in Google Chrome.

## Enterprise Data Preparation Known Issues (10.5.1.1)

The following table describes known issues that were found in 10.5.1.1:

Issue	Description
IDL-18655	If you are using Enterprise Data Preparation with Cloudera Data Platform (CDP) Isilon setup, the active maplet execution fails with permission error.

## Third-party Known Issues (10.5.1.1)

The following table describes known issues that were found in 10.5.1.1:

Issue	Description
BDM-39256, BDM-39251	<p>Mappings run on Cloudera CDH version 7.1 cluster might fail when the following conditions are true:</p> <ul style="list-style-type: none"><li>- The mapping reads from or writes to hive data object with LLAP enabled.</li><li>- The mapping runs on the Spark engine.</li></ul> <p>You might see the following error:</p> <pre>Caused by: java.lang.NoSuchMethodError: org.apache.hadoop.hive.llap.FieldDesc.getTypeInfo()Lshadehive/org/ apache/hadoop/hive/serde2/typeinfo/TypeInfo;Caused by: java.lang.NoSuchMethodError: org.apache.hadoop.hive.llap.FieldDesc.getTypeInfo()Lshadehive/org/ apache/hadoop/hive/serde2/typeinfo/TypeInfo; at com.hortonworks.spark.sql.hive.llap.util.SchemaUtil.convertSchema( SchemaUtil.java:27)</pre> <p>Cloudera ticket reference number: 825814</p>
BDM-39163	<p>The TO_DATE function renders the date 0001-01-01 as 0002-01-01 when a mapping that runs on the Spark engine converts a Hive text table to Hive Parquet. The issue was observed using Amazon EMR 5.20, HDInsight 3.1, and Cloudera CDP, and Dataproc 2.0</p> <p>Spark ticket reference number: SPARK-25919, SPARK-36459.</p>
BDM-38954, BDM-38938	<p>When you aggregate log files for a data engineering job run on a Cloudera CDP Public Cloud cluster, the Data Integration Service fails to aggregate logs in the following situations:</p> <ul style="list-style-type: none"><li>- The job is a mapping run on the Blaze or Spark engine.</li><li>- The job is a data preview job run on the Spark engine.</li></ul> <p><b>Workaround:</b> When the application state is <i>Running</i> or <i>Completed</i>, run the following command on the node that runs the job:</p> <pre>kinit -fkt &lt;Kerberos keytab&gt; &lt;Service Principal Name&gt;</pre> <p>Cloudera ticket reference number: 817615</p>
BDM-38934	<p>When you aggregate log files for a data engineering job run on a Cloudera CDP Public Cloud cluster that uses Apache Knox authentication, the job fails to aggregate logs from the node manager. Aggregating the logs fails with the following error:</p> <pre>SEVERE: [CORE_0003] An internal exception occurred with message: java.net.ConnectException: Connection refused (Connection refused)</pre> <p>Cloudera ticket reference number: 817524</p>

## Emergency bug fixes merged into 10.5.1.1

Informatica merged Emergency Bug Fixes (EBFs) from previous releases into version 10.5.1.1. These EBFs provided fixes for issues that were found in previous releases.

For a list of EBFs that were merged into version 10.5.1.1, see the following Informatica Knowledge Base article:

[https://knowledge.informatica.com/s/article/What-are-the-Emergency-Bug-Fixes-EBFs-merged-into-Informatica-10511?language=en\\_US](https://knowledge.informatica.com/s/article/What-are-the-Emergency-Bug-Fixes-EBFs-merged-into-Informatica-10511?language=en_US)



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