

Release Notes

Cloudera JDBC Driver for Impala 2.5.38

The release notes provide details of enhancements and features in Cloudera JDBC Driver for Impala 2.5.38, as well as the version history.

Resolved Issues

The following issues were resolved in Cloudera JDBC Driver for Impala 2.5.38.

[00093137] Driver incorrectly passes SSLTrustStore configuration to the server as a server-side property.

This issue has been resolved.

[00092811] Translation fails due to the driver treating coercion between STRING and BIGINT columns as an invalid operation.

This issue has been resolved.

[00092442] When certain fetch sizes are set for the result set, the driver incorrectly returns an error while executing a query.

This issue has been resolved.

Version History

Version 2.5.37

Enhancements & New Features

The following are highlights of the new features and functionalities that have been added to Cloudera JDBC Driver for Impala 2.5.37.

Specify asynchronous exec poll interval

You can now specify the time in milliseconds between each poll that the driver makes for the query execution status. Specify the number of milliseconds in the Advanced Options dialog box in the Async Exec Poll Interval field, or in the AsyncExecPollInterval configuration option.

Support for Impala 2.8

The driver now supports Impala versions 1.0.1 through 2.0.8.

Resolved Issues

The following issues were resolved in Cloudera JDBC Driver for Impala 2.5.37.

[91991] Update/Delete statements require a semicolon at the end.

This issue has been resolved.

[92354] Can't delete rows by specifying the primary key of the row.

This issue has been resolved.

[92116] Conflicting information in documentation regarding CDH.

This issue has been resolved.

Version 2.5.36

Enhancements & New Features

The following are highlights of the new features and functionalities that have been added to Cloudera JDBC Driver for Impala 2.5.36.

[89380] Kerberos constrained delegation

The driver now supports Kerberos constrained delegation.

[90277] Kerberos authentication type

Users can now configure the driver to use either JAAS or ticket cache authentication, or set the driver to automatically detect which method the data source is using and authenticate accordingly.

Resolved Issues

The following issues were resolved in Cloudera JDBC Driver for Impala 2.5.36.

[90179] A select * query on a table with certain column types causes a system message from the data source server.

This issue has been resolved.

Version 2.5.35

Resolved Issues

The following issues were resolved in Cloudera JDBC Driver for Impala 2.5.35.

The driver does not properly detect a TOP statement and inserts a TOP 0 before it to generate the limit 0 query. This happens if there is an additional space in the query before the original TOP.

This issue has been resolved.

Queries with YEAR and ISO_WEEK functions failing due to a data type mismatch.

This issue has been resolved.

Version 2.5.34

Enhancements & New Features

The following are highlights of the new features and functionalities that have been added to Cloudera JDBC Driver for Impala 2.5.34.

Authentication method and transport protocol

You can now specify if SASL should be used in conjunction with the 'User Name and Password' Authentication Mechanism (`AuthMech=3`) by using the `UseSasl` connection property. Previously this was done through the `transportMode` connection property, which has now been removed.

Version 2.5.33

Enhancements & New Features

The following are highlights of the new features and functionalities that have been added to Cloudera JDBC Driver for Impala 2.5.38.

Support added for parameterized INSERT statements in native queries

The driver is now able to execute parameterized INSERT statements when the `UseNativeQuery` property is set to 1. Previously, parameterized INSERT statements were only supported when the `UseNativeQuery` property is set to 0.

Resolved Issues

The following issues were resolved in Cloudera JDBC Driver for Impala 2.5.33.

[13555, 13635] In some cases, when executing queries through a connection that is shared between multiple threads, the driver stops responding or returns an “out of sequence response” exception

This issue has been resolved.

[13763] When the UseNativeQuery property is set to 0, the driver does not allow concurrent queries

This issue has been resolved.

[13516] The driver returns an error if the query results include TIMESTAMP data that only contains a time value

This issue has been resolved. You can now use the new `SupportTimeOnlyTimestamp` property to enable support for TIMESTAMP data that only contains a time value.

[13413] The driver returns an error if the query statement contains a table name with a 3-part qualifier

This issue has been resolved. You can now use the new the `StripCatalogName` property to avoid having table names with 3-part qualifiers. When `StripCatalogName` is enabled, the driver removes catalog names from query statements if translation fails or if the `UseNativeQuery` property is set to 1.

Version 2.5.32

Enhancements & New Features

The following are highlights of the new features and functionalities that have been added to Cloudera JDBC Driver for Impala 2.5.32.

[11605] Support added for optimizing driver performance for INSERT statements

You can now use the new `OptimizedInsert` connection property to optimize driver performance when executing INSERT statements. This optimization is enabled by default.

[13122] Support added for configuring the Thrift transport protocol

You can now use the new `transportMode` connection property to specify the transport protocol that the driver uses in the Thrift layer. The default `AuthMech` value now depends on the `transportMode` setting. For more information, see the *Cloudera JDBC Driver for Impala Installation and Configuration Guide*.

Implemented server version checking for the getTypeInfo() method

When you call the `getTypeInfo()` method, the driver now checks the version of the Impala server that you are connecting to and only returns data types that are supported by that Impala version.

The following issues have been resolved in Cloudera JDBC Driver for Impala 2.5.32.

[13209] When using a single statement to insert multiple rows, an OutOfMemory error occurs.

This issue has been resolved.

[12860] In some cases, when assertions are enabled and an error occurs, the driver return an assertion error instead of the appropriate error.

This issue has been resolved.

[13360] Driver incorrectly reports the buffer length and octet length of CHAR and VARCHAR data as 0.

This issue has been resolved.

[13360] In some cases, the driver returns a negative value for column size.

This issue has been resolved.

[13366] The data type names returned by the getTypeInfo() method are inconsistent from the data type names used in Impala.

This issue has been resolved.

Version 2.5.31

Resolved Issues

The following issues have been resolved in Cloudera JDBC Driver for Impala 2.5.31.

[12898] When translating a query that contains an implicit join, the driver disables the implicit join by using CROSS JOIN syntax

This issue has been resolved.

[13039, 13034, 12980] If an invalid server-side property is specified, the driver fails to connect

The driver now posts a warning for the invalid server-side property and continues the connection process.

[12889] When handling multiple connections at the same time, in some cases the driver returns a conversion error when attempting to convert INT data into Long data

This issue has been resolved.

[12876] Driver removes hints from queries

The driver no longer removes hints from queries. In order to preserve hints, the driver does not translate queries that contain hints even when it is configured to work in translation mode (`UseNativeQuery=0`).

[12860] Driver returns error when casting data to type TIMESTAMP

This issue has been resolved.

[12766] When the `Driver.getPropertyInfo()` method is called, the driver returns a null pointer exception

This issue has been resolved.

[12890] Driver casts NULL values to type STRING regardless of the return types specified in the searched CASE expression in the query

This issue has been resolved.

Version 2.5.30

Enhancements & New Features

The following are highlights of the new features and functionalities that have been added to Cloudera JDBC Driver for Impala 2.5.30.

Server-side properties now supported

When connecting to a server that is running Impala 2.0 or later, you can now use the driver to apply configuration properties to the Impala server by specifying those properties in the connection URL. For more information, see the *Cloudera JDBC Driver for Impala Installation and Configuration Guide*.

Updated handling of the UNION operator

Before, the driver translated UNION to UNION ALL when query translation was enabled (`UseNativeQuery=0`). The driver now translates UNION to UNION DISTINCT.

Resolved Issues

The following issues have been resolved in Cloudera JDBC Driver for Impala 2.5.30.

When the `setQueryTimeout()` method is called and the query processing time exceeds the query timeout value, the driver returns a socket timeout error

The driver now returns the correct error for query timeouts (`SqlTimeoutException`).

TPC-H queries that contain an EXISTS predicate or a value subquery fail to execute

This issue has been resolved.

When the isValid() method is called, the driver executes multiple SHOW TABLES statements that do not close, causing issues for connection pools

This issue has been resolved.

When attempting to execute a query that contains parentheses, the driver returns an error

This issue has been resolved.

Version 2.5.29

Resolved Issues

The following issues were resolved in Cloudera JDBC Driver for Impala 2.5.29.

When executing a query with parameter in Native query mode, the setObject operation fails

This issue has been resolved.

executeBatch() operation does not work properly when multiple parameter sets are added to the batch; only the first insert is working

This issue has been resolved.

Version 2.5.28

Enhancements & New Features

The following are highlights of the new features and functionalities that were added to Cloudera JDBC Driver for Impala 2.5.28.

Nested data types (ARRAY, MAP, and STRUCT) now supported

The driver now supports ARRAY, MAP, and STRUCT data types. For more information about how the driver translates and works with these data types, see "Data Types" in the *Cloudera ODBC Driver for Impala Installation and Configuration Guide*.

Resolved Issues

The following issues were resolved in Cloudera JDBC Driver for Impala 2.5.28.

When using `executeUpdate` in a prepared statement to insert more than 2 rows, the driver returns an error

This issue has been resolved.

Contact Us

If you are having difficulties using the driver, our [Community Forum](#) may have your solution. In addition to providing user to user support, our forums are a great place to share your questions, comments, and feature requests with us.

If you are a Subscription customer you may also use the [Cloudera Support Portal](#) to search the Knowledge Base or file a Case.

Important: To help us assist you, prior to contacting Cloudera Support please prepare a detailed summary of the client and server environment including operating system version, patch level, and configuration.