# Release Notes

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# Cloudera JDBC Driver for Apache Hive 2.6.10

**Released 2020-03-06**

These release notes provide details of enhancements, features, known issues, and workflow changes in Cloudera JDBC Driver for Apache Hive 2.6.10, as well as the version history.

For information about upcoming support deprecations or removals, see the Workflow Changes section. Deprecated features will not receive any updates, but will continue to be usable in their current state until support is removed in a future release.

## Enhancements & New Features

**[00176863][HIVEJ-584] Updated Thrift library**

The JDBC 4.2 version of the driver now uses version 0.13.0 of the Thrift library. Previously, this version of the driver used Thrift version 0.12.0.

The JDBC 4.0 and 4.1 versions of the driver continue to use Thrift version 0.12.0.

**[HIVEJ-575] Updated Jackson library**

The driver now uses version 2.10.1 of the Jackson library. Previously, the driver used Jackson version 2.9.9.

## Resolved Issues

The following issues have been resolved in Cloudera JDBC Driver for Apache Hive 2.6.10.

- [HIVEJ-577] The JDBC 4.1 version of the driver fails to connect to servers that require encryption using TLS 1.2.
- [HIVEJ-578] When you invoke the JDBC 4.2 driver with the Datasource class, an exception occurs.
- [00176503][HIVEJ-583] When you use the driver with the Denodo application, it returns the following error: "Could not initialize Class".

- [HIVEJ-596] In some cases, Hive queries fail with the following error: "com.cloudera.hiveserver2.exceptions.ExceptionConverter.toSQLException: [JDBC Driver]Index: 4, Size: 4"
- [HIVEJ-597] SQL statements using the EXISTS predicate return an error.
- [HIVEJ-599] The driver returns incorrect results for decimal columns.

## Known Issues

The following are known issues that you may encounter due to limitations in the data source, the driver, or an application.

- [HIVEJ-577] The JDBC 4.0 version of the driver fails to connect to servers that require encryption using TLS 1.1 or later.

  When you attempt to connect to the server, the connection fails and the driver returns an SSL handshake exception. This issue occurs only when you run the driver using Java Runtime Environment (JRE) 6.0.

  As a workaround, run the driver using JRE 7.0 or 8.0.

# Workflow Changes

The following changes may disrupt established workflows for the driver.

In addition to changes that are already implemented in the current version of the driver, this section describes potentially disruptive changes that will be implemented in a future version of the driver, so that you can plan accordingly.

## Upcoming

**Removing support for JDBC 4 (Java 6)**

As early as June 2020, the driver will no longer support JDBC 4 (Java 6). For a list of supported JDBC versions, see the *Installation and Configuration Guide*.

## Version 2.6.10

**Deprecated support for JDBC 4 (Java 6)**

Beginning with this release, support for JDBC 4.0 (Java 6) has been deprecated. Support will be removed in a future release. For a list of supported JDBC versions, see the *Installation and Configuration Guide*.

## Version 2.6.1

**Removed support for JDBC 3 (Java 5)**

Beginning with this release, the driver no longer supports JDBC 3 (Java 5). For a list of supported JDBC versions, see the *Installation and Configuration Guide*.

# Version History

## Version 2.6.9

**Released 2019-10-04**

## Enhancements & New Features

**[00144651][HIVEJ-561][00146044][HIVEJ-563][HIVEJ-554][HIVEJ-539] Updated third-party libraries**

The driver now uses the following third-party libraries:

- jackson 2.9.9
- jackson-databind 2.9.9.3
- Thrift 0.12.0
- ZooKeeper 3.4.14

**[HIVEJ-549] Support for JDBC 4.2**

The driver now supports JDBC 4.2. For more details see the *Installation and Configuration Guide*.

**[HIVEJ-551] New JDBC class names**

The driver now supports the following class names for Driver and DataSource that are independent of the JDBC version used:

- `com.cloudera.hive.jdbc.HS1Driver`
- `com.cloudera.hive.jdbc.HS2Driver`
- `com.cloudera.hive.jdbc.HS1DataSource`
- `com.cloudera.hive.jdbc.HS2DataSource`

The previous JDBC-version-specific class names for 4.0 and 4.1 are still supported.

**[00141040][HIVEJ-545] Renaming join columns**

By default, the driver does not allow join columns to be renamed. To enable the renaming of join columns, set the `RenameJoinColumn` property to `true`.

## Resolved Issues

The following issues have been resolved in Cloudera JDBC Driver for Apache Hive 2.6.9.

- [00146521][HIVEJ-569] The driver resolves the host name to an IP address for SSL verification, causing the host name verification step to fail.
- [HIVEJ-542] The driver incorrectly treats `SSLTrustStore` and `SSLTrustStorePWD` as server-side properties.

# Version 2.6.5

**Released 2019-02-21**

## Enhancements & New Features

**[HIVEJ-548] Updated CDH support**

The driver now supports CDH versions 5.0 through 5.16 and 6.0 through 6.2.

## Resolved Issues

The following issue was resolved in Cloudera JDBC Driver for Apache Hive 2.6.5.

- [00139103][HIVEJ-534] If a SQL query ends in a semicolon, the driver reports an error.

  This issue has been resolved. The driver now removes trailing semicolons from queries before sending them to the server.

# Version 2.6.4

**Released 2019-02-15**

## Enhancements & New Features

**[HIVEJ-481] Updated Hive Service support**

The driver now uses Hive Service 3.1.1 for HiverServer2 connections.

**[HIVEJ-501] Updated Hive support**

The driver now supports Apache Hive versions 0.11 through 3.1.

**[HIVEJ-503][HIVEJ-509][HIVEJ-511][HIVEJ-512] Updated third-party libraries**

The driver now uses the following third-party libraries:

- Thrift 0.11.0
- Log4j 1.2.17
- slf4j-api 1.7.25
- slf4j-log4j12 1.7.25
- ZooKeeper 3.4.13

## Resolved Issues

The following issue was resolved in Cloudera JDBC Driver for Apache Hive 2.6.2.

- [00132424][HIVEJ-498] Queries that use REGEX column specification fail.

  This issue has been resolved. The driver no longer attempts to parse REGEX column specification.

# Version 2.6.2

**Released 2018-05-22**

## Enhancements & New Features

**[HIVEJ-505] CDH 5.15 now supported**

The driver now supports CDH versions 5.0 through 5.15.

# Resolved Issues

The following issue was resolved in Cloudera JDBC Driver for Apache Hive 2.6.2.

- [00119341] The driver does not behave according to the `SocketTimeout` setting, and stops responding instead of returning an error when the server takes too long to respond to a request.

  This issue has been resolved. The driver now returns an error if the amount of time taken by the server to respond to a request exceeds the number of seconds specified by the `SocketTimeout` setting.

# Version 2.6.1

**Released 2018-04-27**

# Enhancements & New Features

**Improved installation process**

Third-party libraries are now bundled with the driver as a shaded jar file.

**Updated hive-service**

The driver has been upgraded to use hive-service-2.0.1 with JDBC 4.1 and hive-service-1.1.1 with JDBC 4.

**Updated third-party libraries**

The driver has been upgraded to use http-client 4.5.3, http-core 4.4.6, commons-codec 1.9, commons-logging 1.2, and Zookeeper 3.4.11.

# Resolved Issues

The following issues were resolved in Cloudera JDBC Driver for Apache Hive 2.6.1.

- [00115543] A string literal after a back-tick ( ` ) is treated as a comment.
- [00115424] When the driver attempts to connect to the server using Beeline, an error occurs on the server and an exception is logged by the driver.

  This issue has been resolved. Now, when connecting to the server using Beeline, connection properties such as "driver" and "url" are no longer treated as configuration properties for the server, and the driver does not send SET queries to the server with these properties.

- [00114906] The driver removes query comments and hints when the `UseNativeQuery` property is set to `1`.

# 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.