

# Release Notes

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## Cloudera JDBC Driver for Impala 2.6.15

**Released 2019-07-24**

These release notes provide details of enhancements, features, workflow changes, and known issues in Cloudera JDBC Driver for Impala 2.6.15, as well as the version history.

### Enhancements & New Features

#### [IMPJ-489] Default port

If a port is not specified in the connection URL, the driver now uses a default port depending on the specified transport mode:

- If the transport mode is specified as HTTP, the driver uses port 28000 as the default.
- If the transport mode is specified as SASL or binary, or is not specified, the driver uses port 21050 as the default.

#### [IMPJ-487] HTTP header host name

When the driver uses an HTTP header, the header now uses the host name instead of the resolved IP address.

### Resolved Issues

The following issue has been resolved in Cloudera JDBC Driver for Impala 2.6.15.

- [IMPJ-488] If `AuthMech` is set to 0 and `UID` and `PWD` are specified in the connection URL, the username and password are not sent.

This has been resolved. Now, if `UID` or `PWD` are specified in the connection URL, the driver always sends them to the server.

### Workflow Changes

The following are workflow changes to driver functionality. These changes may cause some workflows from earlier versions of the driver to fail.

## Version 2.6.15

### New default port

Beginning with this release, if the port is not specified in the connection URL, the driver uses a default port depending on the specified transport mode:

- If the transport mode is specified as HTTP, the driver uses port 28000 as the default.
- If the transport mode is specified as SASL or binary, or is not specified, the driver uses port 21050 as the default.

Previously, the driver always used port 21050 as the default port.

## Version 2.6.1

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

Beginning with this release, the driver no longer supports JDBC 3 (Java 5). Only JDBC 4 (Java 6) and JDBC 4.1 (Java 7) are supported.

# Version History

## Version 2.6.14

Released 2019-06-25

## Enhancements & New Features

### [IMPJ-465] Updated Impala and CDH support

The driver now supports Impala versions 1.0.1 through 3.2, and CDH versions 5.0 through 5.16 and 6.0 through 6.2.

### [IMPJ-471] Support for JDBC 4.2

The driver now supports JDBC 4.2.

### [00141942][IMPJ-463][IMPJ-479] Support for HTTP transport

The driver now supports the use of the HTTP transport protocol. To use this transport protocol, set the new `TransportMode` configuration option to `http`,

and then set the new `httpPath` configuration option to the partial URL corresponding to the Impala server. For more information, see the *Installation and Configuration Guide*.

**Note:** The `TransportMode` option replaces and supersedes the deprecated `UseSasl` option.

### [IMPJ-472] 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.impala.jdbc.Driver`
- `com.cloudera.impala.jdbc.DataSource`

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

### [IMPJ-477] Updated Jackson library

The driver has been updated to use Jackson 2.9.9.

## Version 2.6.13

Released 2019-05-24

### Resolved Issues

The following issue has been resolved in Cloudera JDBC Driver for Impala 2.6.13.

- [00142091][IMPJ-461] The driver casts empty strings to `CHAR(0)`, causing issues on the server.

This issue is resolved. The driver now casts empty strings to `CHAR(1)`.

## Version 2.6.12

Released 2019-05-17

### Resolved Issues

The following issue has been resolved in Cloudera JDBC Driver for Impala 2.6.12.

- [00141482][IMPJ-468] The driver executes UPSERT queries incorrectly, causing errors to be shown.

## Version 2.6.11

Released 2019-04-30

### Enhancements & New Features

#### [00140475][IMPJ-453] Private IP address for Altus Service Discovery

The driver can now be configured to always use a private IP address with Altus Service Discovery. To do this, set the `AltusUsePrivateIP` configuration property to `true`. For more information, see the *Installation and Configuration Guide*.

#### [00141482][IMPJ-458] Improved performance of prepared statements with large numbers of parameters.

Preparing statements no longer takes exponentially more time for each parameter. Additionally, `DatabaseMetaData.supportsBatchUpdates()` now returns `true`.

#### [00138441][IMPJ-443] Always pass UID parameter to server

If the UID parameter is specified in the connection URL, the driver now passes it to the server even when No Authentication is specified (`AuthMech=0`).

#### [00140157][IMPJ-450] Thrift Support Update

The driver now uses version 0.12.0 of the Thrift library.

### Resolved Issues

The following issues were resolved in Cloudera JDBC Driver for Impala 2.6.11.

- [00141235][IMPJ-454] The driver incorrectly treats `SSLTrustStore` and `SSLTrustStorePWD` as server-side properties.
- [IMPJ-444] 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 2.6.9

Released 2019-02-08

### Enhancements & New Features

#### [IMPJ-448] Updated Impala and CDH support

The driver now supports Impala versions 1.0.1 through 3.1, and CDH versions 5.0 through 5.16 and 6.0 through 6.1.

### Resolved Issues

The following issue has been resolved in Cloudera JDBC Driver for Impala 2.6.9.

- [00137281][IMPJ-437] After a query fails on the server side, subsequent queries on the driver side also fail.

## Version 2.6.8

Released 2019-01-25

### Enhancements & New Features

#### [IMPJ-422] Support for Impala 3.0 and CDH 6.0

The driver now supports Impala versions 1.0.1 through 3.0, and CDH versions 5.0 through 6.0.

#### [00134274][IMPJ-419] UPSERT queries supported for Apache Kudu tables

You can now execute UPSERT queries when using prepared statements to query Kudu tables through Impala.

#### [IMPJ-415][IMPJ-420] Updated third-party libraries

The driver has been updated to use the following libraries:

- Hive Service RPC 3.1.1
- Apache ZooKeeper 3.4.13

**[IMPJ-433] Updated Altus SDK for Java**

The driver now uses a newer version of the Altus SDK for Java, which provides protection against security vulnerabilities that have been found in the Jackson libraries.

**[IMPJ-427] Improved error messaging for Altus Service Discovery**

The driver now provides more detailed messages for errors related to the Altus Service Discovery feature.

## Resolved Issues

The following issue was resolved in Cloudera JDBC Driver for Impala 2.6.8

- [00133349][IMPJ-402] When executing a statement that only contains a comment, the driver returns an error.

## Version 2.6.6

Released 2018-11-08

## Enhancements & New Features

**[IMPJ-361] Improved scalar function support**

The driver now defaults to the native implementations of scalar functions where they are supported by the Impala server.

**[IMPJ-403][IMPJ-413][IMPJ-416] Updated third-party libraries**

The driver has been updated to use:

- Thrift 0.11.0
- Log4j 1.2.17
- slf4j-api and slf4j-log4j12 1.7.25

**[IMPJ-410] Dynamic service discovery through Cloudera Altus**

The driver can now discover and connect to Impala services through Cloudera Altus. For detailed information about configuring this type of connection, see the *Installation and Configuration Guide*.

## Version 2.6.4

Released 2018-06-29

### Enhancements & New Features

#### [IMPJ-397] Support for Impala 2.12 and CDH 5.15

The driver now supports Impala versions 1.0.1 through 2.12, and CDH versions 5.0 through 5.15.

### Resolved Issues

The following issue was resolved in Cloudera JDBC Driver for Impala 2.6.4.

- [00116966][IMPJ-386] Documentation for the SocketTimeout configuration option is incorrect.

## Version 2.6.3

Released 2018-05-09

### Enhancements & New Features

#### [IMPJ-380] Updated Apache ZooKeeper library

The driver has been upgraded to use Apache ZooKeeper 3.4.11.

#### [IMPJ-381] Third-party license file

The driver package now includes the file third-party-licenses.txt. This text file contains the licenses for all third-party software used in the driver. The third-party license information is also available in the Installation and Configuration Guide.

### Resolved Issues

The following issues was resolved in Cloudera JDBC Driver for Impala 2.6.3.

- [00115517][IMPJ-353] When attempting to close a statement that is already closed, the driver logs an error.

## Version 2.6.2

Released 2018-04-06

### Enhancements & New Features

#### Updated Apache ZooKeeper library

The driver has been upgraded to use Apache ZooKeeper 3.4.7.

## 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.