==
Cloudera JDBC Data Connector for Apache Impala Release Notes
==

The release notes provide details of enhancements, features, workflow changes, and known issues in Cloudera JDBC Connector for Apache Impala 2.6.39 as well as the version history.

This version of the connector supports the following data source versions and Java platforms:

 * The Cloudera JDBC Data Connector for Apache Impala is expected to be compatible with all supported CDP and CDW versions.

 * Java 8, 9, 11, 17, 21

2.6.39 ==

Released 2026-01-30

Enhancements & New Features

 * [05394398][IMPJ-844] Added support for Java 21

   The connector now supports Java 21.

 * [IMPJ-863] Updated third-party library

   The connector has been upgraded with the following third-party libraries:
   - commons-codec 1.20.0 (previously 1.18.0)
   - log4j-api 2.25.3 (previously 2.24.3)
   - log4j-core 2.25.3 (previously 2.24.3)
   - log4j-slf4j-impl 2.25.3 (previously 2.24.3)

   The commons-lang library has been removed.

Resolved Issues
The following issue has been resolved in Cloudera JDBC Connector for Apache Impala 2.6.39.

 * [05466790][IMPJ-836][IMPJ-862] When using Kerberos with IBM Java 17, an exception occurs during connection.

 * [05424396][IMPJ-845] When using a semicolon (;) in a password, the connector truncates the password because semicolons are reserved characters in a connection URL. Use URL encoding (%3B) to represent

semicolons when setting any property value.

Workflow Changes ==

The following changes may disrupt established workflows for the connector.

2.6.39 --

 * [IMPJ-845] Fixed an issue where the driver does not handle URL encoding in
   the connection string correctly.

   When using semicolons (;), percent signs (%), or any other URL reserved
   characters in the connection string for any property value,
   URL encoding/Percent-encoding must be used to represent them.

2.6.35 --

 * [IMPJ-794] Updated JAAS configuration information

   By default, the JAAS configuration is turned off when Kerberos
   authentication is used. To turn it on, set the JDBC_ENABLE_JAAS environment
   variable to 1. For more information, see the Installation and Configuration
   Guide.

2.6.28 --

 * [00387819][00387820][IMPJ-707][IMPJ-708] Updated logging levels

   Some log entries logged at the WARNING level are now logged as DEBUG. To
   see these log entries, increase the log level from WARNING to DEBUG.

2.6.27 --

 * [IMPJ-685] Removed slf4j-log4j12 dependency

   Beginning with this release, the connector no longer includes the
   slf4j-log4j12 library in the JAR file.

2.6.24 --

 * [IMPJ-661] Removed third-party libraries

   Beginning with this release, the connector no longer includes the ZooKeeper
   and Jute libraries in the JAR file.

2.6.23 --

 * [IMPJ-536] Removed support for JDBC 4.0 (Java 6)

   Beginning with this release, the driver no longer supports JDBC 4.0 (Java 6
). For a list of supported JDBC versions, see the Installation and
   Configuration Guide.

2.6.20 --

 * [IMPJ-612] Removed support for earlier versions of CDH

   Beginning with this release, the driver no longer supports JDBC 4.0
   (Java 6). For a list of supported JDBC versions, see the Installation and
   Configuration Guide.

2.6.19 --

 * [IMPJ-597] Removed support for Cloudera Altus

   Beginning with this release, the driver no longer supports Cloudera Altus.

2.6.17 --

 * [IMPJ-553] Removed support for earlier versions of Impala and CDH

   Beginning with this release, the driver no longer supports Impala 2.7 and
   CDH 5.0 to 5.10. For a list of supported versions, see the Installation
   and Configuration Guide.

2.6.16 --

 * [IMPJ-501] Removed support for Impala 1.0.1 to 2.6

   Beginning with this release, the driver no longer supports Impala 1.0.1 to
   2.6. For a list of supported Impala versions, see the Installation and
   Configuration Guide.

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 set to HTTP, the driver uses port 28000 as the default.
- If the transport mode is set to 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.

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 ===

2.6.38 ---

Released 2025-07-23

Enhancements & New Features

 * [05047721][IMPJ-814] Token Pass-through support

  The connector now supports Token Pass-through OAuth 2.0 authentication. To do this, set the Auth_Flow property to 0. For more information, see the Installation and Configuration Guide.

 * [05047721][IMPJ-814] Client Credentials support

  The connector now supports Client Credentials OAuth 2.0 authentication. To do this, set the Auth_Flow property to 1. For more information, see the Installation and Configuration Guide.

 * [05047721][IMPJ-814] Authorization Code support

  The connector now supports Authorization Code OAuth 2.0 authentication. To do this, set the Auth_Flow property to 2. For more information, see the Installation and Configuration Guide.

 * [IMPJ-827] Updated third-party library

The connector has been upgraded with the following third-party libraries:
- commons-codec 1.18.0 (previously 1.17.1)
- commons-logging 1.3.5 (previously 1.3.4)
- jackson-annotations 2.19.0 (previously 2.16.1)
- jackson-core 2.19.0 (previously 2.16.1)
- jackson-databind 2.19.0 (previously 2.16.1)
- log4j-api 2.24.3 (previously 2.24.1)
- log4j-core 2.24.3 (previously 2.24.1)
- log4j-slf4j-impl 2.24.3 (previously 2.24.1)
- slf4j 2.0.17 (previously 2.0.16)

Resolved Issues
The following issue has been resolved in Cloudera JDBC Connector for Apache Impala 2.6.38.

* [IMPJ-817] In some cases, when running queries with the multi-socket fetch feature enabled on active-active clusters, an invalid query handler error occurs.

2.6.37 --

Released 2025-01-10

Enhancements & New Features

* [IMPJ-809][04929530] AutoReconnect support

The connector can now automatically reconnect and start a new session after an invalid session error. To do this, set the AutoReconnect property to 1.
For more information, see the Installation and Configuration Guide.

* [IMPJ-813] Updated third-party library

The connector has been upgraded with the following third-party libraries:
- commons-codec 1.17.1 (previously 1.15)
- commons-logging 1.3.4 (previously 1.2)
- jackson-annotations 2.16.1 (previously 2.15.2)
- jackson-core 2.16.1 (previously 2.15.2)
- jackson-databind 2.16.1 (previously 2.15.2)
- log4j-api 2.24.1 (previously 2.20.0)
- log4j-core 2.24.1 (previously 2.20.0)
- log4j-slf4j-impl 2.24.1 (previously 2.20.0)
- slf4j 2.0.16 (previously 1.7.36)

Resolved Issues
The following issue has been resolved in Cloudera JDBC Connector for Apache
Impala 2.6.37.

 * [IMPJ-812][04968401] When a connection to the server fails, the connector
   does not clean up unused threads.

2.6.36 ---

Released 2024-09-27

Enhancements & New Features

 * [IMPJ-808] Updated Jackson library

   Upgraded Jackson libraries (annotations, core, databind) to
   version 2.16.1 from 2.15.2.

Resolved Issues
The following issues have been resolved in Cloudera JDBC Connector for Apache
Impala 2.6.36.

 * [IMPJ-801] The driver was unable to connect with Kerberos.

 * [IMPJ-807] The older version (1.11) of commons-codec appeared in the driver
   jar metadata instead of the actual version (1.15).

2.6.35 ---

Released 2024-08-21

Enhancements & New Features

 * [IMPJ-794] Security improvement

   Resolved the issue where JNDI injection was causing RCE vulnerabilities in
   the JAAS framework, through the JDBC URL.

Resolved Issues
The following issue has been resolved in Cloudera JDBC Connector for Apache
Impala 2.6.35.

 * [IMPJ-790][04744727] While using SQL Clause EXCEPT and scalar function
   CURRENT_DATE() for parser, the connector returns an error.

2.6.34 --

Released 2024-04-30

Enhancements & New Features

 * [IMPJ-760][04488980] Updated SSLTrustStoreType property

   For the SSLTrustStoreType property, you can now specify the TrustStore
   type. For more information, see the Installation and Configuration Guide.

Resolved Issues
The following issue has been resolved in Cloudera JDBC Connector for Apache
Impala 2.6.34.

 * [IMPJ-778][04659003] When a query jobs receives memory limits exceeded
   error, the connector does not terminate the query.

2.6.33 --

Released 2023-12-08

Enhancements & New Features

 * [IMPJ-747] Improved fetch performance

   The connector can now move data conversion to the fetch thread. This boosts
   performance when the connector retrieves the result set from the server
   faster than the JDBC application can consume the result set. To do this,
   set the DataConversionInFetchThread to 1. For more information, see the
   Installation and Configuration Guide.

   Performance improvements have also been made when retrieving timestamp
   values and null values.

 * [IMPJ-750] Multi-socket fetch support

   You can now retrieve multiple row set from the server concurrently using
   multiple client connections. To do this, set the EnableMultiSocketFetch
   to 1. For more information, see the Installation and Configuration Guide.

 * [03327352][IMPJ-743] Updated connector jar

   The connector now supports a lean connector jar that excludes log4j.

Resolved Issues
The following issues have been resolved in Cloudera JDBC Connector for Apache
Impala 2.6.33.

 * [IMPJ-746] When passing LoginTimeout in the connection string, the
   connector submits the option as a query option in Impala.

 * [03466395][IMPJ-743][IMPJ-748] When connecting from Beeline, the connector
   returns errors and warnings.

2.6.32 --

Released 2023-06-30

Enhancements & New Features

 * [IMPJ-740] Updated Jackson library

   The connector now uses the following Jackson versions:
   - jackson-annotations 2.15.2 (previously 2.13.4)
   - jackson-core 2.15.2 (previously 2.13.4)
   - jackson-databind 2.15.2 (previously 2.13.4.2)

Resolved Issues
The following issue has been resolved in Cloudera JDBC Connector for Apache
Impala 2.6.32.

 * [02642284][IMPJ-719] On CHAR and VARCHAR types, the CAST statement fails.

2.6.31 --

Released 2023-04-26

Enhancements & New Features

 * [00400768][IMPJ-721] Native GSS-API support

   The connector now supports the native GSS-API feature in the JDK without
   the need to set the AllowTgtSessionKey property in the Windows registry.
   For more information, see the Installation and Configuration Guide.

 * [00420456][IMPJ-733] Support for JWT authentication

You can now authenticate your connections to clusters with JWT authentication. To do this, select JWT Authentication from the Mechanism drop-down list (set the AuthMech property to 14). For more information, see the Installation and Configuration Guide.

 * [IMPJ-736] Updated third-party library

The connector has been upgraded with the following third-party libraries:
- Apache HttpClient 4.5.14 (previously 4.5.13)
- Apache HttpCore 4.4.16 (previously 4.4.14)
- log4j-api 2.20.0 (previously 2.17.1)
- log4j-core 2.20.0 (previously 2.17.1)
- log4j-slf4j-impl 2.20.0 (previously 2.17.1)
- slf4j 1.7.36 (previously 1.7.30)
- thrift 0.17.0 (previously 0.13.0)

==
Contact Us
==

If you are having difficulties using the driver, our Community Forum (http://community.cloudera.com) 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 (http://www.cloudera.com/content/cloudera/en/support/home.html) 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.