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Cloudera JDBC Data Connector for Apache Impala Release Notes

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The release notes provide details of enhancements, features, workflow changes, and known issues in Cloudera JDBC Connector for Apache Impala 2.6.42 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, 25

2.6.42 =====

Released 2026-08-05

Enhancements & New Features

- * [IMPJ-907]

The connector has been upgraded with the following third-party libraries:

- log4j-api 2.25.5 (previously 2.25.4)
- log4j-core 2.25.5 (previously 2.25.4)
- log4j-slf4j-impl 2.25.5 (previously 2.25.4)
- thrift-libthrift 0.24.0 (previously 0.23.0)
- httpcore5 5.4.3 (previously 5.4.2)

Resolved Issues

The following issue has been resolved in Cloudera JDBC Connector for Apache Impala 2.6.42.

- * [IMPJ-904] Authentication with Kerberos fails when running on Java 25.

Workflow Changes =====

The following changes may disrupt established workflows for the connector.

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 =====

2.6.41 -----

Released 2026-07-10

Enhancements & New Features

* [IMPJ-899]

The connector has been upgraded with the following third-party libraries:

- commons-codec 1.22.0 (previously 1.20.0)
- commons-logging 1.4.0 (previously 1.3.5)
- jackson-core 2.21.5 (previously 2.21.2)
- jackson-databind 2.21.5 (previously 2.21.2)
- slf4j-api 2.0.18 (previously 2.0.17)

Removed unused httpcore5-h2 dependency previously added due to thrift upgrade.

2.6.40 -----

Released 2026-06-05

Enhancements & New Features

* [IMPJ-872]

The connector has been upgraded with the following third-party libraries:

- log4j-api 2.25.4 (previously 2.25.3)
- log4j-core 2.25.4 (previously 2.25.3)
- log4j-slf4j-impl 2.25.4 (previously 2.25.3)
- jackson-core 2.21.2 (previously 2.19.0)
- jackson-databind 2.21.2 (previously 2.19.0)
- jackson-annotations 2.21 (previously 2.19)
- thrift-libthrift 0.23.0 (previously 0.17.0)

New dependencies added due to thrift upgrade:

- httpclient5 5.6.1
- httpcore5 5.4.2
- httpcore5-h2 5.4

* [IMPJ-873] Added support for Java 25

The connector now supports Java 25.

Resolved Issues

The following issue has been resolved in Cloudera JDBC Connector for Apache Impala 2.6.40.

- * [IMPJ-867] Added a configuration for additional format options when using Hive42Statement.getQueryProfile().getQueryIds().

2.6.39 -----
Released 2026-01-30

Enhancements & New Features

- * [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.

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

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.