Release Notes

Cloudera JDBC Connector for Apache Impala 2.6.35

Released 2024-08-21

These release notes provide details of enhancements, features, workflow changes, and known issues in Cloudera JDBC Connector for Apache Impala 2.6.35, as well as the version history.

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.

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

Workflow Changes

The following changes may disrupt established workflows for the connector.

Version 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*

Version 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.

Version 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.

Version 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.

Version 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*.

Version 2.6.20

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

Beginning with this release, the driver no longer supports CDH versions 5.11 through 5.16. For a list of supported CDH versions, see the *Installation and Configuration Guide*.

Version 2.6.19

[IMPJ-597] Removed support for Cloudera Altus

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

Version 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*.

Version 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*.

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 2.6.34

Released 2024-04-30

Enhancements & New Features

[04488980] [IMPJ-760] Updated SSLTrustStoreType

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.

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

Version 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.

Version 2.6.32

Released 2023-06-30

Enhancements & New Features

[IMPJ-740] Updated Jackson library

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

- 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.

Version 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 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.