

Release Notes

Cloudera ODBC Data Connector for Apache Impala 2.8.3

Released 2024-08-02

These release notes provide details of enhancements, features, known issues, and workflow changes in Cloudera ODBC Connector for Impala 2.8.3, as well as the version history.

Enhancements & New Features

[IMP-1035] DPAPI encryption support for Windows

On Windows, you can now encrypt secrets using the Windows Data Protection API (DPAPI), and all previously encrypted secrets will continue to work as expected. For more information, see the *Installation and Configuration Guide*.

Resolved Issues

The following issue has been resolved in Cloudera ODBC Connector for Impala 2.8.3.

- [IMP-1035] On Windows, the Password Options button of the proxy password in the DSN setup dialog is inactive.

Known Issues

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

[IMP-1002][04539096] UnixODBC truncation error

The UnixODBC driver manager truncates a long JWT string from the DSN. For a workaround, see the *Installation and Configuration Guide*.

[IMP-843][00294390] Limited support for query translation

The connector does not support query translation if the query contains the "LIMIT x OFFSET y" syntax.

Limited support for BINARY, DATE, and TIME data types

- BINARY is not a supported data type in Impala.

- DATE is supported only when you connect to Impala version 3.3 or later.
- As a result of the limitations above, some values of TIME data types are also not supported.

Workflow Changes

The following changes may disrupt established workflows for the connector.

Version 2.8.1

[IMP-1009] Removed support for earlier versions of Windows

Beginning with this release, the connector no longer supports the following versions of Windows:

- Windows 8.1
- Windows Server 2012

For a list of supported Windows versions, see the *Installation and Configuration Guide*.

[IMP-1009] Removed Visual Studio 2015 support

Beginning with this release, the connector no longer supports Visual Studio 2015. For information about the supported Visual C++ Redistributable for Visual Studio versions, see the *Installation and Configuration Guide*.

Version 2.7.0

[IMP-949] Updated SAML SSO cookie cache option

When using SAML SSO cookie cache with SAML SSO authentication, the username and password are now optional for the Windows platform.

[IMP-958] Removed support for macOS universal bitness

Beginning with this release, the connector no longer supports universal bitness for macOS. Support for macOS versions 10.14 and 10.15 have been removed. For a list of supported macOS versions, see the *Installation and Configuration Guide*.

Version 2.6.18

[IMP-932][00405950] Updated HTTPAuthCookies default value

The default value for HTTPAuthCookies is now `impala.auth,JSESSIONID,KNOXSESSIONID,impala.session.id`. Previously, the default value was `impala.auth,JSESSIONID,KNOXSESSIONID`. For more information, see the *Installation and Configuration Guide*.

Version 2.6.14

[IMP-717][IMP-719] Removed support for Visual Studio 2013

Beginning with this release, the connector no longer supports Visual Studio 2013. For a list of supported Visual Studio versions, see the *Installation and Configuration Guide*.

[IMP-853][IMP-860][IMP-879][00305355][00352154] Updated HTTPAuthCookies default value

The default value for HTTPAuthCookies is now `impala.auth,JSESSIONID,KNOXSESSIONID`. Previously, there was no default value. For more information, see the *Installation and Configuration Guide*.

Version 2.6.12

[IMP-829] 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*.

[IMP-823] Removed support for earlier versions of AIX

Beginning with this release, the driver no longer supports AIX versions 5.2 through 6.1. For a list of supported AIX versions, see the *Installation and Configuration Guide*.

[IMP-713][IMP-715] Removed support for earlier versions of Windows

Beginning with this release, the driver no longer supports the following versions of Windows:

- Windows 7

- Windows Server 2008
- Windows Server 2008r2

For a list of supported Windows versions, see the *Installation and Configuration Guide*.

[IMP-728][IMP-730] Removed support earlier versions of macOS

Beginning with this release, the driver no longer supports the following versions of macOS:

- macOS 10.12 "Sierra"
- macOS 10.11 "El Capitan"
- macOS 10.10 "Yosemite"
- macOS 10.9 "Mavericks"

For a list of supported macOS versions, see the *Installation and Configuration Guide*.

[IMP-732][IMP-744][IMP-816][IMP-818] [IMP-833] Removed support for earlier versions of Linux distributions

Beginning with this release, the driver no longer supports the following versions of Linux distributions:

- CentOS 6
- RHEL 6
- Ubuntu 14.04
- SLES 11
- Debian 6 and 7

For a list of supported Linux versions, see the *Installation and Configuration Guide*.

Version 2.6.10

[IMP-778] Removed support for earlier versions of Impala and CDH

Beginning with this release, the driver no longer supports Impala 2.7 and CDH 5.9 to 5.10. For a list of supported versions, see the *Installation and Configuration Guide*.

[IMP-713][IMP-717] Deprecated support for earlier versions of Windows

Beginning with this release, support for the following versions of Windows has been deprecated:

- Windows 7
- Windows Server 2008
- Windows Server 2008r2

In addition, beginning with this release, support for Visual Studio 2013 has been deprecated.

Support will be removed in a future release. For a list of supported Windows and Visual Studio versions, see the *Installation and Configuration Guide*.

[IMP-728] Deprecated support for earlier versions of macOS

Beginning with this release, support for the following versions of macOS has been deprecated:

- macOS 10.12 "Sierra"
- macOS 10.11 "El Capitan"
- macOS 10.10 "Yosemite"
- macOS 10.9 "Mavericks"

Support will be removed in a future release. For a list of supported macOS versions, see the *Installation and Configuration Guide*.

[IMP-732] Deprecated support for CentOS 6 and RHEL 6

Beginning with this release, support for CentOS 6 or Red Hat Enterprise Linux (RHEL) 6 has been deprecated.

Support will be removed in a future release. For a list of supported Linux versions, see the *Installation and Configuration Guide*.

Version 2.6.8

[IMP-680] Removed support for earlier versions of Impala and CDH

Beginning with this release, the driver no longer supports Impala 1.0.1 to 2.6 and CDH 5.0 to 5.8. For a list of supported versions, see the *Installation and Configuration Guide*.

Version 2.6.0

Minimum TLS Version

Beginning with this release, the driver requires a minimum version of TLS for encrypting the data store connection. By default, the driver requires TLS version 1.2. This requirement may cause existing DSNs and connection strings to stop working, if they are used to connect to data stores that use a TLS version earlier than 1.2.

To resolve this, in your DSN or connection string, set the Minimum TLS option (the `Min_TLS` property) to the appropriate version of TLS for your server. For more information, see the *Installation and Configuration Guide*.

Version History

Version 2.8.1

Released 2024-04-30

Enhancements & New Features

[IMP-977] Fetch performance enhancement

The multi-socket fetch feature has improved fetch performance. The data conversion workload is now pushed down to fetch threads.

[IMP-1008] Security updates

The connector has been updated with security improvements.

[IMP-1009] Upgraded Visual Studio support

The connector now uses Windows Visual Studio 2022. For supported versions, see the *Installation and Configuration Guide*.

[IMP-1009] Updated security flags

The following security flags have been used to improve security checks in the connector:

- /CETCOMPAT
- /guard:cf
- /Qspectre
- /SDL

[IMP-1009] [IMP-1015] Updated third-party libraries

The connector now uses the following third-party libraries:

- Expat 2.6.2 (previously 2.6.0)
- libcurl 8.7.2 (previously 8.4.0)
- ZLib 1.3.1 (previously 1.2.13)

Resolved Issues

The following issue has been resolved in Cloudera ODBC Connector for Impala 2.8.1.

- [IMP-1005] [04576562] When authenticating using SAML with auth cookie caching, the connector returns an error message 'Token expired: 401' if the Impala CDW cluster is recreated or experiences a failover on the Impala coordinator.

Version 2.7.2

Released 2024-03-01

Enhancements & New Features

[IMP-1002][04539096] Configuring the DSN file

The connector can now read configuration names from the DSN file. To do this, set the `ConfigsFromFileDSN` property to a comma-separated list of configuration names. For more information, see the *Installation and Configuration Guide*.

[IMP-1003] Updated OpenSSL support

The connector now uses OpenSSL 3.0.13. Previously, the connector used version 3.0.9.

Resolved Issues

The following issues have been resolved in Cloudera ODBC Connector for Impala 2.7.2.

- [IMP-981][04485926] When authenticating with Advanced Kerberos and a keytab file is used, a memory leak occurs.
- [IMP-1001][04538991] When authenticating with JWT to connect to an Impala virtual warehouse cluster with active-active coordinators, the connector returns a 401 error for the first operation after a successful connection.

Version 2.7.1

Released 2024-01-15

Enhancements & New Features

[IMP-965] Multi-socket fetch support

You can now retrieve multiple row set from the server concurrently using multiple client connections. To do this, set `EnableMultiSocketFetch` to 0. For more information, see the *Installation and Configuration Guide*.

[IMP-963] Improved fetch performance

The connector now has enhanced fetch performance.

[IMP-976] Updated libcurl support

The connector now uses libcurl 8.4.0. Previously, the connector used version 8.1.2.

Resolved Issues

The following issue has been resolved in Cloudera ODBC Connector for Impala 2.7.1.

- [IMP-974][03718180] When authenticating with SAML and an Impala CDW cluster is configured to Active-Active HA mode, the connector returns an error.

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.