

Release Notes

Cloudera ODBC Driver for Apache Hive 2.6.4

Released 2019-03-15

These release notes provide details of enhancements, features, and known issues in Cloudera ODBC Driver for Apache Hive 2.6.4, as well as the version history.

Enhancements & New Features

[00135108][HAR-921] Cookie-based authentication

The driver now supports cookie-based authentication as part of the authentication process. To do this, set the `HTTPAuthCookies` configuration option to a list of authentication cookies. For more information, see the Installation and Configuration Guide.

[HAR-965] Updated RapidJSON parser

The driver has been updated to use version 1.1.0 of the RapidJSON parser.

[HAR-923] Updated ICU version

The driver now uses ICU version 58.2. Previously, the driver used ICU version 53.1.

[HAR-937] Dynamically linked libraries for Linux

To reduce the footprint of the Linux driver, the OpenSSL and ICU libraries are now dynamically linked.

[HAR-930] Updated OpenSSL version

The driver now uses OpenSSL version 1.1.0i. Previously, the driver used OpenSSL version 1.1.0h.

Resolved Issues

The following issues have been resolved in Cloudera ODBC Driver for Apache Hive 2.6.4.

- [00138945][HAR-959] When `SQLTables` is called, the driver does not correctly display views.

- [HAR-926] The driver fails to parse queries that contain the keyword "LIMIT".
- [00136282][HAR-936] The driver fails to parse queries that contain a non-reserved keyword as the column name.
- [00133310][HAR-886] The driver fails to parse queries that contain a CAST function.
- [00137092][HAR-935] The driver fails to parse queries that contain an EXTRACT or FLOOR function.
- [00132674][HAR-882] EnableUniqueColumnName can produce unexpected results for certain locale settings.
- [00134046][HAR-902] The driver unexpectedly returns an error that is not handled by some BI tools.

This issue has been resolved. The driver now returns empty result sets for these queries.

- [HAR-900] The message returned by the driver when an invalid Port value is specified in a DSN or connection string is insufficiently detailed.
- [HAR-899] The driver does not support the TIMESTAMPADD and TIMESTAMPDIFF functions.

This issue has been resolved. You can now call the TIMESTAMPADD and TIMESTAMPDIFF functions when working with data of type TIMESTAMP. For more information, see the Installation and Configuration Guide.

- [HAR-908] Kerberos authentication fails when using Keyring on Linux.
- [HAR-912] In some situations, HTTP requests fail with a "Couldn't refill buffer" error message.

This issue has been resolved. The error message is caused by the driver attempting to make HTTP requests on connections that have been closed by the server. Now, when the driver makes a request, it checks if the "Connection" HTTP header field is set to "close". If so, the driver closes and reopens the connection.

Workflow Changes

The following changes may disrupt workflows from earlier versions.

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 2.6.1

Released 2018-08-03

Enhancements & New Features

[HAR-898] CDH 5.15 now supported

The driver now supports CDH versions 5.0 through 5.15.

[HAR-883] Hive 3.1 now supported

The driver now supports Apache Hive versions 0.11 through 3.1.

Resolved Issues

The following issue has been resolved in Cloudera ODBC Driver for Apache Hive 2.6.1.

- [00119275][HAR-833] CAST AS VARCHAR(n) returns incorrect metadata.

Version 2.6.0

Released 2018-07-13

Enhancements & New Features

[HAR-732] Minimum TLS support

You can now specify the minimum version of TLS the driver accepts when authenticating the connection to the data source.

[HAR-822] Updated OpenSSL version

The driver now uses OpenSSL version 1.1.0h. Previously, the driver used OpenSSL version 1.0.2n.

[HAR-807] More informative SSL error messages

The driver now provides more detailed error messages for TLS/SSL errors.

[HAR-820] Catalog configuration improvements

Internal improvements were made to the way the driver configures the catalog, schema, table, and column name lengths.

[00092073][HAR-657] Configuration instructions for Delegation UID

The driver documentation now provides additional configuration instructions for enabling the Delegation UID function on a clustered server or when using Kerberos authentication.

Resolved Issues

The following issue has been resolved in Cloudera ODBC Driver for Apache Hive 2.6.0.

- [HAR-853] HiveServerType value is incorrect in some documentation examples.

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.