

Simba Apache Cassandra ODBC Driver with SQL Connector Release Notes

The release notes provide details of enhancements, features, and known issues in Simba Apache Cassandra ODBC Driver with SQL Connector 2.4.1, as well as the version history.

2.4.1

Released 2016-08-17

Enhancements & New Features

- Blacklist and Whitelist support

You can now specify a Blacklist or Whitelist of hosts or datacenters when connecting to a Cassandra cluster.

- Support for Cassandra 3.x

The driver now support Cassandra 2.0.0 through 3.x.

- New data types

The driver now supports smallint, tinyint, time, and date data types.

Resolved Issues The following issues have been resolved in Simba Apache Cassandra ODBC Driver with SQL Connector 2.4.1.

- SwapWriteError occurs when executing SQL commands using ORDER BY or SELECT DISTINCT.
- Excel terminates unexpectedly after editing SQL command to query another keyspace on the same Cassandra server.
- Running an INSERT statement with a counter column when using the SQLEngine results in an error.
- Under some circumstances string data would be too big for the driver's data buffer.
- Executing a Drop Table statement using a quoted table name would cause an error.

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

- Insert multiple rows in a single SQL statement and bind DEFAULT value in the first row will be failed.

When inserting multiple rows in a single SQL statement and binding the DEFAULT value in the first row, the INSERT statement will be failed. As a workaround, use NULL instead of DEFAULT.

- Non-key virtual table columns are not nullable.

Cassandra does not support null values in collections. The driver reports non-key columns in virtual tables as not nullable.

Version History

2.2.0

Released 2015-11-13

Resolved Issues The following issues were resolved in Simba Apache Cassandra ODBC Driver with SQL Connector 2.2.0.

- 64-bit driver fails to connect to Cassandra server
- On heavy load, driver returns "All I/O threads are busy" error

2.1.1

Released 2015-10-23

Enhancements & New Features

- Case sensitive

You can now specify whether to differentiate between capital and lower-case letters in schema, table, and column names.

2.1.0

Released 2015-10-09

Enhancements & New Features

- Support for Cassandra server 2.1

The driver supports read/write for all Cassandra data types except User Defined Types on Cassandra server 2.1. For User Defined Types, the driver can only read the type, and only as a string.

- Load balancing policies

You can now configure the cluster to use either a Round Robin or a DC Aware load balancing policy.

- Token aware

A token-aware option to improve load balancing and latency is now available.

- Latency aware

A latency-awareness algorithm to distribute the load away from slower- performing nodes is now available.

- Enable Null Value Insertion

You can now specify how to handle null values in certain INSERT statements.

Resolved Issues The following issues were resolved in Simba Apache Cassandra ODBC Driver with SQL Connector 2.1.0.

- Failed to passdown multiple count(*)/count(1)/sum(1) aggregation in a single SQL statement
- Failed to get next page when using filters in an UPDATE statement
- Truncate a virtual table

2.0.18

Released 2015-04-03

Resolved Issues The following issues were resolved in Simba Apache Cassandra ODBC Driver with SQL Connector 2.0.18.

- When logging is enabled, the driver stops working

2.0.17

Released 2015-03-30

Enhancements & New Features

- Client-server SSL verification implemented

You can now configure one-way and two-way verification between the client and the Cassandra server over SSL.

2.0.16

Released 2015-02-19

Enhancements & New Features

- Cassandra client API 1.0 GA now being used

The driver now uses the 1.0 GA version of the Cassandra client API.

Contact Us

If you have difficulty using the driver, please contact our Technical Support staff. We welcome your questions, comments and feature requests.

Technical Support is available Monday to Friday from 8 a.m. to 6 p.m. Pacific Time.

Important: To help us assist you, prior to contacting Technical Support please prepare a detailed summary of the client and server environment including operating system, product version, patch level and configuration.

You can contact Technical Support via: * E-mail: support@simba.com * Web site: www.simba.com * Telephone: (604) 633-0008 Extension 3 * Fax: (604) 633-0004

You can also follow us on Twitter @SimbaTech