

Release Notes

Amazon Redshift ODBC Data Connector 1.5.20

Released October 2024

These release notes provide details of enhancements, features, known issues, and workflow changes in Amazon Redshift ODBC Connector 1.5.20, as well as the version history.

Enhancements & New Features

Updated third-party libraries

The connector now uses the following third-party libraries:

- Expat 2.6.3 (previously 2.6.2)
- LibCurl 8.10.1 (previously 8.7.1)
- OpenSSL 3.0.15 (previously 3.0.13)

Group Federation Support in JwtlamAuthPlugin

The connector now supports Group Federation in JwtlamAuthPlugin. For more information, see the Installation and Configuration Guide.

Workflow Changes

The following changes may disrupt established workflows for the connector.

Version 1.5.15

Removed support for earlier versions of operating systems

Beginning with this release, the connector no longer supports the following operating systems:

- CentOS 7
- Debian 8, 9, and 10

- RHEL 7
- Ubuntu 16.04 and 18.04

For a list of supported operating systems, see the *Installation and Configuration Guide*.

Version 1.5.13

Removed support for Visual Studio 2015

Beginning with this release, support for Visual C++ Redistributable for Visual Studio 2015 has been removed. For supported versions, see the *Installation and Configuration Guide*.

Version 1.5.7

Removed support for Windows 8.1

Beginning with this release, the connector no longer supports Windows 8.1. For a list of supported Windows versions, see the *Installation and Configuration Guide*.

Version History

Version 1.5.16

Released July 2024

Enhancements & New Features

Updated Ubuntu version support

The connector now supports Ubuntu 24.04. For supported versions, see the *Installation and Configuration Guide*.

Updated third-party libraries

The connector now uses the following third-party libraries:

- Expat 2.6.2 (previously 2.6.0)
- LibCurl 8.7.1 (previously 8.6.0)

Updated AWS SDK support

On Windows, the HTTP client in AWS SDK is now libcurl. Previously, it was WinHTTP.

Resolved Issues

The following issues have been resolved in Amazon Redshift ODBC Connector 1.5.16.

- On Windows, when authenticating with AWS IAM Credentials, the connector returns an "Encountered network error when sending http request" error message.
- When the `enable_case_sensitive_identifier` server configuration is enabled, `SQLTables()` returns an error.
- When using ADFS with WIA, the connector returns a "Conversion from string to number failed with value" error message.

Known Issues

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

- Limited support for stored procedures.

The connector does not support parameterized procedure call queries if there is more than one procedure of different argument types that share the same name in the server.

- Timestamps do not accept negative values.

The connector does not support the use of negative values in timestamps.

Version 1.5.13

Released March 2024

Enhancements & New Features

Updated third-party libraries

The connector has been updated to use the following libraries:

- Expat 2.6.0 (previously 2.5.0)
- libcurl 8.6.0 (previously 8.4.0)

- OpenSSL 3.0.13 (previously 3.0.11)
- Zlib 1.3.1 (previously 1.2.11)

Updated Visual Studio support

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

Resolved Issues

The following issue has been resolved in Amazon Redshift ODBC Connector 1.5.13.

- In ODBC 2.0, when `SQLProcedureColumns` is called, the `SEQ_IN_INDEX` column is incorrectly named.

Version 1.5.9

Released November 2023

Enhancements & New Features

JWT IAM Auth authentication support

You can now authenticate your connection with a JSON Web Token IAM authentication (JWT IAM Auth). To do this, select JWT IAM Auth Plugin authentication from the Auth Type drop-down list (set the `Auth Type` to `JWT IAM Auth` authentication). For more information, see the *Installation and Configuration Guide*.

Updated third-party libraries

The connector has been updated to use the following libraries:

- AWS SDK 1.11.6 (previously 1.9.362)
- libcurl 8.4.0 (previously 8.1.2)
- OpenSSL 3.0.11 (previously 3.0.9)

First Adapter support

When using PingFederate authentication, the connector now supports First Adapter Identifier.

Internal security related improvements

The connector has been updated with security related improvements.

Resolved Issues

The following issue has been resolved in Amazon Redshift ODBC Connector 1.5.9.

- In some cases, custom SQLState overrides to SQLState S1000 for errors and 01000 for warnings.
- The connector computes the value returned for SQL_DESC_OCTET_LENGTH from the IRD (and thus also SQLColAttribute) for character types by using the maximum size of a codepoint, instead of the size of a code unit. For both wide and non-wide types, the column size was previously used directly for non-wide types as the code unit size was assumed to be 1.

Version 1.5.7

Released September 2023

Enhancements & New Features

Updated endpoint support

You can now override the Amazon Redshift endpoint when using IAM authentication. To do this, in the VPC Endpoint URL field specify the endpoint URL (set the `VpcEndpointUrl` property). For more information, see the *Installation and Configuration Guide*.

Updated third-party libraries

The connector has been updated to use the following libraries:

- AWS SDK 1.9.362 (previously 1.9.136)
- Expat 2.5.0 (previously 2.4.6)
- ICU 71.1.x (previously 58.3.x)
- libcurl 8.1.2 (previously 7.78.0)
- OpenSSL 3.0.9 (previously 1.1.1q)
- Zlib 1.2.13 (previously 1.2.11)

For OpenSSL, the certificates used for identity providers might need to be regenerated since some encryption algorithms have been deprecated in OpenSSL 3.

Updated platform support

The connector now supports the following versions:

- Debian 10 and 11
- Ubuntu 22.04
- Windows 11
- Windows Server 2022

For more information, see the *Installation and Configuration Guide*.

Resolved Issues

The following issues have been resolved in Amazon Redshift ODBC Connector 1.5.7.

- In some cases, when calling `SQLColumns`, the connector returns a "invalid input syntax for integer: "" " error message.
- When calling `SQLColumns` for datasharing external tables, the connector returns incorrect values for the `NULLABLE` and `IS_NULLABLE` columns.
- When calling `SQLColumns`, the connector returns different metadata between local and external tables.

Contact Us

For support, check the Amazon Redshift Forum at <https://forums.aws.amazon.com/forum.jspa?forumID=155> or open a support case using the AWS Support Center at <https://aws.amazon.com/support>.