Connecting R to SQream with ODBC

SQream Technologies

Version 2019.2.1

Table of Contents

Connecting R to SQream with ODBC

This article describes how to create a new connection to SQream in R via the RODBC driver.

This article assumes you have R installed on Windows. The Linux version should be similar, but requires installation of the unixODBC package.

To obtain the SQream ODBC driver, please contact SQream support.

Make sure RODBC is installed:

1. In the R console, type:

```
> library(RODBC)
```

   If this succeeds, skip to the next section.

2. If it did not succeed, install RODBC by typing:

```
> install.packages("RODBC")
```

3. Then run the `library` command again to verify that the install succeeded:

```
> library(RODBC)
```

Create a sample connection for testing

Below is a sample connection script.

Note the following:

- Make sure to substitute your DSN, as configured using the Windows ODBC Data Sources tool.

  The example connects to an existing DSN named **sqream64**.

- Note the configuration flag **believeNRows=F**. This is an important flag, and the ODBC driver will not work properly without it.

- The example queries a table as follows:

  - Table name = 't'

  - 4 int type columns (named xint, xtinyint, xsmallint, xbigint,)

```
> library("RODBC")
> ch <- odbcConnect("sqream64",believeNRows=F)
```

```
> sqlQuery(ch,"select top 5 * from t")
  xint xtinyint xsmallint xbigint
1    1       82      5067       1
2    2       14      1756       2
3    3       91     22356       3
4    4       84     17232       4
5    5       13     14315       5
> close(ch)
```

For further assistance please contact SQream support.