



Connecting R to SQream with ODBC

SQream Technologies

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Table of Contents

Table of Contents	3
Connecting R to SQream with ODBC	4
Make sure RODBC is installed:	4
Create a sample connection for testing	4

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.