SQream ODBC Connector (Linux)

SQream Technologies

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ODBC for Linux documentation

This guide describes the required prerequisistes, installation and configuration steps of the ODBC Linux driver.

> **TIP:**
>
> This guide describes the installation of the ODBC driver for Centos 7.3. For other operating systems please contact the SQream support team.

Prerequisites: Install UnixODBC

Download unixODBC-2.3.4.tar.gz from here:
ftp://ftp.unixodbc.org/pub/unixODBC/unixODBC-2.3.4.tar.gz

Install unixODBC based on the instructions: http://www.unixodbc.org/

Install the SQream ODBC Driver and Configuration

Download the SQream ODBC driver

Download the **SQream ODBC driver for Linux** from:
https://sqream.com/product/client-drivers/

Untar (extract) the **sqream_odbc.tar.gz** file into any temporary location:

```
tar -xf sqream_odbc.tar.gz
```

The extracted sqream_odbc.so file is the ODBC driver file.

Copy the SQream ODBC driver

Copy the **sqream_odbc.so** file to the directory you want the SQream ODBC driver to reside.

For example:

```
/home/sqream/ODBC/sqream_odbc.so
```

This is the path and file name you will use in next steps.

Locate the ODBC configuration files

Use odbcinst to print your ODBC configuration.

Run:

```
odbcinst -j | grep odbc
```

This shows you the location of the **odbcinst.ini** and **odbc.ini** file in your system.
odbcinst.ini = specifies the drivers
odbc.ini = specifies the data sources

For example:

```
[sqream@Host251 ~]$ odbcinst -j | grep odbc
DRIVERS.............: /etc/odbcinst.ini
SYSTEM DATA SOURCES: /etc/odbc.ini
USER DATA SOURCES..: /home/sqream/.odbc.ini
```

Add the SQream DB driver as a data provider for unixODBC

Edit the odbcinst.ini file you found in the previous step.

Verify that the odbcinst.ini file contains the following lines:

```
[sqream64]
Description=sqream64
Driver={path of sqream_odbc.so}
Setup={path of sqream_odbc.so}

[ODBC]
Trace={yes|no}
TraceFile={path and file name of the trace file}
```

For Example:

```
[sqream64]
Description=sqream64
Driver=/home/sqream/ODBC/sqream_odbc.so
Setup=/home/sqream/ODBC/sqream_odbc.so

[ODBC]
Trace=no
TraceFile=/home/sqream/ODBC/trace.tmp
```

Add a DSN for your SQream DB database

Edit the odbc.ini file and add the ODBC DSN information.
Verify that the odbc.ini file contains the following lines:

```
[{DSN name}]
Driver={path of sqream_odbc.so}
Description=sqream64
Server={IP address of the SQream server}
Port={Listener port of SQream}
Database={SQream database to connect to}
```

```
User={SQream DB user}
Password={password of the above SQream DB user}
Service={service to use when connecting}
Cluster={true  | false}
ssl={true  | false}
```

For example:

```
[sqreamOn251]
Driver=/home/sqream/ODBC/sqream_odbc.so
Description=sqream64
Server=192.168.0.251
Port=3108
Database=master
User=sqream
Password=sqream
Service=sqream
Cluster=true
ssl=false
```

Test the SQream ODBC Driver

Use the ISQL utility to test the driver

ISQL is a unixODBC command-line interactive SQL tool and can be used as a tester. No additional installation is required (UnixODBC is a pre-requisite for SQream).
https://www.systutorials.com/docs/linux/man/1-isql/

On the command line, specify the DSN name:

```
isql [DSN name]
```

For better error message:

```
isql -v [DSN name]
```

For the above example this would be:

```
isql sqreamOn251
```