

How can I setup an ODBC data source for c-treeSQL on Linux?

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The unixODBC software allows to create ODBC data sources on Linux.

This software may not be installed on your system. Use a command like this to install it:

```
sudo apt install unixodbc
```

Below we'll explain how to configure the c-tree ODBC driver and how to create and test a DSN on Linux.

Edit the file /etc/odbcinst.ini to define the driver, e.g.

```
[ctreeDriver]
Driver=/path/to/libctodbc.so
Description=ODBC for ctreeSQL
FileUsage=1
```

Note - The libctodbc.so library is installed along with c-tree in the "driver/sql.odbc" subfolder.

Now that you have a driver, edit the file /etc/odbc.ini to create a DSN bind to this driver, e.g.

```
[ctreeDSN]
Driver=ctreeDriver
Host=localhost
Database=ctreeSQL
Service=6597
Description=ctreeSQL data source
```

To allow the unixODBC install the odbcinst and odcini you must execute the following commands:

```
odbcinst -i -d -f /etc/odbcinst.ini
odbcinst -i -s -l -f /etc/odbc.ini
```

You can test if your DSN is installed by executing:

```
odbcinst -s -q
```

Expected result: [ctreeDSN] Please consider to set ODBCINI on environment variables, e.g.:

```
export ODBCINI=/etc/odbc.ini
```

Now you can check if your unixODBC is configured for c-tree by running a tool connected to a unixODBC data source.

For example, you can execute the Interactive SQL (isql) from /usr/bin as shown below:

```
isql ctreeDSN ADMIN ADMIN
```