Drill ODBC Driver

MapR provides a Drill ODBC driver that you can use on all platforms to connect BI tools, such as Tableau, to Drill.

You can download the latest ODBC driver here (http://package.mapr.com/tools/MapR-ODBC/MapR_Drill/MapRDrill_odbc_v1.3.15.1046/). The documentation for the Drill ODBC 1.3.15 driver is available at Drill ODBC Driver (../attachments/JDBC_ODBC_drivers/DrillODBCInstallandConfigurationGuide.pdf).

📝 **Note:** If you plan to use MapR-SASL for authentication on Windows, see the following section for additional information and instructions.

⌄ Using MapR-SASL for Authentication on Windows

Drill is automatically configured with MapR security (configure_server_auth.html#configure_server_auth) when you install Drill 1.11 and later on a MapR 6.0 cluster configured with default security. To successfully connect to Drill from a Windows ODBC client, a MapR user ticket must exist on the Windows client in the %TEMP% directory or in the location specified by the $MAPR_TICKETFILE_LOCATION environment variable.

The ODBC driver locates user tickets for the current Windows user in the default ticket location, %TEMP%, or in the location specified by the environment variable, $MAPR_TICKETFILE_LOCATION. See Tickets (../SecurityGuide/Tickets.html#tickets) and Generating a MapR User Ticket (../SecurityGuide/GeneratingMapRUserTicket.html#TicketsandCertificates-Ge_26281159-d3e202) for more information.

You can either copy a user ticket that was generated on the MapR cluster into the default location (%TEMP%), or you can install the MapR client on the Windows client and then run the maprlogin (../SecurityGuide/ThemaprloginUtility.html#maprloginUtility) command to generate the ticket on the Windows client.

📝 **Note:** The ODBC user must be the same as the Windows user that created the ticket.

Example

If you want to connect to Drill as the mapr user, you must create a ticket for the mapr user, as shown:

```
$ maprlogin password -user mapr
[Password for user 'mapr' at cluster 'Cluster1':]
```

The MapR credentials for the mapr user in Cluster1 are written to /tmp/maprticket_1000.

Next, place the ticket in the %TEMP% directory on the Windows client. For example, the default location for a Windows 10 user named Tabetha Stephens is shown:

```
'C:\Users\TABETH~1\AppData\Local\Temp/maprticket_Tabetha Stephens'
```

To override this location, set the "MAPR_TICKETFILE_LOCATION" global variable for the Windows user.

📝 **Note:** Using the MAPR_TICKETFILE_LOCATION is recommended because the %TEMP% directory differs between Windows versions. You may also want to set the MAPR_TICKETFILE_LOCATION per user on the operating system to prevent all users from using the same user ticket on the client.