**N.B: Wherever username and password are mentioned, please use your username and password.**

**Step 1: Install homebrew from command line**
ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"

**Step 2: Install FreeTDS and unixODBC from command line**
brew install unixodbc  --universal
brew install freetds --with-unixodbc

**Step 3: Edit freetds.conf, odbc.ini, odbcinst.ini file**
Go to file ->  /usr/local/Cellar/freetds/1.00.9/etc/freetds.conf

```
### edit the following lines:
# A typical Sybase server
[egServer50]
    host = rptdb02.aus1.homeaway.live
    port = 1433
    tds version = 7.4
# A typical Microsoft server
[db02]
    host = rptdb02.aus1.homeaway.live
    port = 1433
    tds version = 7.3
[global]
    # TDS protocal version
    tds version = 7.3
```

Go to file ->  /usr/local/etc/freetds.conf

```
### edit the following lines:
# A typical Sybase server
[egServer50]
    host = rptdb02.aus1.homeaway.live
    port = 1433
    tds version = 7.4
# A typical Microsoft server
[db02]
    host = rptdb02.aus1.homeaway.live
    port = 1433
    tds version = 7.3
[global]
    # TDS protocal version
    tds version = 7.3
```

**--test from command line**
   tsql -S db02 -U 'wvrgroup\username' -P 'password'

Go to file ->  /usr/local/Cellar/unixodbc/2.3.4/etc/odbc.ini

   ### edit the file to:
   [dw02]
   #Description = "Test to SQLServer"
   Driver = FreeTDS
   Servername = db02
   Port = 1433

Go to file ->  /usr/local/Cellar/unixodbc/2.3.4/etc/odbcinst.ini

   ### edit the file to:
   [FreeTDS]
   Description = FreeTDS
   Driver = /usr/local/Cellar/freetds/1.00.9/lib/libtdsodbc.so
   Setup = /usr/local/Cellar/freetds/1.00.9/lib/libtdsodbc.so
   FileUsage = 1

Go to directory  ->  /usr/local/Cellar/freetds/1.00.9/lib/

   #change the permission of the file using:
   Chmod 777 libtdsodbc.so

**--test from command line**
   isql dw02 'wvrgroup\username' 'password'

**For R use:**
library(readr)
library(RODBC)
db <- odbcConnect(dsn = "dw02", uid = "username", pwd = "password")
sqlQuery(db, "select * from dw.dbo.vw_brand")

**For Python use:**
From command line -> pip install pyodbc
From command line -> type python, press enter and then type the following:
from sqlalchemy import create_engine
db02 = create_engine('mssql+pyodbc://wvrgroup\\'+ username +':'+ password +'@dw02')
db02_cnxn = db02.connect()
query = db02_cnxn.execute("SELECT top(5) * FROM DW.dbo.VW_Brand;")
query.fetchall()