# Installing MariaDB Connector/ODBC on Tableau Linux Server (RHEL/CentOS)

## Overview

MariaDB Connector/ODBC allows Tableau Server to connect to MariaDB databases. On Linux, Tableau supports binary tarball installation of the MariaDB ODBC driver. This guide covers the installation of version 3.1.7 on RHEL/CentOS 7.

## Step 1: Prepare the Working Directory

Create a temporary directory to store the downloaded package and navigate into it:

mkdir odbc\_package  
cd odbc\_package

## Step 2: Download the MariaDB Connector/ODBC Binary Tarball

Use wget to download version 3.1.7 for RHEL/CentOS 7:

wget https://downloads.mariadb.com/Connectors/odbc/connector-odbc-3.1.7/mariadb-connector-odbc-3.1.7-ga-rhel7-x86\_64.tar.gz

## Step 3: Extract the Tarball

Extract the downloaded archive:

tar -xvzf mariadb-connector-odbc-3.1.7-ga-rhel7-x86\_64.tar.gz

## Step 4: Install the Driver and Required Plugins

Run the following commands to install the driver and required plugins:

sudo install lib64/libmaodbc.so /usr/lib64/  
sudo install -d /usr/lib64/mariadb/  
sudo install -d /usr/lib64/mariadb/plugin/  
sudo install lib64/mariadb/plugin/auth\_gssapi\_client.so /usr/lib64/mariadb/plugin/  
sudo install lib64/mariadb/plugin/caching\_sha2\_password.so /usr/lib64/mariadb/plugin/  
sudo install lib64/mariadb/plugin/client\_ed25519.so /usr/lib64/mariadb/plugin/  
sudo install lib64/mariadb/plugin/dialog.so /usr/lib64/mariadb/plugin/  
sudo install lib64/mariadb/plugin/mysql\_clear\_password.so /usr/lib64/mariadb/plugin/  
sudo install lib64/mariadb/plugin/sha256\_password.so /usr/lib64/mariadb/plugin/

## Step 5: Move the Connector Library to Tableau's Directory

Move or copy the libmaodbc.so file from /usr/lib64/ to /opt/mariadb/libmaodbc.so:

sudo mkdir -p /opt/mariadb  
sudo cp /usr/lib64/libmaodbc.so /opt/mariadb/libmaodbc.so  
sudo chmod 755 /opt/mariadb/libmaodbc.so

## Step 6: Configure ODBC Driver in /etc/odbcinst.ini

Append the following section to /etc/odbcinst.ini (if it is not already there):

[MariaDB ODBC 3.0 Driver]  
Description = MariaDB Connector/ODBC v.3.0  
Driver = /opt/mariadb/libmaodbc.so

## Step 7: For Multi-Node Tableau Server Clusters

**IMPORTANT: If you are running Tableau Server in a multi-node cluster, repeat these steps on all nodes that run any of these processes:***Application Server (Vizportal)  
Backgrounder  
Data Server  
VizQL Server*

## Step 8: Restart Tableau Server

Run the following commands to restart Tableau Server:

tsm restart