Installing MySQL Connector on AWS

You will need to install MySQL connector before starting with Apache Sqoop to use Sqoop with MySQL tables. The following steps will guide you through the installation process:

- First, log in into your EMR instance and complete the initial steps of setup. Now you need to run the following command to install the MySQL connector jar file.

```
wget https://de-mysql-connector.s3.amazonaws.com/mysql-connector-java-8.0.25.tar.gz
```

```
[hadoop@ip-172-31-45-198 ~]$ wget https://de-mysql-connector.s3.amazonaws.com/mysql-connector-java-8.0.
25.tar.gz
--2021-08-12 17:06:55--  https://de-mysql-connector.s3.amazonaws.com/mysql-connector-java-8.0.25.tar.gz

Resolving de-mysql-connector.s3.amazonaws.com (de-mysql-connector.s3.amazonaws.com)... 52.217.204.153
Connecting to de-mysql-connector.s3.amazonaws.com (de-mysql-connector.s3.amazonaws.com)|52.217.204.153|
:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 4079310 (3.9M) [application/x-gzip]
Saving to: 'mysql-connector-java-8.0.25.tar.gz'

100%[==================================================>] 4,079,310   13.5MB/s   in 0.3s

2021-08-12 17:06:55 (13.5 MB/s) - 'mysql-connector-java-8.0.25.tar.gz' saved [4079310/4079310]

[hadoop@ip-172-31-45-198 ~]$
[hadoop@ip-172-31-45-198 ~]$ ls
create_tables.py  get-pip.py       log1  log3
events            hbase_mapper.py  log2  mysql-connector-java-8.0.25.tar.gz
```

- Now, you need to run the following step to extract the MySQL connector tar file.

```
tar -xvf mysql-connector-java-8.0.25.tar.gz
```

- Now, you need to go to the MySQL Connector directory created in the previous step and then copy it to the Sqoop library to complete the installation.

```
cd mysql-connector-java-8.0.25/
sudo cp mysql-connector-java-8.0.25.jar /usr/lib/sqoop/lib/
```

```
[hadoop@ip-172-31-45-198 mysql-connector-java-8.0.25]$ sudo cp mysql-connector-java-8.0.25.jar
/sqoop/lib/
[hadoop@ip-172-31-45-198 mysql-connector-java-8.0.25]$
```

- You have now installed the MySQL Connector. Now, you can set up MySQL on your EMR cluster.