

SQOOP INSTALLATION

Step 1: Downloading Sqoop

We can download the latest version of Sqoop from Apache site. For this tutorial, we are using version 1.4.5, that is, **sqoop-1.4.5.bin__hadoop-2.0.4-alpha.tar.gz**.

Step 2: Installing Sqoop

The following commands are used to extract the Sqoop tar ball and move it to “/usr/local” directory.

```
$ tar -xvf sqoop-1.4.4.bin__hadoop-2.0.4-alpha.tar.gz
```

```
$ su
```

```
password:
```

```
# sudo mv sqoop-1.4.4.bin__hadoop-2.0.4-alpha /usr/local
```

```
#exit
```

Step 3: Configuring bashrc

You have to set up the Sqoop environment by appending the following lines to ~/.**bashrc** file:

```
#Sqoop
```

```
export SQOOP_HOME=/usr/local/sqoop-1.4.6.bin__hadoop-2.0.4-alpha
```

```
export PATH=$PATH:$SQOOP_HOME/bin
```

The following command is used to execute ~/.**bashrc** file.

```
$ source ~/.bashrc
```

Step 4: Configuring Sqoop

To configure Sqoop with Hadoop, you need to edit the **sqoop-env.sh** file, which is placed in the **\$SQOOP_HOME/conf** directory. First of all, Redirect to Sqoop config directory and copy the template file using the following command:

```
$ cd $SQOOP_HOME/conf
```

```
$ mv sqoop-env-template.sh sqoop-env.sh
```

Open **sqoop-env.sh** and edit the following lines:

```
export HADOOP_COMMON_HOME=/usr/local/hadoop
```

```
export HADOOP_MAPRED_HOME=/usr/local/hadoop
```

```
export HIVE_HOME=/usr/local/apache-hive-2.1.1-bin
```

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Step 5: Download and Configure mysql-connector-java

We can download **mysql-connector-java-5.1.30.tar.gz**.

The following commands are used to extract mysql-connector-java tarball and move **mysql-connector-java-5.1.30-bin.jar** to /usr/lib/sqoop/lib directory.

```
$ tar -zxf mysql-connector-java-5.1.30.tar.gz
```

```
$ su
```

```
password:
```

```
//download mysql-connector-java
```

```
# cd mysql-connector-java-5.1.30
```

```
# mv mysql-connector-java-5.1.30-bin.jar /usr/local/sqoop-1.4.6.bin__hadoop-2.0.4-alpha/lib
```

```
download oracle java connector jar(ojdbc6.jar)
```

```
//move the jar to lib in qoop-1.4.6.bin__hadoop-2.0.4-alpha
```

```
#mv ojdbc.jar /usr/local/sqoop-1.4.6.bin__hadoop-2.0.4-alpha/lib
```

Step 6: Verifying Sqoop

The following command is used to verify the Sqoop version.

```
$ cd $SQOOP_HOME/bin
```

```
$ sqoop-version
```

```
Expected output:
```

```
14/12/17 14:52:32 INFO sqoop.Sqoop: Running Sqoop version: 1.4.5  
Sqoop 1.4.5 git commit id 5b34accaca7de251fc91161733f906af2eddb83  
Compiled by abe on Fri Aug 1 11:19:26 PDT 2014
```