

Install hive on Mac with Homebrew

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Prerequisite

MySQL 5.6.22 is already installed.

Versions (2018/03/14)

- Hadoop 3.0.0
- Hive 2.3.1

Install Hive and Hadoop

```
1 $ brew update
2 $ brew install hive
```

Configure enviromental variables

```
1 # ~/.bashrc
2 export HADOOP_HOME=/usr/local/Cellar/hadoop/3.3.0/libexec
3 export HIVE_HOME=/usr/local/Cellar/hive/2.7.1/libexec
```

Download JDBC

Go to mysql page and download the latest jdbc (sign up is required)

<http://dev.mysql.com/downloads/connector/j/>

```
1 $ tar zxvf mysql-connector-java-5.1.35.tar.gz
2 $ sudo cp mysql-connector-java-5.1.35/mysql-connector-java-5.1.35-bin.jar /usr/local/Cellar
```

Setup MySQL database

```
1 $ mysql
2 mysql> CREATE DATABASE metastore;
3 mysql> USE metastore;
4 mysql> CREATE USER 'hiveuser'@'localhost' IDENTIFIED BY 'password';
5 mysql> GRANT SELECT,INSERT,UPDATE,DELETE,ALTER,CREATE ON metastore.* TO 'hiveuser'@'localho
```

Copy hive-default.xml to hive-site.xml

```
1 $ cd /usr/local/Cellar/hive/2.7.1/libexec/conf
2 $ cp hive-default.xml.template hive-site.xml
```

Edit following lines in hive-site.xml

```
1 <property>
2   <name>javax.jdo.option.ConnectionURL</name>
3   <value>jdbc:mysql://localhost/metastore</value>
4 </property>
5 <property>
6   <name>javax.jdo.option.ConnectionDriverName</name>
7   <value>com.mysql.jdbc.Driver</value>
8 </property>
9 <property>
10  <name>javax.jdo.option.ConnectionUserName</name>
11  <value>hiveuser</value>
12 </property>
13 <property>
14  <name>javax.jdo.option.ConnectionPassword</name>
15  <value>password</value>
16 </property>
17 <property>
18  <name>datanucleus.fixedDatastore</name>
19  <value>>false</value>
20 </property>
21 <property>
22  <name>hive.exec.local.scratchdir</name>
23  <value>/tmp/hive</value>
24  <description>Local scratch space for Hive jobs</description>
25 </property>
26 <property>
27  <name>hive.downloaded.resources.dir</name>
28  <value>/tmp/hive</value>
29  <description>Temporary local directory for added resources in the remote file system.<
30 </property>
31 <property>
32  <name>hive.querylog.location</name>
33  <value>/tmp/hive</value>
34  <description>Location of Hive run time structured log file</description>
35 </property>
```

Run hive

1	\$ hive
2	hive > show tables;