

环境:centos 7 、hadoop2.7.3 、apache-hive-2.1.1-bin.tar.gz

1、上传压缩包，并解压：

```
tar zxvf /var/www/html/apache-hive-2.1.1-bin.tar.gz -C /usr/local/
```

2、修改文件名称：

```
mv /usr/local/apache-hive-2.1.1-bin/ /usr/local/hive
```

3、配置环境变量:vim /etc/profile

```
export JAVA_HOME=/usr/local/jdk
```

```
export JRE_HOME=/usr/local/jdk/jre
```

```
export MAVEN_HOME=/usr/local/maven
```

```
export ZOOKEEPER_HOME=/usr/local/zookeeper
```

```
export HADOOP_HOME=/usr/local/hadoop
```

```
export HIVE_HOME=/usr/local/hive
```

```
export HBASE_HOME=/usr/local/hbase
```

```
export
```

```
PATH=$PATH:$JAVA_HOME/bin:$JRE_HOME/bin:$MAVEN_HOME/bin:$ZOOKEEPER_HOME/bin:$HADOOP_HOME/bin:$HBASE_HOME/bin:$HIVE_HOME/bin
```

```
source /etc/profile
```

4、使环境变量配置立即生效：source /etc/profile

5、配置“hive-site.xml”配置文件属性

```
cp /usr/local/hive/conf/hive-default.xml.template
```

```
/usr/local/hive/conf/hive-site.xml
```

修改文件：

```
<property>
```

```
<name>hive.exec.scratchdir</name>
```

```
<value>/usr/data/hive/dir</value>
```

```
<description>Local scratch space for Hive jobs</description>
```

```
</property>
```

```
<property>
```

```
<name>hive.downloaded.resources.dir</name>
```

```
<value>/usr/data/hive/resources</value>
```

```
<description>Temporary local directory for added resources in the remote file system.</description>
```

```
</property>
```

配置连接数据库信息：

```
<property>
```

```
<name>javax.jdo.option.ConnectionPassword</name>
```

```
<value>123456</value>
```

```
<description>password to use against metastore database</description>
```

```
</property>
```

```
<property>
```

```
<name>javax.jdo.option.ConnectionDriverName</name>
```

```
<value>org.mariadb.jdbc.Driver</value>
```

```
<description>Driver class name for a JDBC metastore</description>
</property>
```

```
<property>
<name>javax.jdo.option.ConnectionUserName</name>
<value>root</value>
<description>Username to use against metastore database</description>
</property>
```

```
<property>
  <name>javax.jdo.option.ConnectionURL</name>
  <value>jdbc:mysql://192.168.28.130:3306/hive?createDatabaseIfNotExist=true<
/property>
```

6、需要将 mariadb 的连接驱动程序拷贝到 hive 之中

```
cp /var/www/html/mariadb-java-client-1.5.9.jar /usr/local/hive/lib/
```

7、配置 hive-config.sh 文件: `vim /usr/local/hive/bin/hive-config.sh`

```
export JAVA_HOME=/usr/local/jdk
```

```
export HIVE_HOME=/usr/local/hive
```

```
export HADOOP_HOME=/usr/local/hadoop
```

8、随后启动 Hive 服务:

hive 依赖于 hadoop, 需要先启动 Hadoop, 在启动 hive。

启动 hadoop

```
/usr/local/hadoop/sbin/start-all.sh
```

启动 hive

```
/usr/local/hive/bin/hive start
```

启动后会报错, 需要先运行: `schematool -initSchema -dbType mysql`

在运行报错:

```
Exception in thread "main" java.lang.IllegalArgumentException:
java.net.URISyntaxException: Relative path in absolute URI:
${system:java.io.tmpdir%7D/%7Bsystem:user.name%7D
at org.apache.hadoop.fs.Path.initialize(Path.java:205)
at org.apache.hadoop.fs.Path.<init>(Path.java:171)
at
org.apache.hadoop.hive.ql.session.SessionState.createSessionDirs(SessionState.j
ava:644)
at org.apache.hadoop.hive.ql.session.SessionState.start(SessionState.java:563)
at
org.apache.hadoop.hive.ql.session.SessionState.beginStart(SessionState.java:531
)
at org.apache.hadoop.hive.cli.CliDriver.run(CliDriver.java:705)
at org.apache.hadoop.hive.cli.CliDriver.main(CliDriver.java:641)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
```

```
at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.apache.hadoop.util.RunJar.run(RunJar.java:221)
at org.apache.hadoop.util.RunJar.main(RunJar.java:136)
Caused by: java.net.URISyntaxException: Relative path in absolute URI:
${system:java.io.tmpdir%7D/%7Bsystem:user.name%7D
at java.net.URI.checkPath(URI.java:1823)
at java.net.URI.<init>(URI.java:745)
at org.apache.hadoop.fs.Path.initialize(Path.java:202)
... 12 more
```

创建文件夹: `mkdir /usr/local/hive/iotemp`

修改 `vim /usr/local/hive/conf/hive-site.xml`, 将其中`${system:java.io.tmpdir}`都替换成此文件目录 `/usr/local/hive/iotemp`。

保存重新运行: `/usr/local/hive/bin/hive start`

```
[root@centos01 ~]# /usr/local/hive/bin/hive start
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/local/hive/lib/log4j-slf4j-impl-
2.4.1.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in
[jar:file:/usr/local/hadoop/share/hadoop/common/lib/slf4j-log4j12-
1.7.10.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an
explanation.
SLF4J: Actual binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]
```

Logging initialized using configuration in jar:file:/usr/local/hive/lib/hive-common-2.1.1.jar!/hive-log4j2.properties Async: true

Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.

`hive>`