**Hive On Spark环境搭建**

# 1、使用课程提供的apache-hive-1.2.1-bin.tar.gz

# 2、在/usr/local目录下解压缩

# 3、进入conf目录，mv hive-default.xml.template hive-site.xml，修改hive-site.xml

<property>

<name>javax.jdo.option.ConnectionURL</name>

<value>jdbc:mysql://spark1:3306/hive\_metadata\_2?createDatabaseIfNotExist=true</value>

</property>

<property>

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

<value>com.mysql.jdbc.Driver</value>

</property>

<property>

<name>javax.jdo.option.ConnectionUserName</name>

<value>hive</value>

</property>

<property>

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

<value>hive</value>

</property>

<property>

<name>hive.metastore.warehouse.dir</name>

<value>/user/hive/warehouse2</value>

</property>

# 4、在conf目录下

mv hive-env.sh.template hive-env.sh

vi ./bin/hive-config.sh

export JAVA\_HOME=/usr/java/latest

export HIVE\_HOME=/usr/local/apache-hive-1.2.1-bin

export HADOOP\_HOME=/usr/local/hadoop

# 5、cp /usr/share/java/mysql-connector-java-5.1.17.jar /usr/local/apache-hive-1.2.1-bin/lib

# 6、MySQL

create database if not exists hive\_metadata\_2;

grant all privileges on hive\_metadata\_2.\* to 'hive'@'%' identified by 'hive';

grant all privileges on hive\_metadata\_2.\* to 'hive'@'localhost' identified by 'hive';

grant all privileges on hive\_metadata\_2.\* to 'hive'@'spark1' identified by 'hive';

flush privileges;

# 7、启动hive cli，./hive，报错，Relative path in absolute URI: ${system:java.io.tmpdir%7D/$%7Bsystem:user.name%7D

创建文件夹：/home/grid/apache-hive-1.2.1-bin

/iotmp

将hive-site.xml中所有的${system:java.io.tmpdir}改为上面的目录，这里建议用WinSCP将hive-site.xml拷贝到windows上来，用notepad++这种工具，来进行文本替换，比较方便。

# 8、启动hive cli，./hive，继续报错，Found class jline.Terminal, but interface was expected

cp /usr/local/apache-hive-1.2.1-bin/lib/jline-2.12.jar /usr/local/hadoop/share/hadoop/yarn/lib

将hadoop原来的老的jline-0.9.94.jar，改名或者删除

# 9、启动hive cli，/usr/local/apache-hive-1.2.1-bin/bin/hive，成功启动

create table students(name string, age int);

load data local inpath '/usr/local/spark-study/resources/students.txt' into table students;

// 使用Hive On Spark非常简单

// 只要用set hive.execution.engine命令设置Hive的执行引擎为spark即可

// 默认是mr

set hive.execution.engine=spark;

// 这里，是完全可以将其设置为Spark Master的URL地址的

set spark.master=spark://192.168.1.107:7077

select \* from students;