Hadoop集成sqoop

一、上传文件并且进行解压

1) wget http://mirror.bit.edu.cn/apache/sqoop/1.4.6/sqoop-1.4.6.bin\_\_hadoop-2.0.4-alpha.tar.gz

tar -zxvf sqoop-1.4.6.bin\_hadoop-2.0.4.alpha.tar.gz -C /root/hadoop/

mv sqoop-1.4.6.bin\_hadoop-2.0.4.alpha sqoop-1.4.6

2) 配置环境变量

export SQOOP\_HOME=/root/hadoop/sqoop-1.4.6

export PATH = $PATH:$SQOOP\_HME/bin

3) 将mysql驱动包copy到lib目录下

### 二、配置hadoop路径修改sqoop-env.sh文件

export HADOOP\_COMMON\_HOME=/usr/local/hadoop273

export HADOOP\_MAPRED\_HOME=/usr/local/hadoop273

　　export HBASE\_HOME=/usr/local/hbase  
　　export HIVE\_HOME=/usr/local/hive  
　　export ZOOCFGDIR= #如果读者配置了ZooKeeper,也需要在此配置ZooKeeper的路径

三、操作

1) 导入传统mysql数据库

sqoop import --connect jdbc:mysql://localhost:3306/test --username hive --password hive --table point

2) 导入Hbase

sqoop import --connect jdbc:mysql://localhost:3306/test --username root --password root --table point --hbase-table HPoint --column-family info --hbase-row-key pointId --hbase-create-table

3) 显示Mysql数据库的信息

sqoop list-databases --connect jdbc:mysql://192.168.2.101:3306/ --username root --password root

4) 显示数据库所有的表

sqoop list-tables --connectjdbc:mysql://192.168.2.101:3306/FlowDB --username root -password root

5) mysql导入到hdfs中

sqoopimport--connect jdbc:mysql://192.168.2.101:3306/FlowDB --username root --password root --table WorkTable --fields-terminated-by'\t'-m 1

四、导出操作

1)hdfs导出到mysql中

sqoop export --connect jdbc:mysql://192.168.2.101:3306/FlowDB --table WorkTable\_hdfs --username root --password root --export-dir /user/jzyc/WorkTable/ --input-fields-terminated-by'\t'

2)从Mysql数据导入到hive中

Sqoop import--append --connect jdbc:mysql://192.168.2.101:3306/FlowDB --username root --password root --query"SELECT ID,Classify,Name,ModelType,CreateDate,CreateUserID,DesignJSON,Status from WorkTable where \$CONDITIONS"-m 1 --target-dir /hive/warehouse/WorkTable --fields-terminated-by","

3)从mysql数据库到如到hive中

Sqoop import--append --connect jdbc:mysql://192.168.2.101:3306/FlowDB --username root --password root --table WorkTable --columns"ID,Classify,Name,ModelType,CreateDate,CreateUserID"--where"Classify = 1"-m 1 --target-dir /hive/warehouse/WorkTable2 --fields-terminated-by","