Spark ThriftServer的使用

1. 启动命令：

*/usr/jdk64/jdk1.7.0\_67/bin/java*

*-Dhdp.version=None -cp /cmss/bch/bc1.3.6/spark/conf/:/cmss/bch/bc1.3.6/hadoop/etc/hadoop/:/cmss/bch/bc1.3.6/spark/lib/\*:/cmss/bch/bc1.3.6/spark/lib/spark-assembly-1.6.2-bc1.3.6-hadoop2.6.0-bc1.3.6.jar:/cmss/bch/bc1.3.6/spark/lib/datanucleus-core-3.2.10.jar:/cmss/bch/bc1.3.6/spark/lib/datanucleus-rdbms-3.2.9.jar:/cmss/bch/bc1.3.6/spark/lib/datanucleus-api-jdo-3.2.6.jar*

*-Xms1g -Xmx1g -XX:MaxPermSize=256m*

*org.apache.spark.deploy.SparkSubmit*

*--master yarn*

*--deploy-mode client*

*--conf spark.driver.memory=1g*

*--class org.apache.spark.sql.hive.thriftserver.HiveThriftServer2*

*--driver-cores 1 --num-executors 1 --executor-cores 1 --executor-memory 1g spark-internal*

*--hiveconf hive.server2.map.fair.scheduler.queue=false*

*--hiveconf hive.server2.support.dynamic.service.discovery=false*

*--hiveconf hive.server2.thrift.port=10010*

1. Spart ThriftServer启动端口10010

*[root@bch1 ~]# lsof -i:10010*

*COMMAND PID USER FD TYPE DEVICE SIZE/OFF NODE NAME*

*java 23078 spark 189u IPv6 112831550 0t0 TCP \*:rxapi (LISTEN)*

*[root@bch1 ~]# /cmss/bch/bc1.3.6/spark/bin/beeline -u "jdbc:hive2://10.139.12.57:10010/default;principal=hive/hivecluster@BCHKDC"*

*0: jdbc:hive2://10.139.12.57:10010/default> show databases;*

*Error: org.apache.spark.sql.execution.QueryExecutionException: FAILED: Execution Error, return code 1 from org.apache.hadoop.hive.ql.exec.DDLTask. java.lang.RuntimeException: Unable to instantiate org.apache.hadoop.hive.ql.metadata.SessionHiveMetaStoreClient (state=,code=0)*

*#/cmss/bch/bc1.3.6/spark/bin/spark-sql --deploy-mode client --conf spark.yarn.maxAppAttempts=1 --principal spark/sparkcluster@BCHKDC --keytab /etc/security/keytabs/spark.headless.keytab*

1. 连接Hive beeline

*/cmss/bch/bc1.3.6/hive/bin/beeline -u "jdbc:hive2://10.139.12.58:10000/default;principal=hive/hivecluster@BCHKDC"*

*0: jdbc:hive2://10.139.12.58:10000/default> create table if not exists user (name string, age int) ROW FORMAT DELIMITED FIELDS TERMINATED BY "\t";*

*No rows affected (1.99 seconds)*

*0: jdbc:hive2://10.139.12.58:10000/default> show tables;*

*+-----------+--+*

*| tab\_name |*

*+-----------+--+*

*| user |*

*+-----------+--+*

*1 row selected (1.875 seconds)*

*0: jdbc:hive2://10.139.12.58:10000/default> load data local inpath '/home/hive/user' into table user;*

*INFO : Loading data to table default.user from file:/home/hive/user*

*INFO : Table default.user stats: [numFiles=1, totalSize=16]*

*No rows affected (4.314 seconds)*

*0: jdbc:hive2://10.139.12.58:10000/default> select \* from user;*

*+------------+-----------+--+*

*| user.name | user.age |*

*+------------+-----------+--+*

*| tom | 12 |*

*| jerry | 45 |*

*+------------+-----------+--+*

1. Spark beeline连接Hive

*/cmss/bch/bc1.3.6/spark/bin/beeline -u "jdbc:hive2://bch1:10010/default;principal=spark/sparkcluster@BCHKDC"*