1. Rpc

20/05/14 17:50:36 WARN scheduler.TaskSetManager: Lost task 5.3 in stage 5.0 (TID 110, 172.16.9.197): java.lang.RuntimeException: Failed to write 85 rows to Kudu; Sample errors: Timed out: cannot complete before timeout: Batch{operations=1, tablet="6c464ce3a94642a3b8b3a11dc01a3336" [0x0000001B, 0x0000001C), ignoredErrors=[], rpc=KuduRpc(method=Write, tablet=null, attempt=20, TimeoutTracker(timeout=30000, elapsed=26387), Trace Summary(26388 ms): Sent(20), Received(20), Delayed(20), MasterRefresh(20), AuthRefresh(0), Truncated: false

Sent: (master-172.16.8.137:7051, [ GetTableLocations, 20 ])

Received: (master-172.16.8.137:7051, [ OK, 20 ])

Delayed: (UNKNOWN, [ Write, 20 ]))}Timed out: cannot complete before timeout: Batch{operations=2, tablet="9b15759080144185a2bf67f604f70e7a" [0x0000003C, 0x0000003D), ignoredErrors=[], rpc=KuduRpc(method=Write, tablet=null, attempt=22, TimeoutTracker(timeout=30000, elapsed=26441), Trace Summary(26442 ms): Sent(22), Received(22), Delayed(22), MasterRefresh(22), AuthRefresh(0), Truncated: false

Sent: (master-172.16.8.137:7051, [ GetTableLocations, 22 ])

Received: (master-172.16.8.137:7051, [ OK, 22 ])

Delayed: (UNKNOWN, [ Write, 22 ]))}Timed out: cannot complete before timeout: Batch{operations=2, tablet="9b15759080144185a2bf67f604f70e7a" [0x0000003C, 0x0000003D), ignoredErrors=[], rpc=KuduRpc(method=Write, tablet=null, attempt=22, TimeoutTracker(timeout=30000, elapsed=26441), Trace Summary(26442 ms): Sent(22), Received(22), Delayed(22), MasterRefresh(22), AuthRefresh(0), Truncated: false

Sent: (master-172.16.8.137:7051, [ GetTableLocations, 22 ])

Received: (master-172.16.8.137:7051, [ OK, 22 ])

Delayed: (UNKNOWN, [ Write, 22 ]))}Timed out: cannot complete before timeout: Batch{operations=2, tablet="0a7b9d7f81894092a6d7fcff98fc6415" [0x00000005, 0x00000006), ignoredErrors=[], rpc=KuduRpc(method=Write, tablet=null, attempt=23, TimeoutTracker(timeout=30000, elapsed=26508), Trace Summary(26509 ms): Sent(23), Received(23), Delayed(23), MasterRefresh(23), AuthRefresh(0), Truncated: false

Sent: (master-172.16.8.137:7051, [ GetTableLocations, 23 ])

Received: (master-172.16.8.137:7051, [ OK, 23 ])

Delayed: (UNKNOWN, [ Write, 23 ]))}Timed out: cannot complete before timeout: Batch{operations=2, tablet="0a7b9d7f81894092a6d7fcff98fc6415" [0x00000005, 0x00000006), ignoredErrors=[], rpc=KuduRpc(method=Write, tablet=null, attempt=23, TimeoutTracker(timeout=30000, elapsed=26508), Trace Summary(26509 ms): Sent(23), Received(23), Delayed(23), MasterRefresh(23), AuthRefresh(0), Truncated: false

Sent: (master-172.16.8.137:7051, [ GetTableLocations, 23 ])

Received: (master-172.16.8.137:7051, [ OK, 23 ])

Delayed: (UNKNOWN, [ Write, 23 ]))}

at org.apache.kudu.spark.kudu.KuduContext$$anonfun$writeRows$1.apply(KuduContext.scala:366)

at org.apache.kudu.spark.kudu.KuduContext$$anonfun$writeRows$1.apply(KuduContext.scala:350)

at org.apache.spark.rdd.RDD$$anonfun$foreachPartition$1$$anonfun$apply$28.apply(RDD.scala:883)

at org.apache.spark.rdd.RDD$$anonfun$foreachPartition$1$$anonfun$apply$28.apply(RDD.scala:883)

at org.apache.spark.SparkContext$$anonfun$runJob$5.apply(SparkContext.scala:1897)

at org.apache.spark.SparkContext$$anonfun$runJob$5.apply(SparkContext.scala:1897)

at org.apache.spark.scheduler.ResultTask.runTask(ResultTask.scala:70)

at org.apache.spark.scheduler.Task.run(Task.scala:85)

at org.apache.spark.executor.Executor$TaskRunner.run(Executor.scala:274)

at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)

at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)

at java.lang.Thread.run(Thread.java:748)

怀疑是9197节点未添加 cdh1-3的hostname导致的,不然不可能那几个partition 一直执行不成功,修改验证的确是这样

1. Connection Rest

20/05/14 17:30:13 WARN scheduler.TaskSetManager: Lost task 0.0 in stage 0.0 (TID 0, 172.16.9.142): java.sql.SQLRecoverableException: IO 错误: Connection reset

at oracle.jdbc.driver.T4CConnection.logon(T4CConnection.java:467)

at oracle.jdbc.driver.PhysicalConnection.<init>(PhysicalConnection.java:546)

at oracle.jdbc.driver.T4CConnection.<init>(T4CConnection.java:236)

at oracle.jdbc.driver.T4CDriverExtension.getConnection(T4CDriverExtension.java:32)

at oracle.jdbc.driver.OracleDriver.connect(OracleDriver.java:521)

at java.sql.DriverManager.getConnection(DriverManager.java:664)

at java.sql.DriverManager.getConnection(DriverManager.java:247)

at com.test.kudu.SaveOracle2Kudu2$.getHisOracleConnection(SaveOracle2Kudu2.scala:118)

at com.test.kudu.SaveOracle2Kudu2$$anonfun$1.apply(SaveOracle2Kudu2.scala:69)

at com.test.kudu.SaveOracle2Kudu2$$anonfun$1.apply(SaveOracle2Kudu2.scala:69)

at org.apache.spark.rdd.JdbcRDD$$anon$1.<init>(JdbcRDD.scala:79)

at org.apache.spark.rdd.JdbcRDD.compute(JdbcRDD.scala:75)

at org.apache.spark.rdd.RDD.computeOrReadCheckpoint(RDD.scala:319)

at org.apache.spark.rdd.RDD.iterator(RDD.scala:283)

at org.apache.spark.scheduler.ResultTask.runTask(ResultTask.scala:70)

at org.apache.spark.scheduler.Task.run(Task.scala:85)

at org.apache.spark.executor.Executor$TaskRunner.run(Executor.scala:274)

at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1142)

at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:617)

at java.lang.Thread.run(Thread.java:745)

Caused by: java.net.SocketException: Connection reset

at java.net.SocketOutputStream.socketWrite(SocketOutputStream.java:113)

at java.net.SocketOutputStream.write(SocketOutputStream.java:153)

at oracle.net.ns.DataPacket.send(DataPacket.java:210)

at oracle.net.ns.NetOutputStream.flush(NetOutputStream.java:230)

at oracle.net.ns.NetInputStream.getNextPacket(NetInputStream.java:312)

at oracle.net.ns.NetInputStream.read(NetInputStream.java:260)

at oracle.net.ns.NetInputStream.read(NetInputStream.java:185)

at oracle.net.ns.NetInputStream.read(NetInputStream.java:102)

at oracle.jdbc.driver.T4CSocketInputStreamWrapper.readNextPacket(T4CSocketInputStreamWrapper.java:124)

at oracle.jdbc.driver.T4CSocketInputStreamWrapper.read(T4CSocketInputStreamWrapper.java:80)

at oracle.jdbc.driver.T4CMAREngine.unmarshalUB1(T4CMAREngine.java:1137)

at oracle.jdbc.driver.T4CTTIfun.receive(T4CTTIfun.java:290)

at oracle.jdbc.driver.T4CTTIfun.doRPC(T4CTTIfun.java:192)

at oracle.jdbc.driver.T4CTTIoauthenticate.doOSESSKEY(T4CTTIoauthenticate.java:404)

at oracle.jdbc.driver.T4CConnection.logon(T4CConnection.java:385)

... 19 more

这个问题是读取oracle时行时不行,大多次尝试是有问题的

开门见山，最快捷的验证方法和**解决方案**：java **-Djava.security.egd=file:///dev/urandom**  -jar  xxxxxxx.jar

描述下问题：写了个jar工具，用到了连接池，ojdbc。windows环境一切正常。linux环境下启动关闭两三次后就出现 java.sql.SQLRecoverableException: IO 错误: Connection reset

排查配置文件和解析问题， 无果。

使用最新ojdbc包，无果。

更换hikari到druid，无果。

无奈搜索一番，找到了上述方案，解释下出现这个问题的原因：

连接ORACLE服务器，客户端要生成随机密钥用于客户端认证，linux下JDK默认使用/dev/random，random采用阻塞方式生成随机数，生成的速度很慢，ORACLE服务器会主动reset,并在alert.log中报错：  
TNS-12535: TNS:operation timed out  
    ns secondary err code: 12606  
    nt main err code: 0  
    nt secondary err code: 0  
    nt OS err code: 0  
  Client address: (ADDRESS=(PROTOCOL=tcp)(HOST=192.168.6.21)(PORT=33460))  
WARNING: inbound connection timed out (ORA-3136)

其他解决方案：

编辑$JAVA\_HOME/jre/lib/security/java.security将securerandom.source=file:/dev/random 改为file:/dev/urandom（urandom采用非阴塞式生成随机数，性能很好，不会产生超时）

我采用的是在任务提交节点采取标红的方案,正常进行