[MAPREDUCE-3226](https://www.google.com/url?q=https://issues.apache.org/jira/browse/MAPREDUCE-3226&sa=D&source=editors&ust=1751358314727495&usg=AOvVaw0FM3ncGAXEyktCDgO1SVWP)

Few reduce tasks hanging in a gridmix-run

**(1)  Log information**

Description: “In a gridmix run with ~1000 jobs, one job is getting stuck because of 2-3 hanging reducers. All of them are stuck after downloading all map outputs and have the following thread dump.”

**(1.1) Roles in this case**

 Reduce task: client-side   AM:server-side

**(1.2) Symptoms**

(Reduce Task logs)

2011-10-18 10:34:41,006 INFO org.apache.hadoop.mapred.Task: Communication exception: java.io.IOException: Failed on local exception: java.nio.channels.ClosedByInterruptException; Host Details : local host is: "host.name.com/$IP"; destination host is: “"host.name.com":48314;

           at org.apache.hadoop.net.NetUtils.wrapException(NetUtils.java:601)             

            at org.apache.hadoop.ipc.Client.call(Client.java:1089)

            at org.apache.hadoop.ipc.WritableRpcEngine$Invoker.invoke(WritableRpcEngine.java:193)

            at $Proxy6.**statusUpdate**(Unknown Source)

            at org.apache.hadoop.mapred.Task$TaskReporter.run(Task.java:671)

            at java.lang.Thread.run(Thread.java:619)

Caused by: java.nio.channels.ClosedByInterruptException

            at java.nio.channels.spi.AbstractInterruptibleChannel.end(AbstractInterruptibleChannel.java:184)

            at sun.nio.ch.SocketChannelImpl.write(SocketChannelImpl.java:341)

            at org.apache.hadoop.net.SocketOutputStream$Writer.performIO(SocketOutputStream.java:60)

            at org.apache.hadoop.net.SocketIOWithTimeout.doIO(SocketIOWithTimeout.java:142)

            at org.apache.hadoop.net.SocketOutputStream.write(SocketOutputStream.java:151)

            at org.apache.hadoop.net.SocketOutputStream.write(SocketOutputStream.java:112)

            at org.apache.hadoop.security.SaslOutputStream.write(SaslOutputStream.java:168)

            at java.io.BufferedOutputStream.flushBuffer(BufferedOutputStream.java:65)

            at java.io.BufferedOutputStream.flush(BufferedOutputStream.java:123)

            at java.io.DataOutputStream.flush(DataOutputStream.java:106)

            at org.apache.hadoop.ipc.Client$Connection.sendParam(Client.java:796)

            at org.apache.hadoop.ipc.Client.call(Client.java:1066)

            at org.apache.hadoop.ipc.WritableRpcEngine$Invoker.invoke(WritableRpcEngine.java:193)

            at $Proxy6.getMapCompletionEvents(Unknown Source)

            at org.apache.hadoop.mapreduce.task.reduce.EventFetcher.getMapCompletionEvents(EventFetcher.java:99)

            at org.apache.hadoop.mapreduce.task.reduce.EventFetcher.run(EventFetcher.java:65)

The hanging reducers’ thread dump:

"EventFetcher for fetching Map Completion Events" daemon prio=10 tid=0xa325fc00 nid=0x1ca4 waiting on condition [0xa315c000]

   java.lang.Thread.State: TIMED\_WAITING (sleeping)

            at java.lang.Thread.sleep(Native Method)

            at org.apache.hadoop.mapreduce.task.reduce.EventFetcher.run(EventFetcher.java:71)

"main" prio=10 tid=0x080ed400 nid=0x1c71 in Object.wait() [0xf73a2000]

   java.lang.Thread.State: WAITING (on object monitor)

            at java.lang.Object.wait(Native Method)

            - **waiting on** <0xa94b23d8> (a org.apache.hadoop.mapreduce.task.reduce.EventFetcher)

            at java.lang.**Thread.join**(Thread.java:1143)

            - **locked** <0xa94b23d8> (a org.apache.hadoop.mapreduce.task.reduce.EventFetcher)

            at java.lang.**Thread.join**(Thread.java:1196)

            at org.apache.hadoop.mapreduce.task.reduce.Shuffle.run(Shuffle.java:135)

            at org.apache.hadoop.mapred.ReduceTask.run(ReduceTask.java:367)

            at org.apache.hadoop.mapred.YarnChild$2.run(YarnChild.java:147)

            at java.security.AccessController.doPrivileged(Native Method)

            at javax.security.auth.Subject.doAs(Subject.java:396)

            at org.apache.hadoop.security.UserGroupInformation.doAs(UserGroupInformation.java:1135)

              at org.apache.hadoop.mapred.YarnChild.main(YarnChild.java:142)