[MAPREDUCE-2450](https://www.google.com/url?q=https://issues.apache.org/jira/browse/MAPREDUCE-2450&sa=D&source=editors&ust=1751358340860215&usg=AOvVaw2_pk_9tlSEbwcYffApjlyR)

Calls from running tasks to TaskTracker methods sometimes fail and incur a 60s timeout hangs in a corner case

**(1)  Log information**

**(1.1) Roles in this case**

mapper: client side         TaskTracker:server side

**(1.2) Symptoms**

some map tasks in the job take 1 minute to commit after they finish the map computation. On the map side, the output looks like this:

2009-03-02 21:30:54,384 INFO org.apache.hadoop.metrics.jvm.JvmMetrics: Cannot initialize JVM Metrics with processName=MAP, sessionId= - already initialized

2009-03-02 21:30:54,437 INFO org.apache.hadoop.mapred.MapTask: numReduceTasks: 800

2009-03-02 21:30:54,437 INFO org.apache.hadoop.mapred.MapTask: io.sort.mb = 300

2009-03-02 21:30:55,493 INFO org.apache.hadoop.mapred.MapTask: data buffer = 239075328/298844160

2009-03-02 21:30:55,494 INFO org.apache.hadoop.mapred.MapTask: record buffer = 786432/983040

2009-03-02 21:31:00,381 INFO org.apache.hadoop.mapred.MapTask: Starting flush of map output

2009-03-02 21:31:07,892 INFO org.apache.hadoop.mapred.MapTask: Finished spill 0

2009-03-02 21:31:07,951 INFO org.apache.hadoop.mapred.TaskRunner: Task:attempt\_200903022127\_0001\_m\_003163\_0 is done. And is in the process of commiting

2009-03-02 21:32:07,949 INFO org.apache.hadoop.mapred.TaskRunner: Communication exception: java.io.IOException: Call to /127.0.0.1:50311 failed on local exception: java.nio.channels.ClosedChannelException

at org.apache.hadoop.ipc.Client.wrapException(Client.java:765)

at org.apache.hadoop.ipc.Client.call(Client.java:733)

at org.apache.hadoop.ipc.RPC$Invoker.invoke(RPC.java:220)

at org.apache.hadoop.mapred.$Proxy0.**ping**(Unknown Source)

at org.apache.hadoop.mapred.Task$**TaskReporter.run**(Task.java:525)

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

**Caused by**: java.nio.channels.ClosedChannelException

at java.nio.channels.spi.AbstractSelectableChannel.register(AbstractSelectableChannel.java:167)

at java.nio.channels.SelectableChannel.register(SelectableChannel.java:254)

at org.apache.hadoop.net.SocketIOWithTimeout$SelectorPool.select(SocketIOWithTimeout.java:331)

at org.apache.hadoop.net.SocketIOWithTimeout.doIO(SocketIOWithTimeout.java:157)

at org.apache.hadoop.net.SocketInputStream.read(SocketInputStream.java:155)

at org.apache.hadoop.net.SocketInputStream.read(SocketInputStream.java:128)

at java.io.FilterInputStream.read(FilterInputStream.java:116)

at org.apache.hadoop.ipc.Client$Connection$PingInputStream.read(Client.java:276)

at java.io.BufferedInputStream.fill(BufferedInputStream.java:218)

at java.io.BufferedInputStream.read(BufferedInputStream.java:237)

at java.io.DataInputStream.**readInt**(DataInputStream.java:370)

at org.apache.hadoop.ipc.Client$Connection.receiveResponse(Client.java:501)

at org.apache.hadoop.ipc.Client$Connection.run(Client.java:446)

2009-03-02 21:32:07,953 INFO org.apache.hadoop.mapred.TaskRunner: Task 'attempt\_200903022127\_0001\_m\_003163\_0' done.

In the TaskTracker log, it looks like this:

2009-03-02 21:31:08,110 WARN org.apache.hadoop.ipc.Server: IPC Server Responder, call ping(attempt\_200903022127\_0001\_m\_003163\_0) from 127.0.0.1:56884: output error

2009-03-02 21:31:08,111 INFO org.apache.hadoop.ipc.Server: IPC Server handler 10 on 50311 caught: java.nio.channels.ClosedChannelException

at sun.nio.ch.SocketChannelImpl.ensureWriteOpen(SocketChannelImpl.java:126)

at sun.nio.ch.SocketChannelImpl.write(SocketChannelImpl.java:324) at org.apache.hadoop.ipc.Server.channelWrite(Server.java:1195)

at org.apache.hadoop.ipc.Server.access$1900(Server.java:77)

at org.apache.hadoop.ipc.Server$Responder.processResponse(Server.java:613)

at org.apache.hadoop.ipc.Server$Responder.doRespond(Server.java:677)

at org.apache.hadoop.ipc.Server$Handler.run(Server.java:981)

2011-04-19 01:10:33,715 INFO org.apache.hadoop.mapred.TaskRunner: Task attempt\_201104190103\_0002\_r\_000442\_0 is allowed to commit now

2011-04-19 01:10:33,723 INFO org.apache.hadoop.mapred.FileOutputCommitter: Saved output of task 'attempt\_201104190103\_0002\_r\_000442\_0' to hdfs://r05b02043.yh.aliyun.com:9000/group/dc/willwu/terasort-out

2011-04-19 01:11:33,725 INFO org.apache.hadoop.mapred.TaskRunner: Communication exception: java.io.IOException: Call to /127.0.0.1:48950 failed on local exception: java.nio.channels.ClosedByInterruptException

at org.apache.hadoop.ipc.Client.wrapException(Client.java:736)

at org.apache.hadoop.ipc.Client.call(Client.java:704)

at org.apache.hadoop.ipc.RPC$Invoker.invoke(RPC.java:216)

at org.apache.hadoop.mapred.$Proxy0.statusUpdate(Unknown Source)

at org.apache.hadoop.mapred.Task$1.run(Task.java:417)

at java.lang.Thread.run(Thread.java:662)

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:55)

at org.apache.hadoop.net.SocketIOWithTimeout.doIO(SocketIOWithTimeout.java:140)

at org.apache.hadoop.net.SocketOutputStream.write(SocketOutputStream.java:146)

at org.apache.hadoop.net.SocketOutputStream.write(SocketOutputStream.java:107)

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:473)

at org.apache.hadoop.ipc.Client.call(Client.java:691)

... 4 more

2011-04-19 01:11:33,728 INFO org.apache.hadoop.mapred.TaskRunner: Task 'attempt\_201104190103\_0002\_r\_000442\_0' done.