[MAPREDUCE-5512](https://www.google.com/url?q=https://issues.apache.org/jira/browse/MAPREDUCE-5512&sa=D&source=editors&ust=1751357742746117&usg=AOvVaw10sMCqaHANGhs8iRcg1FPD)

TaskTracker hung after failed reconnect to the JobTracker

**(1)  Log information**

**(1.1) Roles in this case**

 TaskTracker(TT): slave (client-side)             JobTracker(JT): master (server-side)

(1.2) Symptoms  (based on TT’s logs)

✦         2013-09-08 04:20:48,441 ERROR org.apache.hadoop.mapred.TaskTracker: Caught exception: java.io.IOException: Call to jobtrackerhost/100.70.178.36:9010 failed on local exception: java.io.IOException: An existing connection was forcibly closed by the remote host

             at org.apache.hadoop.ipc.Client.wrapException(Client.java:1155)

             at org.apache.hadoop.ipc.Client.call(Client.java:1123)

             at org.apache.hadoop.ipc.RPC$Invoker.invoke(RPC.java:229)

             at org.apache.hadoop.mapred.$Proxy5.heartbeat(Unknown Source)

             at org.apache.hadoop.mapred.TaskTracker.transmitHeartBeat(TaskTracker.java:2038)

             at org.apache.hadoop.mapred.TaskTracker.offerService(TaskTracker.java:1832)

             at org.apache.hadoop.mapred.TaskTracker.run(TaskTracker.java:2685)

             at org.apache.hadoop.mapred.TaskTracker.main(TaskTracker.java:3950)

Caused by: java.io.IOException: An existing connection was forcibly closed by the remote host

             at sun.nio.ch.SocketDispatcher.read0(Native Method)

             at sun.nio.ch.SocketDispatcher.read(SocketDispatcher.java:43)

             at sun.nio.ch.IOUtil.readIntoNativeBuffer(IOUtil.java:225)

             at sun.nio.ch.IOUtil.read(IOUtil.java:198)

             at sun.nio.ch.SocketChannelImpl.read(SocketChannelImpl.java:359)

             at org.apache.hadoop.net.SocketInputStream$Reader.performIO(SocketInputStream.java:55)

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

             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:133)

             at org.apache.hadoop.ipc.Client$Connection$PingInputStream.read(Client.java:370)

             at java.io.BufferedInputStream.fill(BufferedInputStream.java:235)

             at java.io.BufferedInputStream.read(BufferedInputStream.java:254)

             at java.io.DataInputStream.readInt(DataInputStream.java:387)

             at org.apache.hadoop.ipc.Client$Connection.receiveResponse(Client.java:852)

             at org.apache.hadoop.ipc.Client$Connection.run(Client.java:797)

✦          2013-09-08 04:20:48,441 INFO org.apache.hadoop.mapred.TaskTracker: Resending 'status' to 'jobtrackerhost' with reponseId ‘-27775’”

          (if the last heartbeat got through, resend the previous status information)

✦    2013-09-08 04:21:09,454 INFO org.apache.hadoop.ipc.Client: Retrying connect to server: jobtrackerhost/100.70.178.36:9010. Already tried 0 time(s); maxRetries=45

        ...

       2013-09-08 04:22:12,490 INFO org.apache.hadoop.ipc.Client: Retrying connect to server: jobtrackerhost/100.70.178.36:9010. Already tried 3 time(s); maxRetries=45

✦    2013-09-08 04:22:21,723 INFO org.apache.hadoop.mapred.TaskTracker: Recieved ReinitTrackerAction from JobTracker                  (now, TT: State.STALE)

✦    2013-09-08 04:22:21,801 INFO org.apache.hadoop.filecache.TrackerDistributedCacheManager: Cleanup...

             java.lang.InterruptedException: sleep interrupted

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

at org.apache.hadoop.filecache.TrackerDistributedCacheManager$CleanupThread.run (TrackerDistributedCacheManager.java:1038)

✦    2013-09-08 04:22:21,801 INFO org.apache.hadoop.mapred.TaskTracker: Shutting down: Map-events fetcher for all reduce tasks on tracker\_workernode0:127.0.0.1/127.0.0.1:63692

             2013-09-08 04:22:21,801 INFO org.apache.hadoop.ipc.Server: Stopping server on 63692

             ...

✦    2013-09-08 04:22:21,801 WARN org.apache.hadoop.mapred.TaskTracker: Reinitializing local state

             2013-09-08 04:22:21,833 INFO org.apache.hadoop.mapred.TaskTracker: Starting tasktracker with owner as hdp

             2013-09-08 04:22:21,833 INFO org.apache.hadoop.mapred.TaskTracker: Good mapred local directories are: c:\hdfs\mapred\local

             ...

             2013-09-08 04:22:21,833 INFO org.apache.hadoop.ipc.Server: IPC Server handler 0 on 63692: exiting

             ...

             2013-09-08 04:22:21,833 INFO org.apache.hadoop.ipc.Server: IPC Server handler 2 on 63692: exiting

             ...

✦    2013-09-08 04:22:21,864 INFO org.apache.hadoop.mapred.TaskTracker: TaskTracker up at: 127.0.0.1/127.0.0.1:62593

✦    2013-09-08 04:22:21,864 INFO org.apache.hadoop.mapred.TaskTracker: Starting tracker tracker\_workernode0:127.0.0.1/127.0.0.1:62593         (Then initialize DistributedCache)

             2013-09-08 04:22:21,864 INFO org.apache.hadoop.ipc.Server: IPC Server Responder: starting

             ...

✦    2013-09-08 04:22:22,208 ERROR org.apache.hadoop.security.UserGroupInformation: PriviledgedActionException as:hdp cause:java.io.IOException: Call to jobtrackerhost/100.70.178.36:9010 failed on local exception: java.io.IOException: An existing connection was forcibly closed by the remote host

             2013-09-08 04:22:22,223 ERROR org.apache.hadoop.mapred.TaskTracker: Got fatal exception while reinitializing TaskTracker: java.io.IOException: Call to jobtrackerhost/100.70.178.36:9010 failed on local exception: java.io.IOException: An existing connection was forcibly closed by the remote host

                               at org.apache.hadoop.ipc.Client.wrapException(Client.java:1155)

                               at org.apache.hadoop.ipc.Client.call(Client.java:1123)

                               at org.apache.hadoop.ipc.RPC$Invoker.invoke(RPC.java:229)

                               at org.apache.hadoop.mapred.$Proxy5.getProtocolVersion(Unknown Source)

                               at org.apache.hadoop.ipc.RPC.checkVersion(RPC.java:422)

                               at org.apache.hadoop.ipc.RPC.getProxy(RPC.java:414)

                               at org.apache.hadoop.ipc.RPC.getProxy(RPC.java:392)

                               at org.apache.hadoop.ipc.RPC.getProxy(RPC.java:374)

                               at org.apache.hadoop.ipc.RPC.getProxy(RPC.java:453)

                               at org.apache.hadoop.ipc.RPC.waitForProxy(RPC.java:335)

                               at org.apache.hadoop.ipc.RPC.waitForProxy(RPC.java:300)

                               at org.apache.hadoop.mapred.TaskTracker$3.run(TaskTracker.java:916)

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

                               at javax.security.auth.Subject.doAs(Subject.java:415)

                               at org.apache.hadoop.security.UserGroupInformation.doAs(UserGroupInformation.java:1233)

                               at org.apache.hadoop.mapred.TaskTracker.initialize(TaskTracker.java:912)

                               at org.apache.hadoop.mapred.TaskTracker.run(TaskTracker.java:2713)

                               at org.apache.hadoop.mapred.TaskTracker.main(TaskTracker.java:3950)

             Caused by: java.io.IOException: An existing connection was forcibly closed by the remote host

                               at sun.nio.ch.SocketDispatcher.read0(Native Method)

                               at sun.nio.ch.SocketDispatcher.read(SocketDispatcher.java:43)

                               at sun.nio.ch.IOUtil.readIntoNativeBuffer(IOUtil.java:225)

                               at sun.nio.ch.IOUtil.read(IOUtil.java:198)

                               at sun.nio.ch.SocketChannelImpl.read(SocketChannelImpl.java:359)

                               at org.apache.hadoop.net.SocketInputStream$Reader.performIO(SocketInputStream.java:55)

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

                               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:133)

                               at org.apache.hadoop.ipc.Client$Connection$PingInputStream.read(Client.java:370)

                               at java.io.BufferedInputStream.fill(BufferedInputStream.java:235)

                               at java.io.BufferedInputStream.read(BufferedInputStream.java:254)

                               at java.io.DataInputStream.readInt(DataInputStream.java:387)

                               at org.apache.hadoop.ipc.Client$Connection.receiveResponse(Client.java:852)

                               at org.apache.hadoop.ipc.Client$Connection.run(Client.java:797)