[MAPREDUCE-2953](https://www.google.com/url?q=https://issues.apache.org/jira/browse/MAPREDUCE-2953&sa=D&source=editors&ust=1751358337754420&usg=AOvVaw2deyeXqmAqvyRfCgC9Iopo)

JobClient fails due to a race in RM, removes staged files and in turn crashes MR AM

**(1)  Log information**

**(1.1) Roles in this case**

JobClient: client side   RM:server side

**(1.2) Symptoms**

MR JobClient crashes immediately. Client’s log is as follows:

11/09/08 10:52:35 INFO mapreduce.**JobSubmitter**: number of splits:2094

11/09/08 10:52:36 INFO mapred.YARNRunner: AppMaster capability = memory: 2048,

11/09/08 10:52:36 INFO mapred.YARNRunner: Command to launch container for ApplicationMaster is : $JAVA\_HOME/bin/java -Dhadoop.root.logger=INFO,console -Xmx1536m org.apache.hadoop.mapreduce.v2.app.MRAppMaster 1315478927026 1 <FAILCOUNT> 1><LOG\_DIR>/stdout 2><LOG\_DIR>/stderr

11/09/08 10:52:36 INFO mapred.ResourceMgrDelegate: Submitted application application\_1315478927026\_1 to ResourceManager

11/09/08 10:52:36 INFO mapreduce.JobSubmitter: Cleaning up the staging area /user/gridperf/.staging/job\_1315478927026\_0001

RemoteTrace:

 at Local Trace:

        org.apache.hadoop.yarn.exceptions.impl.pb.YarnRemoteExceptionPBImpl: failed to run job

            at org.apache.hadoop.yarn.factories.impl.pb.YarnRemoteExceptionFactoryPBImpl.createYarnRemoteException(YarnRemoteExceptionFactoryPBImpl.java:39)

            at org.apache.hadoop.yarn.ipc.RPCUtil.getRemoteException(RPCUtil.java:47)

            at org.apache.hadoop.mapred.YARNRunner.submitJob(YARNRunner.java:250)

            at org.apache.hadoop.mapreduce.JobSubmitter.submitJobInternal(JobSubmitter.java:377)

            at org.apache.hadoop.mapreduce.Job$2.run(Job.java:1072)

            at org.apache.hadoop.mapreduce.Job$2.run(Job.java:1069)

            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.mapreduce.Job.submit(Job.java:1069)

            at org.apache.hadoop.mapreduce.Job.waitForCompletion(Job.java:1089)

            at org.apache.hadoop.examples.RandomWriter.run(RandomWriter.java:283)

            at org.apache.hadoop.util.ToolRunner.run(ToolRunner.java:69)

            at org.apache.hadoop.examples.**RandomWriter**.main(RandomWriter.java:294)

            at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)

            at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39)

            at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)

            at java.lang.reflect.Method.invoke(Method.java:597)

            at org.apache.hadoop.util.ProgramDriver$ProgramDescription.invoke(ProgramDriver.java:72)

            at org.apache.hadoop.util.ProgramDriver.driver(ProgramDriver.java:144)

            at org.apache.hadoop.examples.ExampleDriver.main(ExampleDriver.java:68)

            at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)

            at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39)

            at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)

            at java.lang.reflect.Method.invoke(Method.java:597)

            at org.apache.hadoop.util.RunJar.main(RunJar.java:189)