[MAPREDUCE-5169](https://www.google.com/url?q=https://issues.apache.org/jira/browse/MAPREDUCE-5169&sa=D&source=editors&ust=1751358309009531&usg=AOvVaw14zItHEEDX6mgPJbrjnJE5)

Job recovery fails if job tracker is restarted after the job is submitted but before its initialized

**(1)  Log information**

**(1.1) Roles in this case**

 JobClient:(client-side)                                JobTracker(JT): (server-side)

**(1.2) Symptoms**

(JobClient logs)

✦         When the job begins to run, the exception occurs.

13/04/17 22:04:11 INFO mapred.JobClient: Running job: job\_201304172049\_0008

13/04/17 22:04:12 INFO mapred.JobClient:  map 0% reduce 0%

13/04/17 22:04:32 INFO ipc.Client: Retrying connect to server: host:50300. Already tried 0 time(s); retry policy is MultipleLinearRandomRetry[6x10000ms, 10x60000ms]50300

java.io.IOException: The job appears to have been removed.

at org.apache.hadoop.mapred.JobClient$NetworkedJob.updateStatus(JobClient.java:241)

at org.apache.hadoop.mapred.JobClient$NetworkedJob.isComplete(JobClient.java:321)

at org.apache.hadoop.mapred.JobClient.monitorAndPrintJob(JobClient.java:1382)

at org.apache.hadoop.mapreduce.Job.waitForCompletion(Job.java:583)

at org.apache.hadoop.examples.WordCount.main(WordCount.java:82)

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:68)

at org.apache.hadoop.util.ProgramDriver.driver(ProgramDriver.java:139)

at org.apache.hadoop.examples.ExampleDriver.main(ExampleDriver.java:64)

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:160)

(JobTracker logs)

✦     When the client submitted the job to JT, JT submitted the job to CapacityScheduler’s listener “JobQueuesManager”, and added the job into the waiting queue, then the job will be initialized by thread “initializationPoller”.

2013-04-17 22:04:11,305 INFO org.apache.hadoop.mapred.JobInProgress: job\_201304172049\_0008: nMaps=180 nReduces=1 max=-1           checkTaskLimits()

2013-04-17 22:04:11,357 INFO org.apache.hadoop.mapred.JobQueuesManager: Job job\_201304172049\_0008 submitted to queue default   JobQueuesManager.jobAdded()

2013-04-17 22:04:11,357 INFO org.apache.hadoop.mapred.JobTracker: Job job\_201304172049\_0008 added successfully for user 'hrt\_qa' to queue 'default'  JobStatus addJob(JobID jobId, JobInProgress job):  Add a job to the jobtracker. This is the main logic of job submission.

2013-04-17 22:04:14,268 INFO org.apache.hadoop.mapred.JobInitializationPoller: Passing to Initializer Job Id :job\_201304172049\_0008 User: user Queue : default   Print log statements about which jobs are being passed to init-threads.

2013-04-17 22:04:15,181 INFO org.apache.hadoop.mapred.JobTracker: SHUTDOWN\_MSG:

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

SHUTDOWN\_MSG: Shutting down JobTracker at

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2013-04-17 22:04:15,204 INFO org.apache.hadoop.mapred.JobInitializationPoller: Initializing job : job\_201304172049\_0008 in Queue default For user : user

2013-04-17 22:04:15,204 INFO org.apache.hadoop.mapred.JobTracker: Initializing job\_201304172049\_0008

2013-04-17 22:04:15,204 INFO org.apache.hadoop.mapred.JobInProgress: Initializing job\_201304172049\_0008

2013-04-17 22:04:30,900 INFO org.apache.hadoop.mapred.JobTracker: STARTUP\_MSG:

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

STARTUP\_MSG: Starting JobTracker

STARTUP\_MSG:   host =

STARTUP\_MSG:   args = []

STARTUP\_MSG:   version =

STARTUP\_MSG:   build =

STARTUP\_MSG:   java = 1.6.0\_31

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...

2013-04-17 22:04:31,862 WARN org.apache.hadoop.mapred.JobTracker: Job job\_201304172049\_0008 does not have valid info/token file so ignoring for recovery    isJobDirValid(JobID jobId)