[MAPREDUCE-2998](https://www.google.com/url?q=https://issues.apache.org/jira/browse/MAPREDUCE-2998&sa=D&source=editors&ust=1751358334918691&usg=AOvVaw1mI_Jtu1f1RpW_UZ_tMaoj)

Failing to contact Am/History for jobs: java.io.EOFException in DataInputStream

**(1)  Log information**

**(1.1) Roles in this case**

AM: server side          JobClient: client side

**(1.2) Symptoms**

“I am getting an exception frequently when running my jobs on a single-node cluster. It happens with basically any job I run: sometimes the job will work, but most of the time I get this exception (in this case, I was running a simple wordcount from the examples jar - where I got the exception 4 times in a row, and then the job worked the fifth time I submitted it).”

11/09/12 17:17:50 INFO mapred.YARNRunner: AppMaster capability = memory: 2048,

11/09/12 17:17:51 INFO mapred.YARNRunner: Command to launch container for ApplicationMaster is : $JAVA\_HOME/bin/java -Dhadoop.root.logger=DEBUG,console -Xmx1536m org.apache.hadoop.mapreduce.v2.app.MRAppMaster 1315847180566 6 <FAILCOUNT> 1><LOG\_DIR>/stdout 2><LOG\_DIR>/stderr

11/09/12 17:17:51 INFO mapred.ResourceMgrDelegate: Submitted application application\_1315847180566\_6 to ResourceManager

11/09/12 17:17:51 INFO mapred.ClientCache: Connecting to HistoryServer at: 0.0.0.0:10020

11/09/12 17:17:51 INFO ipc.YarnRPC: Creating YarnRPC for org.apache.hadoop.yarn.ipc.HadoopYarnProtoRPC

11/09/12 17:17:51 INFO mapred.ClientCache: Connected to HistoryServer at: 0.0.0.0:10020

11/09/12 17:17:51 INFO ipc.HadoopYarnRPC: Creating a HadoopYarnProtoRpc proxy for protocol interface org.apache.hadoop.mapreduce.v2.api.MRClientProtocol

11/09/12 17:17:51 INFO mapreduce.Job: Running job: job\_1315847180566\_0006

11/09/12 17:17:52 INFO mapreduce.Job: map 0% reduce 0%

11/09/12 17:18:00 INFO mapred.ClientServiceDelegate: Tracking Url of JOB is <IP-ADDRESS>:55361

11/09/12 17:18:00 INFO mapred.ClientServiceDelegate: Connecting to <IP-ADDRESS>:43465

11/09/12 17:18:00 INFO ipc.YarnRPC: Creating YarnRPC for org.apache.hadoop.yarn.ipc.HadoopYarnProtoRPC

11/09/12 17:18:00 INFO ipc.HadoopYarnRPC: Creating a HadoopYarnProtoRpc proxy for protocol interface org.apache.hadoop.mapreduce.v2.api.MRClientProtocol             **MRClientProtocol is used for the communication between client and AM**

11/09/12 17:18:01 INFO mapred.ClientServiceDelegate: Failed to contact AM/History for job job\_1315847180566\_0006 Will retry..

java.lang.reflect.UndeclaredThrowableException

at org.apache.hadoop.mapreduce.v2.api.impl.pb.client.MRClientProtocolPBClientImpl.getTaskAttemptCompletionEvents(MRClientProtocolPBClientImpl.java:179)

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.mapred.ClientServiceDelegate.invoke(ClientServiceDelegate.java:237)

at org.apache.hadoop.mapred.ClientServiceDelegate.getTaskCompletionEvents(ClientServiceDelegate.java:276)

at org.apache.hadoop.mapred.YARNRunner.getTaskCompletionEvents(YARNRunner.java:547)

at org.apache.hadoop.mapreduce.Job.getTaskCompletionEvents(Job.java:540)

at org.apache.hadoop.mapreduce.Job.monitorAndPrintJob(Job.java:1144)

at org.apache.hadoop.mapreduce.Job.waitForCompletion(Job.java:1092)

at org.apache.hadoop.examples.WordCount.main(WordCount.java:84)

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)

**Caused by**: com.google.protobuf.ServiceException: java.io.IOException: Call to /<IP-ADDRESS>:43465 failed on local exception: java.io.EOFException

at org.apache.hadoop.yarn.ipc.ProtoOverHadoopRpcEngine$Invoker.invoke(ProtoOverHadoopRpcEngine.java:139)

at $Proxy8.getTaskAttemptCompletionEvents(Unknown Source)

at org.apache.hadoop.mapreduce.v2.api.impl.pb.client.MRClientProtocolPBClientImpl.getTaskAttemptCompletionEvents(MRClientProtocolPBClientImpl.java:172)

... 23 more

**Caused by**: java.io.IOException: Call to /<IP-ADDRESS>:43465 failed on local exception: java.io.EOFException

at org.apache.hadoop.ipc.Client.wrapException(Client.java:1119)

at org.apache.hadoop.ipc.Client.call(Client.java:1087)

at org.apache.hadoop.yarn.ipc.ProtoOverHadoopRpcEngine$Invoker.invoke(ProtoOverHadoopRpcEngine.java:136)

... 25 more

**Caused by**: java.io.EOFException

at java.io.DataInputStream.readInt(DataInputStream.java:375)

at org.apache.hadoop.ipc.Client$Connection.receiveResponse(Client.java:816)

at org.apache.hadoop.ipc.Client$Connection.run(Client.java:754)

11/09/12 17:18:01 INFO mapreduce.Job: Job job\_1315847180566\_0006 failed with state FAILED

11/09/12 17:18:01 INFO mapreduce.Job: Counters: 0

java.lang.reflect.UndeclaredThrowableException

at org.apache.hadoop.mapreduce.v2.api.impl.pb.client.MRClientProtocolPBClientImpl.getTaskAttemptCompletionEvents(MRClientProtocolPBClientImpl.java:179)

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.mapred.ClientServiceDelegate.invoke(ClientServiceDelegate.java:237)

at org.apache.hadoop.mapred.ClientServiceDelegate.getTaskCompletionEvents(ClientServiceDelegate.java:276)

at org.apache.hadoop.mapred.YARNRunner.getTaskCompletionEvents(YARNRunner.java:546)

at org.apache.hadoop.mapreduce.Job.getTaskCompletionEvents(Job.java:540)

at org.apache.hadoop.mapreduce.Job.monitorAndPrintJob(Job.java:1144)

at org.apache.hadoop.mapreduce.Job.waitForCompletion(Job.java:1092)

at org.apache.hadoop.examples.WordCount.main(WordCount.java:84)

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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)

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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)

Caused by: com.google.protobuf.ServiceException: java.net.ConnectException: Call to <HOSTNAME>/<IP-ADDRESS>:50862 failed on connection exception: java.net.ConnectException: Connection refused

at org.apache.hadoop.yarn.ipc.ProtoOverHadoopRpcEngine$Invoker.invoke(ProtoOverHadoopRpcEngine.java:139)

at $Proxy8.getTaskAttemptCompletionEvents(Unknown Source)

at org.apache.hadoop.mapreduce.v2.api.impl.pb.client.MRClientProtocolPBClientImpl.getTaskAttemptCompletionEvents(MRClientProtocolPBClientImpl.java:172)

... 23 more

Caused by: java.net.ConnectException: Call to <HOSTNAME>/<IP-ADDRESS>:50862 failed on connection exception: java.net.ConnectException: Connection refused

at org.apache.hadoop.ipc.Client.wrapException(Client.java:1111)

at org.apache.hadoop.ipc.Client.call(Client.java:1087)

at org.apache.hadoop.yarn.ipc.ProtoOverHadoopRpcEngine$Invoker.invoke(ProtoOverHadoopRpcEngine.java:136)

... 25 more

Caused by: java.net.ConnectException: Connection refused

at sun.nio.ch.SocketChannelImpl.checkConnect(Native Method)

at sun.nio.ch.SocketChannelImpl.finishConnect(SocketChannelImpl.java:574)

at org.apache.hadoop.net.SocketIOWithTimeout.connect(SocketIOWithTimeout.java:206)

at org.apache.hadoop.net.NetUtils.connect(NetUtils.java:376)

at org.apache.hadoop.ipc.Client$Connection.setupConnection(Client.java:459)

at org.apache.hadoop.ipc.Client$Connection.setupIOstreams(Client.java:556)

at org.apache.hadoop.ipc.Client$Connection.access$2000(Client.java:207)

at org.apache.hadoop.ipc.Client.getConnection(Client.java:1220)

at org.apache.hadoop.ipc.Client.call(Client.java:1064)

... 26 more

11/09/13 20:13:01 INFO mapreduce.Job: Job job\_1315941172309\_0006 failed with state FAILED

11/09/13 20:13:01 INFO mapreduce.Job: Counters: 0

11/09/14 23:51:50 WARN conf.Configuration: mapred.used.genericoptionsparser is deprecated.

11/09/15 12:46:51 WARN monitor.ContainersMonitorImpl: Container [pid=22125,containerID=container\_1316090748961\_0001\_01\_000001] is running beyond memory-limits. Current usage : 2150408192bytes. Limit : 2147483648bytes. Killing container.