[MAPREDUCE-3333](https://www.google.com/url?q=https://issues.apache.org/jira/browse/MAPREDUCE-3333&sa=D&source=editors&ust=1751358313726142&usg=AOvVaw3A5bqWWvVHoXrychlopstH)

MR AM for sort-job going out of memory

**(1)  Log information**

**(1.1) Roles in this case**

AM (client-side)   NM (server-side)

**(1.2) Symptoms**

Description:  “The usual sort job on a 350 node cluster hung due to OutOfMemory and eventually failed after an hour instead of the usual odd 20 minutes.”

 (based on AM logs)   The error shows “container launch failed”.

2011-11-02 11:40:36,438 ERROR [ContainerLauncher #258] org.apache.hadoop.mapreduce.v2.app.launcher.ContainerLauncherImpl: Container launch failed for container\_1320233407485\_0002

\_01\_001434 : java.lang.reflect.UndeclaredThrowableException

            at org.apache.hadoop.yarn.api.impl.pb.client.ContainerManagerPBClientImpl.startContainer(ContainerManagerPBClientImpl.java:88)

            at org.apache.hadoop.mapreduce.v2.app.launcher.ContainerLauncherImpl$EventProcessor.run(ContainerLauncherImpl.java:290)

            at java.util.concurrent.ThreadPoolExecutor$Worker.runTask(ThreadPoolExecutor.java:886)

            at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:908)

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

Caused by: com.google.protobuf.ServiceException: java.io.IOException: Failed on local exception: java.io.IOException: Couldn't set up IO streams; Host Details : local host is: "gsbl91281.blue.ygrid.yahoo.com/98.137.101.189"; destination host is: ""gsbl91525.blue.ygrid.yahoo.com":45450;

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

            at $Proxy20.startContainer(Unknown Source)

            at org.apache.hadoop.yarn.api.impl.pb.client.ContainerManagerPBClientImpl.startContainer(ContainerManagerPBClientImpl.java:81)

            ... 4 more

Caused by: java.io.IOException: Failed on local exception: java.io.IOException: Couldn't set up IO streams; Host Details : local host is: "gsbl91281.blue.ygrid.yahoo.com/98.137.101.189"; destination host is: ""gsbl91525.blue.ygrid.yahoo.com":45450;

            at org.apache.hadoop.net.NetUtils.wrapException(NetUtils.java:655)

            at org.apache.hadoop.ipc.Client.call(Client.java:1089)

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

            ... 6 more

Caused by: java.io.IOException: Couldn't set up IO streams

            at org.apache.hadoop.ipc.Client$Connection.setupIOstreams(Client.java:621)

            at org.apache.hadoop.ipc.Client$Connection.access$2000(Client.java:205)

            at org.apache.hadoop.ipc.Client.getConnection(Client.java:1195)

            at org.apache.hadoop.ipc.Client.call(Client.java:1065)

            ... 7 more

Caused by: java.lang.OutOfMemoryError: unable to create new native thread

            at java.lang.Thread.start0(Native Method)

            at java.lang.Thread.start(Thread.java:597)

            at org.apache.hadoop.ipc.Client$Connection.setupIOstreams(Client.java:614)

            ... 10 more