[MAPREDUCE-3070](https://www.google.com/url?q=https://issues.apache.org/jira/browse/MAPREDUCE-3070&sa=D&source=editors&ust=1751358326790708&usg=AOvVaw02WynZN7cF5GTtGAZ4du4y)

NM not able to register with RM after NM restart

**(1)  Log information**

**(1.1) Roles in this case**

NodeManager(NM): client side    ResourceManager(RM): server side

**(1.2) Symptoms**

After stopping NM gracefully then starting NM, NM registration fails with RM with “Duplicate registration from the node” error.

2011-09-23 01:50:46,705 FATAL nodemanager.NodeManager (NodeManager.java:main(204)) - Error starting NodeManager

org.apache.hadoop.yarn.YarnException: Failed to Start org.apache.hadoop.yarn.server.nodemanager.NodeManager

  at org.apache.hadoop.yarn.service.CompositeService.start(CompositeService.java:78)

  at org.apache.hadoop.yarn.server.nodemanager.NodeManager.start(NodeManager.java:153)

  at org.apache.hadoop.yarn.server.nodemanager.NodeManager.main(NodeManager.java:202)

**Caused by**: org.apache.avro.AvroRuntimeException: org.apache.hadoop.yarn.exceptions.impl.pb.YarnRemoteExceptionPBImpl: Duplicate registration from the node!

  at org.apache.hadoop.yarn.server.nodemanager.NodeStatusUpdaterImpl.start(NodeStatusUpdaterImpl.java:141)

  at org.apache.hadoop.yarn.service.CompositeService.start(CompositeService.java:68)

  ... 2 more

**Caused by**: org.apache.hadoop.yarn.exceptions.impl.pb.YarnRemoteExceptionPBImpl: Duplicate registration from the node!

  at org.apache.hadoop.yarn.ipc.ProtoOverHadoopRpcEngine$Invoker.invoke(ProtoOverHadoopRpcEngine.java:142)

  at $Proxy13.registerNodeManager(Unknown Source)

  at org.apache.hadoop.yarn.server.api.impl.pb.client.**ResourceTrackerPBClientImpl**.registerNodeManager(ResourceTrackerPBClientImpl.java:59)            **NM-side implementation of this method**

  at org.apache.hadoop.yarn.server.nodemanager.NodeStatusUpdaterImpl.registerWithRM(NodeStatusUpdaterImpl.java:175)

  at org.apache.hadoop.yarn.server.nodemanager.NodeStatusUpdaterImpl.start(NodeStatusUpdaterImpl.java:137)

  ... 3 more