[HBase-5063](https://www.google.com/url?q=https://issues.apache.org/jira/browse/HBASE-5063&sa=D&source=editors&ust=1751362956131256&usg=AOvVaw3I8_A-8h5ISsv6hBoZtI9o)

RegionServers fail to report to backup HMaster after primary goes down

**(1)  Log information**

**(1.1) Roles in this case**

HMaster1 (old HM)       HMaster2 (new HM, backup master)           RegionServers        report to   HMaster

**(1.2) Symptoms**

Description:

“1. Setup cluster with two HMasters

2. Observe that HM1 is up and that all RSs are in the RegionServer list on web page.

3. Kill (not even -9) the active HMaster

4. Wait for ZK to time out (default 3 minutes).

5. Observe that HM2 is now active. Tables may show up but RegionServers never report on web page. Existing connections are fine. New connections cannot find regionservers.”

“Here's the exception – unfortunately it doesn't say which master it is unable to connect to.”

11/12/17 18:50:24 WARN regionserver.HRegionServer: Unable to connect to master. Retrying. Error was:

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:408)

            at org.apache.hadoop.hbase.ipc.HBaseClient$Connection.setupConnection(HBaseClient.java:328)

            at org.apache.hadoop.hbase.ipc.HBaseClient$Connection.setupIOstreams(HBaseClient.java:362)

            at org.apache.hadoop.hbase.ipc.HBaseClient.getConnection(HBaseClient.java:1024)

            at org.apache.hadoop.hbase.ipc.HBaseClient.call(HBaseClient.java:876)

            at org.apache.hadoop.hbase.ipc.WritableRpcEngine$Invoker.invoke(WritableRpcEngine.java:150)

            at $Proxy8.getProtocolVersion(Unknown Source)

            at org.apache.hadoop.hbase.ipc.WritableRpcEngine.getProxy(WritableRpcEngine.java:183)

            at org.apache.hadoop.hbase.ipc.HBaseRPC.getProxy(HBaseRPC.java:303)

            at org.apache.hadoop.hbase.ipc.HBaseRPC.getProxy(HBaseRPC.java:280)

            at org.apache.hadoop.hbase.ipc.HBaseRPC.getProxy(HBaseRPC.java:332)

            at org.apache.hadoop.hbase.ipc.HBaseRPC.waitForProxy(HBaseRPC.java:236)

            at org.apache.hadoop.hbase.regionserver.HRegionServer.**getMaster**(HRegionServer.java:1616)

            at org.apache.hadoop.hbase.regionserver.HRegionServer.tryRegionServerReport(HRegionServer.java:787)

            at org.apache.hadoop.hbase.regionserver.HRegionServer.run(HRegionServer.java:674)

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

“Note:

·           If we replace a new HM1 in the same place and kill HM2, the cluster functions normally again after recovery. This sees to indicate that regionservers are stuck trying to talk to the old HM1.”