[HBase-8519](https://www.google.com/url?q=https://issues.apache.org/jira/browse/HBASE-8519&sa=D&source=editors&ust=1751359856900871&usg=AOvVaw22YfKZTqK_ZCZBIfLNsp6z)

Backup master will never come up if primary master dies during initialization

**(1)  Log information**

**(1.1) Roles in this case**

Backup HMaster   takes over   primary HMaster

**(1.2) Symptoms**

“The problem happens if primary master dies after becoming master but before it completes initialization and calls clusterStatusTracker.setClusterUp(). The backup master will try to become the master, but will shutdown itself promptly because it sees 'the cluster is not up'.”

Backup master log:

2013-05-09 15:08:05,568 INFO org.apache.hadoop.hbase.master.metrics.MasterMetrics: Initialized

2013-05-09 15:08:05,573 DEBUG org.apache.hadoop.hbase.master.HMaster: HMaster started in backup mode. Stalling until master znode is written.

2013-05-09 15:08:05,589 INFO org.apache.hadoop.hbase.zookeeper.RecoverableZooKeeper: Node /hbase/master already exists and this is not a retry

2013-05-09 15:08:05,590 INFO org.apache.hadoop.hbase.master.ActiveMasterManager: Adding ZNode for /hbase/backup-masters/xxx.com,60000,1368137285373 in backup master directory

2013-05-09 15:08:05,595 INFO org.apache.hadoop.hbase.master.ActiveMasterManager: Another master is the active master, xxx.com,60000,1368137283107; waiting to become the next active master          **Currently, the cluster does have an active master, so the backup master is waiting.**

2013-05-09 15:09:45,006 DEBUG org.apache.hadoop.hbase.master.ActiveMasterManager: No master available. Notifying waiting threads                  **Cluster does not have an active master now, then it will notify any thread waiting to become the active master.**

2013-05-09 15:09:45,006 INFO org.apache.hadoop.hbase.master.HMaster: Cluster went down before this master became active                **After this, the backup master will shut down.**

2013-05-09 15:09:45,006 DEBUG org.apache.hadoop.hbase.master.HMaster: Stopping service threads

2013-05-09 15:09:45,006 INFO org.apache.hadoop.ipc.HBaseServer: Stopping server on 60000

2013-05-10 18:20:17,690 INFO org.apache.hadoop.hbase.master.metrics.MasterMetrics: Initialized

2013-05-10 18:20:17,704 INFO org.apache.hadoop.hbase.zookeeper.RecoverableZooKeeper: Node /hbase/master already exists and this is not a retry

2013-05-10 18:20:17,705 INFO org.apache.hadoop.hbase.master.ActiveMasterManager: Adding ZNode for /hbase/backup-masters/xxx.com,60000,1368235217501 in backup master directory

2013-05-10 18:20:17,711 INFO org.apache.hadoop.hbase.master.ActiveMasterManager: Current master has this master's address, xxx.com,60000,1368234912934; master was restarted? Deleting node.

2013-05-10 18:20:17,711 DEBUG org.apache.hadoop.hbase.master.ActiveMasterManager: No master available. Notifying waiting threads

2013-05-10 18:20:17,711 INFO org.apache.hadoop.hbase.master.HMaster: Cluster went down before this master became active

2013-05-10 18:20:17,711 DEBUG org.apache.hadoop.hbase.master.HMaster: Stopping service threads