[MAPREDUCE-3531](https://www.google.com/url?q=https://issues.apache.org/jira/browse/MAPREDUCE-3531&sa=D&source=editors&ust=1751358345016328&usg=AOvVaw33iyM6uPE4laCK2ECpdwlo)

Sometimes java.lang.IllegalArgumentException: Invalid key to HMAC computation in NODE\_UPDATE also causing RM to stop scheduling

**(1)  Log information**

Started 350 cluster. Submmited large sleep job.

Found that job was not running as RM has not allocated resouces to it.

The following log comes from RM.

2011-12-01 11:56:25,200 INFO org.apache.hadoop.yarn.server.resourcemanager.scheduler.capacity.CapacityScheduler: nodeUpdate: <NMHost>:48490 clusterResources: memory: 3225600

2011-12-01 11:56:25,202 ERROR org.apache.hadoop.yarn.server.resourcemanager.ResourceManager: Error in handling event

type NODE\_UPDATE to the scheduler

java.lang.IllegalArgumentException: Invalid key to HMAC computation

        at org.apache.hadoop.security.token.SecretManager.createPassword(SecretManager.java:141)

        at org.apache.hadoop.yarn.server.security.ContainerTokenSecretManager.createPassword(ContainerTokenSecretManager.java:61)

        atorg.apache.hadoop.yarn.server.resourcemanager.scheduler.capacity.LeafQueue.createContainer(LeafQueue.java:1108)

        at org.apache.hadoop.yarn.server.resourcemanager.scheduler.capacity.LeafQueue.getContainer(LeafQueue.java:1091)

        at org.apache.hadoop.yarn.server.resourcemanager.scheduler.capacity.LeafQueue.assignContainer(LeafQueue.java:1137)

        at org.apache.hadoop.yarn.server.resourcemanager.scheduler.capacity.LeafQueue.assignNodeLocalContainers(LeafQueue.java:1001)

        at org.apache.hadoop.yarn.server.resourcemanager.scheduler.capacity.LeafQueue.assignContainersOnNode(LeafQueue.java:973)

        at org.apache.hadoop.yarn.server.resourcemanager.scheduler.capacity.LeafQueue.assignContainers(LeafQueue.java:760)

        at org.apache.hadoop.yarn.server.resourcemanager.scheduler.capacity.ParentQueue.assignContainersToChildQueues(ParentQueue.java:583)

        at org.apache.hadoop.yarn.server.resourcemanager.scheduler.capacity.ParentQueue.assignContainers(ParentQueue.java:513)

        at org.apache.hadoop.yarn.server.resourcemanager.scheduler.capacity.CapacityScheduler.nodeUpdate(CapacityScheduler.java:569)

        at org.apache.hadoop.yarn.server.resourcemanager.scheduler.capacity.CapacityScheduler.handle(CapacityScheduler.java:611)

        at org.apache.hadoop.yarn.server.resourcemanager.scheduler.capacity.CapacityScheduler.handle(CapacityScheduler.java:77)

        at org.apache.hadoop.yarn.server.resourcemanager.ResourceManager$SchedulerEventDispatcher$EventProcessor.run(ResourceManager.java:294)

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

Caused by: java.security.InvalidKeyException: Secret key expected

        at com.sun.crypto.provider.HmacCore.a(DashoA13\*..)

        at com.sun.crypto.provider.HmacSHA1.engineInit(DashoA13\*..)

        at javax.crypto.Mac.init(DashoA13\*..)

        at org.apache.hadoop.security.token.SecretManager.createPassword(SecretManager.java:139)

        ... 14 more