[HDFS-4233](https://www.google.com/url?q=https://issues.apache.org/jira/browse/HDFS-4233&sa=D&source=editors&ust=1751359156498523&usg=AOvVaw0K2cj0DwPTLUhz8IrQ2XCw)

NN keeps serving even after no journals started while rolling edit

**(1)  Log information**

**(1.1) Roles in this case**

SecondaryNameNode (client-side)                NameNode(server-side)

**(1.2) Symptoms**

Description: We've seen NameNode keeps serving even after rollEditLog() failure. Instead of taking a corrective action or regard this condition as FATAL, it keeps on serving and modifying its file system state. No logs are written from this point, so if the namenode is restarted, there will be data loss.

The log provided in this bug report is from NameNode, which shows the rollEditLog() failure.

2012-xx-yy 00:00:00,000 [IPC Server handler 00 on 0000] INFO

org.apache.hadoop.ipc.Server: IPC Server handler 00 on 00000, call:

rollEditLog(), rpc version=1, client version=6, methodsFingerPrint=403308677

from 1.1.1.1:12345, error:

java.io.IOException: Unable to start log segment 12345678: no journals

successfully started.

at org.apache.hadoop.hdfs.server.namenode.FSEditLog.startLogSegment(FSEditLog.java:840)

at org.apache.hadoop.hdfs.server.namenode.FSEditLog.rollEditLog(FSEditLog.java:802)

at org.apache.hadoop.hdfs.server.namenode.FSImage.rollEditLog(FSImage.java:911)

at org.apache.hadoop.hdfs.server.namenode.FSNamesystem.rollEditLog(FSNamesystem.java:3494)

at org.apache.hadoop.hdfs.server.namenode.NameNodeRpcServer.rollEditLog(NameNodeRpcServer.java:644)

at sun.reflect.GeneratedMethodAccessor111.invoke(Unknown Source)

at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)

at java.lang.reflect.Method.invoke(Method.java:597)

at org.apache.hadoop.ipc.WritableRpcEngine$Server.call(WritableRpcEngine.java:394)

at org.apache.hadoop.ipc.Server$Handler$1.run(Server.java:1530)

at org.apache.hadoop.ipc.Server$Handler$1.run(Server.java:1526)

at java.security.AccessController.doPrivileged(Native Method)

at javax.security.auth.Subject.doAs(Subject.java:396)

at org.apache.hadoop.security.UserGroupInformation.doAs(UserGroupInformation.java:1212)

at org.apache.hadoop.ipc.Server$Handler.run(Server.java:1524)

Since no journals successfully started, NameNode cannot record the edit information, so NameNode fails to rollEditLog().