[Cassandra-3712](https://www.google.com/url?q=https://issues.apache.org/jira/browse/CASSANDRA-3712&sa=D&source=editors&ust=1751363606856791&usg=AOvVaw2tqiMuxPPm-CTuPSFxlsP3)

Can't cleanup after I moved a token

**(1)  Log information**

Before cleanup failed, the reporter moved one node's token.

2 nodes in the cluster. Data repartition was bad, tokens were 165[...] and 155[...].

The reporter moved 155 to 075[...], then adjusted to 076[...]. The moves were correctly processed, with no exception.

But then, when doing cleanup, it failed and keeps failing, on both nodes.

nodetool cleanup fails:

$ ./nodetool --host cnode1 cleanup

Error occured during cleanup

java.util.concurrent.ExecutionException: java.lang.AssertionError

at java.util.concurrent.FutureTask$Sync.innerGet(FutureTask.java:222)

at java.util.concurrent.FutureTask.get(FutureTask.java:83)

at org.apache.cassandra.db.compaction.CompactionManager.performAllSSTableOperation(CompactionManager.java:203)

at org.apache.cassandra.db.compaction.CompactionManager.performCleanup(CompactionManager.java:237)

at org.apache.cassandra.db.ColumnFamilyStore.forceCleanup(ColumnFamilyStore.java:958)

at org.apache.cassandra.service.StorageService.forceTableCleanup(StorageService.java:1604)

at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)

at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39)

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

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

at com.sun.jmx.mbeanserver.StandardMBeanIntrospector.invokeM2(StandardMBeanIntrospector.java:93)

at com.sun.jmx.mbeanserver.StandardMBeanIntrospector.invokeM2(StandardMBeanIntrospector.java:27)

at com.sun.jmx.mbeanserver.MBeanIntrospector.invokeM(MBeanIntrospector.java:208)

at com.sun.jmx.mbeanserver.PerInterface.invoke(PerInterface.java:120)

at com.sun.jmx.mbeanserver.MBeanSupport.invoke(MBeanSupport.java:262)

at com.sun.jmx.interceptor.DefaultMBeanServerInterceptor.invoke(DefaultMBeanServerInterceptor.java:836)

at com.sun.jmx.mbeanserver.JmxMBeanServer.invoke(JmxMBeanServer.java:761)

at javax.management.remote.rmi.RMIConnectionImpl.doOperation(RMIConnectionImpl.java:1427)

at javax.management.remote.rmi.RMIConnectionImpl.access$200(RMIConnectionImpl.java:72)

at javax.management.remote.rmi.RMIConnectionImpl$PrivilegedOperation.run(RMIConnectionImpl.java:1265)

at javax.management.remote.rmi.RMIConnectionImpl.doPrivilegedOperation(RMIConnectionImpl.java:1360)

at javax.management.remote.rmi.RMIConnectionImpl.invoke(RMIConnectionImpl.java:788)

at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)

at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39)

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

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

at sun.rmi.server.UnicastServerRef.dispatch(UnicastServerRef.java:305)

at sun.rmi.transport.Transport$1.run(Transport.java:159)

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

at sun.rmi.transport.Transport.serviceCall(Transport.java:155)

at sun.rmi.transport.tcp.TCPTransport.handleMessages(TCPTransport.java:535)

at sun.rmi.transport.tcp.TCPTransport$ConnectionHandler.run0(TCPTransport.java:790)

at sun.rmi.transport.tcp.TCPTransport$ConnectionHandler.run(TCPTransport.java:649)

at java.util.concurrent.ThreadPoolExecutor$Worker.runTask(ThreadPoolExecutor.java:886)

at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:908)

at java.lang.Thread.run(Thread.java:662)

**Caused by**: java.lang.AssertionError

at org.apache.cassandra.db.Memtable.put(Memtable.java:136)

at org.apache.cassandra.db.ColumnFamilyStore.apply(ColumnFamilyStore.java:780)

at org.apache.cassandra.db.index.keys.KeysIndex.deleteColumn(KeysIndex.java:82)

at org.apache.cassandra.db.index.SecondaryIndexManager.deleteFromIndexes(SecondaryIndexManager.java:438)

at org.apache.cassandra.db.compaction.CompactionManager.doCleanupCompaction(CompactionManager.java:754)

at org.apache.cassandra.db.compaction.CompactionManager.access$300(CompactionManager.java:63)

at org.apache.cassandra.db.compaction.CompactionManager$5.perform(CompactionManager.java:241)

at org.apache.cassandra.db.compaction.CompactionManager$2.call(CompactionManager.java:182)

at java.util.concurrent.FutureTask$Sync.innerRun(FutureTask.java:303)

at java.util.concurrent.FutureTask.run(FutureTask.java:138)

... 3 more

The server log looks like this:

INFO [CompactionExecutor:260] 2012-01-09 14:08:41,716 CompactionManager.java (line 702) Cleaning up SSTableReader(path='/ke/cassandra/data/kev3/URLs-hc-457-Data.db')

INFO [OptionalTasks:1] 2012-01-09 14:08:47,220 MeteredFlusher.java (line 62) flushing high-traffic column family CFS(Keyspace='kev3', ColumnFamily='URLs') (estimated 156787206 bytes)

INFO [OptionalTasks:1] 2012-01-09 14:08:47,226 ColumnFamilyStore.java (line 692) Enqueuing flush of Memtable-URLs.URLs\_1\_idx@1347180703(16324791/156973287 serialized/live bytes, 173288 ops)

INFO [FlushWriter:23] 2012-01-09 14:08:47,236 Memtable.java (line 240) Writing Memtable-URLs.URLs\_1\_idx@1347180703(16324791/156973287 serialized/live bytes, 173288 ops)

INFO [pool-1-thread-1] 2012-01-09 14:08:51,003 Memtable.java (line 180) CFS(Keyspace='kev3', ColumnFamily='URLs.URLs\_1\_idx') liveRatio is 7.692510757866615 (just-counted was 4.512127842861816). calculation took 8648ms for 97329 columns

INFO [FlushWriter:23] 2012-01-09 14:08:54,360 Memtable.java (line 277) Completed flushing /ke/cassandra/data/kev3/URLs.URLs\_1\_idx-hc-143-Data.db (26375495 bytes)

INFO [ScheduledTasks:1] 2012-01-09 14:08:55,566 GCInspector.java (line 123) GC for ParNew: 206 ms for 1 collections, 934108624 used; max is 2034237440

INFO [OptionalTasks:1] 2012-01-09 14:08:57,289 MeteredFlusher.java (line 62) flushing high-traffic column family CFS(Keyspace='kev3', ColumnFamily='URLs') (estimated 188842513 bytes)

INFO [OptionalTasks:1] 2012-01-09 14:08:57,297 ColumnFamilyStore.java (line 692) Enqueuing flush of Memtable-URLs.URLs\_1\_idx@164871630(19662738/189069779 serialized/live bytes, 208494 ops)

INFO [FlushWriter:23] 2012-01-09 14:08:57,297 Memtable.java (line 240) Writing Memtable-URLs.URLs\_1\_idx@164871630(19662738/189069779 serialized/live bytes, 208494 ops)

INFO [ScheduledTasks:1] 2012-01-09 14:08:57,619 GCInspector.java (line 123) GC for ParNew: 402 ms for 2 collections, 981893424 used; max is 2034237440

INFO [FlushWriter:23] 2012-01-09 14:09:05,944 Memtable.java (line 277) Completed flushing /ke/cassandra/data/kev3/URLs.URLs\_1\_idx-hc-144-Data.db (31755390 bytes)

INFO [OptionalTasks:1] 2012-01-09 14:09:06,447 MeteredFlusher.java (line 62) flushing high-traffic column family CFS(Keyspace='kev3', ColumnFamily='URLs') (estimated 174605041 bytes)

INFO [OptionalTasks:1] 2012-01-09 14:09:06,447 ColumnFamilyStore.java (line 692) Enqueuing flush of Memtable-URLs.URLs\_1\_idx@284469330(18158445/174605041 serialized/live bytes, 192702 ops)

INFO [FlushWriter:23] 2012-01-09 14:09:06,447 Memtable.java (line 240) Writing Memtable-URLs.URLs\_1\_idx@284469330(18158445/174605041 serialized/live bytes, 192702 ops)

**ERROR** [CompactionExecutor:260] 2012-01-09 14:09:06,448 AbstractCassandraDaemon.java (line 133) Fatal exception in thread Thread[CompactionExecutor:260,1,RMI Runtime]

java.lang.AssertionError

at org.apache.cassandra.db.Memtable.put(Memtable.java:136)

at org.apache.cassandra.db.ColumnFamilyStore.apply(ColumnFamilyStore.java:780)

at org.apache.cassandra.db.index.keys.KeysIndex.deleteColumn(KeysIndex.java:82)

at org.apache.cassandra.db.index.SecondaryIndexManager.deleteFromIndexes(SecondaryIndexManager.java:438)

at org.apache.cassandra.db.compaction.CompactionManager.doCleanupCompaction(CompactionManager.java:754)

at org.apache.cassandra.db.compaction.CompactionManager.access$300(CompactionManager.java:63)

at org.apache.cassandra.db.compaction.CompactionManager$5.perform(CompactionManager.java:241)

at org.apache.cassandra.db.compaction.CompactionManager$2.call(CompactionManager.java:182)

at java.util.concurrent.FutureTask$Sync.innerRun(FutureTask.java:303)

at java.util.concurrent.FutureTask.run(FutureTask.java:138)

at java.util.concurrent.ThreadPoolExecutor$Worker.runTask(ThreadPoolExecutor.java:886)

at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:908)

at java.lang.Thread.run(Thread.java:662)