[Cassandra-2752](https://www.google.com/url?q=https://issues.apache.org/jira/browse/CASSANDRA-2752&sa=D&source=editors&ust=1751363287835599&usg=AOvVaw0C4KdhgopfexoHvnXvmKxo)

Repair fails with java.io.EOFException

**(1)  Log information**

(1.1) Roles in this case

cassandra node 1.10.42. 81        is exchanging data with    node 1.10.42.82

**(1.2) Symptoms**

Issuing repair on node 1 (1.10.42.81) in a cluster quickly fails with the EOFException.

Node repair with AntiEntropy strategy is to ensure that all data on a replica is made consistent.

When doing the repair, 1.10.42.81 will first request merkle trees from the other peer nodes which also carry the same replica data. When all the requested trees are received, it goes to make comparison.

On 1.10.42.81:

INFO [AntiEntropyStage:1] 2011-06-09 19:02:47,999 AntiEntropyService.java (line 234) Queueing comparison #<Differencer #<TreeRequest manual-repair-0c17c5f9-583f-4a31-a6d4-a9e7306fb46e, /1

.10.42.82, (JP,XXX), (Token(bytes[6e]),Token(bytes[313039]))>>

INFO [AntiEntropyStage:1] 2011-06-09 19:02:48,026 AntiEntropyService.java (line 468) Endpoints somewhere/1.10.42.81 and /1.10.42.82 have 2 range(s) out of sync for (JP,XXX) on (Token(bytes[6e]),Token(bytes[313039]))

When compared with the merkle tree from 1.10.42.82, it finds that 2 ranges are inconsistent. Then the repair will be performed between these two nodes by streaming the current data covered by the mismatching hashes.

INFO [AntiEntropyStage:1] 2011-06-09 19:02:48,026 AntiEntropyService.java (line 485) Performing streaming repair of 2 ranges for #<TreeRequest manual-repair-0c17c5f9-583f-4a31-a6d4-a9e7306

fb46e, /z, (JP,XXX), (Token(bytes[6e]),Token(bytes[313039])]>

INFO [AntiEntropyStage:1] 2011-06-09 19:02:48,030 StreamOut.java (line 173) Stream context metadata[/data/cassandra/node0/data/JP/XXX-g-3-Data.db sections=1 progress=0/36592 - 0%], 1 sstables.

INFO [AntiEntropyStage:1] 2011-06-09 19:02:48,031 StreamOutSession.java (line 174) Streaming to /1.10.42.82

ERROR [CompactionExecutor:9] 2011-06-09 19:02:48,970 AbstractCassandraDaemon.java (line 113) Fatal exception in thread Thread[CompactionExecutor:9,1,main]

java.io.EOFException

at java.io.RandomAccessFile.readInt(RandomAccessFile.java:725)

at org.apache.cassandra.io.sstable.SSTableWriter$RowIndexer.doIndexing(SSTableWriter.java:457)

at org.apache.cassandra.io.sstable.SSTableWriter$RowIndexer.index(SSTableWriter.java:364)

at org.apache.cassandra.io.sstable.SSTableWriter$Builder.build(SSTableWriter.java:315)

at org.apache.cassandra.db.CompactionManager$9.call(CompactionManager.java:1099)

at org.apache.cassandra.db.CompactionManager$9.call(CompactionManager.java:1090)

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)

On 1.10.42.82:

ERROR [CompactionExecutor:12] 2011-06-09 19:02:48,051 AbstractCassandraDaemon.java (line 113) Fatal exception in thread Thread[CompactionExecutor:12,1,main]

java.io.EOFException

at java.io.RandomAccessFile.readInt(RandomAccessFile.java:725)

at org.apache.cassandra.io.sstable.SSTableWriter$RowIndexer.doIndexing(SSTableWriter.java:457)

at org.apache.cassandra.io.sstable.SSTableWriter$RowIndexer.index(SSTableWriter.java:364)

at org.apache.cassandra.io.sstable.SSTableWriter$Builder.build(SSTableWriter.java:315)

at org.apache.cassandra.db.CompactionManager$9.call(CompactionManager.java:1099)

at org.apache.cassandra.db.CompactionManager$9.call(CompactionManager.java:1090)

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)

ERROR [Thread-132] 2011-06-09 19:02:48,051 AbstractCassandraDaemon.java (line 113) Fatal exception in thread Thread[Thread-132,5,main]

java.lang.RuntimeException: java.util.concurrent.ExecutionException: java.io.EOFException

at org.apache.cassandra.streaming.StreamInSession.closeIfFinished(StreamInSession.java:152)

at org.apache.cassandra.streaming.IncomingStreamReader.read(IncomingStreamReader.java:63)

at org.apache.cassandra.net.IncomingTcpConnection.stream(IncomingTcpConnection.java:155)

at org.apache.cassandra.net.IncomingTcpConnection.run(IncomingTcpConnection.java:93)

Caused by: java.util.concurrent.ExecutionException: java.io.EOFException

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

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

at org.apache.cassandra.streaming.StreamInSession.closeIfFinished(StreamInSession.java:136)

... 3 more

Caused by: java.io.EOFException

at java.io.RandomAccessFile.readInt(RandomAccessFile.java:725)

at org.apache.cassandra.io.sstable.SSTableWriter$RowIndexer.doIndexing(SSTableWriter.java:457)

at org.apache.cassandra.io.sstable.SSTableWriter$RowIndexer.index(SSTableWriter.java:364)

at org.apache.cassandra.io.sstable.SSTableWriter$Builder.build(SSTableWriter.java:315)

at org.apache.cassandra.db.CompactionManager$9.call(CompactionManager.java:1099)

at org.apache.cassandra.db.CompactionManager$9.call(CompactionManager.java:1090)

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)