[Cassandra-5105](https://www.google.com/url?q=https://issues.apache.org/jira/browse/CASSANDRA-5105&sa=D&source=editors&ust=1751363466598650&usg=AOvVaw0pqxWuIH44GJmryyp44DQ6)

repair -pr throws EOFException

(1)    Log information

There are 3 nodes in the cluster and the problem occurred between 01 **(/**10.80.90.52**)** and 02 **(/**10.80.90.52**)**, we can see that 02 throws an exception when receiving the stream, which causes a Broken Pipe exception on the 01 side.

**cassandra02  (/**10.80.90.52**)**

INFO 15:53:36,532 [streaming task #aa70f8e0-656c-11e2-b226-d966287ae7ca] **Received** task from /10.80.90.51 to stream 7871 ranges to /10.80.90.53

 INFO 15:53:36,533 [streaming task #aa70f8e0-656c-11e2-b226-d966287ae7ca] Performing streaming repair of 7871 ranges with /10.80.90.53

 INFO 15:53:43,216 Stream context metadata [/var/lib/cassandra/data/MyBusinessKeyspace/MyBusinessHistoryCF/MyBusinessKeyspace-MyBusinessHistoryCF-ia-4840-Data.db sections=5086 progress=0/350803667 - 0%, /var/lib/cassandra/data/MyBusinessKeyspace/MyBusinessHistoryCF/MyBusinessKeyspace-MyBusinessHistoryCF-ia-4787-Data.db sections=6079 progress=0/1160848303 - 0%, ..., /var/lib/cassandra/data/MyBusinessKeyspace/MyBusinessHistoryCF/MyBusinessKeyspace-MyBusinessHistoryCF-ia-4825-Data.db sections=5526 progress=0/571701570 - 0%, /var/lib/cassandra/data/MyBusinessKeyspace/MyBusinessHistoryCF/MyBusinessKeyspace-MyBusinessHistoryCF-ia-4879-Data.db sections=3043 progress=0/3086625 - 0%], 11 sstables.

 INFO 15:53:43,217 Streaming to /10.80.90.53

 INFO 15:53:43,325 Beginning transfer to /10.80.90.51

 INFO 15:53:43,362 Flushing memtables for [CFS(Keyspace='MyBusinessKeyspace', ColumnFamily='MyBusinessHistoryCF')]...

 INFO 15:53:43,363 Enqueuing flush of Memtable-MyBusinessHistoryCF@554695962(2424273/24900316 serialized/live bytes, 51289 ops)

 INFO 15:53:43,366 Writing Memtable-MyBusinessHistoryCF@554695962(2424273/24900316 serialized/live bytes, 51289 ops)

 INFO 15:53:43,558 Completed flushing /var/lib/cassandra/data/MyBusinessKeyspace/MyBusinessHistoryCF/MyBusinessKeyspace-MyBusinessHistoryCF-ia-4881-Data.db (2083586 bytes) for commitlog position ReplayPosition(segmentId=1358949372387, position=2780498)

 INFO 15:53:51,056 Stream context metadata [/var/lib/cassandra/data/MyBusinessKeyspace/MyBusinessHistoryCF/MyBusinessKeyspace-MyBusinessHistoryCF-ia-4787-Data.db sections=6645 progress=0/1303785158 - 0%, /var/lib/cassandra/data/MyBusinessKeyspace/MyBusinessHistoryCF/MyBusinessKeyspace-MyBusinessHistoryCF-ia-4840-Data.db sections=5775 progress=0/392625457 - 0%, ..., /var/lib/cassandra/data/MyBusinessKeyspace/MyBusinessHistoryCF/MyBusinessKeyspace-MyBusinessHistoryCF-ia-4879-Data.db sections=4083 progress=0/3265613 - 0%], 12 sstables.

 INFO 15:53:51,057 Streaming to /10.80.90.51

 INFO 15:54:19,013 Successfully sent /var/lib/cassandra/data/MyBusinessKeyspace/MyBusinessHistoryCF/MyBusinessKeyspace-MyBusinessHistoryCF-ia-4840-Data.db to /10.80.90.53

ERROR 15:54:46,686 Exception in thread Thread[Thread-3087,5,main]

java.lang.RuntimeException: Last written key DecoratedKey(153906576608468125601485890282698016632, 72736b3a67726f75703a73656375726974793a496e74657276656e74696f6e3a496e7472616461793a66306135386333352d353262312d343361642d396430332d6130636630306330306565633a3937383a313330313137) >= current key DecoratedKey(33745288399064288388334698406389712581, bec0000000220a0b08f494e9b2b582a3301005121308......0b08f4bab8c7ddd8a330100500080000013c6679e1e10200093a805108d6a10004d3f04c1c040d0000000d0a0b08bedfbbd0000000450fe4ef100080000013c3d58dcf6010004d34fa32017330000000450fe4f3300080000013c3d5921a1010004d34fa42bd8c00000000450fe4f4500080000013c3d59abe1010004d34fa64b77240000000450fe4f6900080000013c3d5a29cd010004d34fa834f5ee0000000450fe4f8900080000013c3d5b24) writing into /var/lib/cassandra/data/MyBusinessKeyspace/MyBusinessHistoryCF/MyBusinessKeyspace-MyBusinessHistoryCF-tmp-ia-4882-Data.db

                      at org.apache.cassandra.io.sstable.SSTableWriter.beforeAppend(SSTableWriter.java:133)

                      at org.apache.cassandra.io.sstable.SSTableWriter.appendFromStream(SSTableWriter.java:209)

                      at org.apache.cassandra.streaming.IncomingStreamReader.streamIn(IncomingStreamReader.java:179)

                      at org.apache.cassandra.streaming.IncomingStreamReader.read(IncomingStreamReader.java:122)

                      at org.apache.cassandra.net.IncomingTcpConnection.stream(IncomingTcpConnection.java:226)

                      at org.apache.cassandra.net.IncomingTcpConnection.handleStream(IncomingTcpConnection.java:166)

                      at org.apache.cassandra.net.IncomingTcpConnection.run(IncomingTcpConnection.java:66)

 INFO 15:55:37,245 CFS(Keyspace='OpsCenter', ColumnFamily='pdps') liveRatio is 2.3633228082745292 (just-counted was 2.3633228082745292).  calculation took 2ms for 1256 columns

 INFO 15:56:30,149 Successfully sent /var/lib/cassandra/data/MyBusinessKeyspace/MyBusinessHistoryCF/MyBusinessKeyspace-MyBusinessHistoryCF-ia-4787-Data.db to /10.80.90.53

 INFO 15:56:32,401 Successfully sent /var/lib/cassandra/data/MyBusinessKeyspace/MyBusinessHistoryCF/MyBusinessKeyspace-MyBusinessHistoryCF-ia-4878-Data.db to /10.80.90.53

**cassandra01(/**10.80.90.51**)**

INFO 15:53:43,296 Enqueuing flush of Memtable-MyBusinessHistoryCF@709374075(7410300/48461437 serialized/live bytes, 155356 ops)

 INFO 15:53:43,304 Writing Memtable-MyBusinessHistoryCF@709374075(7410300/48461437 serialized/live bytes, 155356 ops)

 INFO 15:53:43,688 Completed flushing /var/lib/cassandra/data/MyBusinessKeyspace/MyBusinessHistoryCF/MyBusinessKeyspace-MyBusinessHistoryCF-ia-4952-Data.db (4474554 bytes) for commitlog position ReplayPosition(segmentId=1358949134910, position=13864741)

 INFO 15:54:09,160 Successfully sent /var/lib/cassandra/data/MyBusinessKeyspace/MyBusinessHistoryCF/MyBusinessKeyspace-MyBusinessHistoryCF-ia-4922-Data.db to /10.80.90.52

 INFO 15:54:11,605 Successfully sent /var/lib/cassandra/data/MyBusinessKeyspace/MyBusinessHistoryCF/MyBusinessKeyspace-MyBusinessHistoryCF-ia-4922-Data.db to /10.80.90.53

ERROR 15:54:46,682 Exception in thread Thread[Streaming to /10.80.90.52:2,5,main]

java.lang.RuntimeException: java.io.IOException: Broken pipe

                      at com.google.common.base.Throwables.propagate(Throwables.java:160)

                      at org.apache.cassandra.utils.WrappedRunnable.run(WrappedRunnable.java:32)

                      at java.util.concurrent.ThreadPoolExecutor.runWorker(Unknown Source)

                      at java.util.concurrent.ThreadPoolExecutor$Worker.run(Unknown Source)

                      at java.lang.Thread.run(Unknown Source)

Caused by: java.io.IOException: Broken pipe

                      at sun.nio.ch.FileChannelImpl.transferTo0(Native Method)

                      at sun.nio.ch.FileChannelImpl.transferToDirectly(Unknown Source)

                      at sun.nio.ch.FileChannelImpl.transferTo(Unknown Source)

                      at org.apache.cassandra.streaming.compress.CompressedFileStreamTask.stream(CompressedFileStreamTask.java:90)

                      at org.apache.cassandra.streaming.FileStreamTask.runMayThrow(FileStreamTask.java:91)

                      at org.apache.cassandra.utils.WrappedRunnable.run(WrappedRunnable.java:28)

                      ... 3 more