[Cassandra-3369](https://www.google.com/url?q=https://issues.apache.org/jira/browse/CASSANDRA-3369&sa=D&source=editors&ust=1751363602868672&usg=AOvVaw3PrO5uFQW9HuHWXOYWcgDK)

AssertionError when adding a node and doing repair, repair hangs

**(1)  Log information**

Two cassandra nodes in the cluster, on one laptop using different 127.0.0.\* loopback devices.

The operations are as follows:

1. Started node1 and inserted some data into it using a simple single-threaded testprogram (uses hector 0.8.0-2):

127.0.0.1 datacenter1 rack1 Up Normal 583.55 MB 100.00% Token(bytes[63e5b6995466cd3221cba16646ae19ed])

2. I started another node, node 2 = 127.0.0.2:

127.0.0.2 datacenter1 rack1 Up Normal 147.57 KB 50.00% Token(bytes[4d6ccfeaa8bb59551751a2816fde9343])

127.0.0.1 datacenter1 rack1 Up Normal 583.55 MB 50.00% Token(bytes[63e5b6995466cd3221cba16646ae19ed])

3. I triggered a "nodetool -h 127.0.0.1 repair" on the first node that had the data from my test. This repair does not seem to ever end. The nodetool is hanging now but my computer is idle. I get an AssertionError on the first node:

INFO [GossipStage:1] 2011-10-16 18:15:46,837 Gossiper.java (line 737) Node /127.0.0.2 is now part of the cluster

INFO [GossipStage:1] 2011-10-16 18:15:46,838 Gossiper.java (line 703) InetAddress /127.0.0.2 is now UP

INFO [RMI TCP Connection(22)-127.0.1.1] 2011-10-16 18:17:01,221 StorageService.java (line 1655) Starting repair command #1, repairing 2 ranges.

INFO [AntiEntropySessions:1] 2011-10-16 18:17:01,229 AntiEntropyService.java (line 644) [repair #4768dfb0-f812-11e0-0000-fe8ebeead9fb] new session: will sync /127.0.0.1, /127.0.0.2 on range (Token(bytes[4d6ccfeaa8bb59551751a2816fde9343]),Token(bytes[63e5b6995466cd3221cba16646ae19ed])] for Test.[Response]

INFO [AntiEntropySessions:1] 2011-10-16 18:17:01,231 AntiEntropyService.java (line 793) [repair #4768dfb0-f812-11e0-0000-fe8ebeead9fb] requests for merkle tree sent for Response (to [/127.0.0.1, /127.0.0.2])

INFO [ValidationExecutor:1] 2011-10-16 18:17:01,240 ColumnFamilyStore.java (line 664) Enqueuing flush of Memtable-Response@1405292188(108646086/135807607 serialized/live bytes, 5298 ops)

INFO [FlushWriter:6] 2011-10-16 18:17:01,240 Memtable.java (line 237) Writing Memtable-Response@1405292188(108646086/135807607 serialized/live bytes, 5298 ops)

INFO [AntiEntropyStage:1] 2011-10-16 18:17:02,054 AntiEntropyService.java (line 175) [repair #4768dfb0-f812-11e0-0000-fe8ebeead9fb] Received merkle tree for Response from /127.0.0.2

INFO [FlushWriter:6] 2011-10-16 18:17:08,540 Memtable.java (line 273) Completed flushing /home/cspriegel/Development/cassandra1/data/Test/Response-h-3-Data.db (108914411 bytes)

INFO [AntiEntropyStage:1] 2011-10-16 18:17:13,638 AntiEntropyService.java (line 175) [repair #4768dfb0-f812-11e0-0000-fe8ebeead9fb] Received merkle tree for Response from /127.0.0.1

INFO [AntiEntropySessions:2] 2011-10-16 18:17:13,640 AntiEntropyService.java (line 644) [repair #4ececb70-f812-11e0-0000-fe8ebeead9fb] new session: will sync /127.0.0.1, /127.0.0.2 on range (Token(bytes[63e5b6995466cd3221cba16646ae19ed]),Token(bytes[4d6ccfeaa8bb59551751a2816fde9343])] for Test.[Response]

INFO [AntiEntropySessions:2] 2011-10-16 18:17:13,640 AntiEntropyService.java (line 793) [repair #4ececb70-f812-11e0-0000-fe8ebeead9fb] requests for merkle tree sent for Response (to [/127.0.0.1, /127.0.0.2])

INFO [AntiEntropyStage:1] 2011-10-16 18:17:13,704 AntiEntropyService.java (line 886) [repair #4768dfb0-f812-11e0-0000-fe8ebeead9fb] Endpoints /127.0.0.2 and /127.0.0.1 have 6 range(s) out of sync for Response

INFO [AntiEntropyStage:1] 2011-10-16 18:17:13,706 StreamingRepairTask.java (line 117) [streaming task #4ed904a0-f812-11e0-0000-fe8ebeead9fb] Performing streaming repair of 6 ranges with /127.0.0.2

INFO [AntiEntropyStage:1] 2011-10-16 18:17:13,735 StreamOut.java (line 160) Stream context metadata [/home/cspriegel/Development/cassandra1/data/Test/Response-h-1-Data.db sections=6 progress=0/34987700 - 0%, /home/cspriegel/Development/cassandra1/data/Test/Response-h-2-Data.db sections=4 progress=0/41162000 - 0%, /home/cspriegel/Development/cassandra1/data/Test/Response-h-3-Data.db sections=1 progress=0/10290500 - 0%], 3 sstables.

INFO [AntiEntropyStage:1] 2011-10-16 18:17:13,737 StreamOutSession.java (line 203) Streaming to /127.0.0.2

ERROR [ValidationExecutor:1] 2011-10-16 18:17:13,764 AbstractCassandraDaemon.java (line 133) Fatal exception in thread Thread[ValidationExecutor:1,5,main]

java.lang.AssertionError

at org.apache.cassandra.service.AntiEntropyService$Validator.prepare(AntiEntropyService.java:283)

at org.apache.cassandra.db.compaction.CompactionManager.doValidationCompaction(CompactionManager.java:825)

at org.apache.cassandra.db.compaction.CompactionManager.access$600(CompactionManager.java:63)

at org.apache.cassandra.db.compaction.CompactionManager$6.call(CompactionManager.java:432)

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)

The above exception is thrown *repeatedly* every few seconds and doesn't seem to stop on the seed node.