[Cassandra-5393](https://www.google.com/url?q=https://issues.apache.org/jira/browse/CASSANDRA-5393&sa=D&source=editors&ust=1751363294841468&usg=AOvVaw1Df6fWLwRj9UG6VYYNfCvT)

Add retry mechanism to OTC for non-droppable\_verbs

(1)  Log information

Setup: three ec2 regions (us-west-2, us-east-1, eu-west-1 - three nodes in each)

When the connection gets dropped, trigger repair on one of the nodes (starting with us-west-2)

Then we can see the eu-west-1 node which got the request to build the merkle tree, but then failed on sending the tree response with the exception below.

INFO [AntiEntropyStage:1] 2013-03-27 22:48:55,390 AntiEntropyService.java (line 239) repair #80fe25a0-9730-11e2-0000-ebe7011631ff Sending completed merkle tree to /54.246.XXX.YYY for (Geo,GeoCountryMetadata)

DEBUG [WRITE-/54.246.XXX.YYY] 2013-03-27 22:48:55,392 OutboundTcpConnection.java (line 165) error writing to ec2-54-246-XXX.YYY.eu-west-1.compute.amazonaws.com/54.246.XXX.YYY

java.net.SocketException: Connection timed out

at java.net.SocketOutputStream.socketWrite0(Native Method)

at java.net.SocketOutputStream.socketWrite(SocketOutputStream.java:92)

at java.net.SocketOutputStream.write(SocketOutputStream.java:136)

at com.sun.net.ssl.internal.ssl.OutputRecord.writeBuffer(OutputRecord.java:358)

at com.sun.net.ssl.internal.ssl.OutputRecord.write(OutputRecord.java:346)

at com.sun.net.ssl.internal.ssl.SSLSocketImpl.writeRecordInternal(SSLSocketImpl.java:781)

at com.sun.net.ssl.internal.ssl.SSLSocketImpl.writeRecord(SSLSocketImpl.java:753)

at com.sun.net.ssl.internal.ssl.AppOutputStream.write(AppOutputStream.java:100)

at java.io.BufferedOutputStream.flushBuffer(BufferedOutputStream.java:65)

at java.io.BufferedOutputStream.write(BufferedOutputStream.java:104)

at java.io.DataOutputStream.write(DataOutputStream.java:90)

at java.io.FilterOutputStream.write(FilterOutputStream.java:80)

at org.apache.cassandra.net.OutboundTcpConnection.write(OutboundTcpConnection.java:200)

at org.apache.cassandra.net.OutboundTcpConnection.writeConnected(OutboundTcpConnection.java:152)

at org.apache.cassandra.net.OutboundTcpConnection.run(OutboundTcpConnection.java:126)