[HBase-9740](https://www.google.com/url?q=https://issues.apache.org/jira/browse/HBASE-9740&sa=D&source=editors&ust=1751363081406231&usg=AOvVaw2pYchVUZSWqtuzsQ9J5YLg)

A corrupt HFile could cause endless attempts to assign the region without a chance of success

**(1)  Log information**

**(1.1) Roles in this case**

HMaster(master)         many HRegionServers (slaves) same type of exception

**(1.2) Symptoms**

A corrupt HFile had made its way into one of the regions which resulted in the region brought offline immediately. As soon as the region was offline, HMaster noticed this and tried to assign the region to another RegionServer which of course failed (again due to the corrupt HFile) and then Master tried to assign this to another and so on. So this region kept bouncing from one server to another and this went unnoticed for few hours and all region servers’ logs were filled with thousands of this message:

org.apache.hadoop.hbase.regionserver.handler.OpenRegionHandler: Failed open of region=userdata,50743646010,1378139055806.318c533716869574f10615703269497f., starting to roll back the global memstore size.

java.io.IOException: java.io.IOException:

org.apache.hadoop.hbase.io.hfile.CorruptHFileException: Problem reading HFile

Trailer from file

/hbase/userdata/318c533716869574f10615703269497f/data/a3e2ae39f71441ac92a6563479fb976e

            at org.apache.hadoop.hbase.regionserver.HRegion.initializeRegionInternals(HRegion.java:550)

            at org.apache.hadoop.hbase.regionserver.HRegion.initialize(HRegion.java:463)

            at org.apache.hadoop.hbase.regionserver.HRegion.openHRegion(HRegion.java:3835)

            at org.apache.hadoop.hbase.regionserver.HRegion.openHRegion(HRegion.java:3783)

            at org.apache.hadoop.hbase.regionserver.handler.OpenRegionHandler.openRegion(OpenRegionHandler.java:332)

            at org.apache.hadoop.hbase.regionserver.handler.OpenRegionHandler.process(OpenRegionHandler.java:108)

            at org.apache.hadoop.hbase.executor.EventHandler.run(EventHandler.java:169)

            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.io.IOException:

org.apache.hadoop.hbase.io.hfile.CorruptHFileException: Problem reading HFile

Trailer from file

/hbase/userdata/318c533716869574f10615703269497f/data/a3e2ae39f71441ac92a6563479fb976e

            at org.apache.hadoop.hbase.regionserver.Store.loadStoreFiles(Store.java:404)

            at org.apache.hadoop.hbase.regionserver.Store.<init>(Store.java:257)

            at org.apache.hadoop.hbase.regionserver.HRegion.instantiateHStore(HRegion.java:3017)

            at org.apache.hadoop.hbase.regionserver.HRegion$1.call(HRegion.java:525)

            at org.apache.hadoop.hbase.regionserver.HRegion$1.call(HRegion.java:523)

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

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

            at java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:441)

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

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