[HDFS-5671](https://www.google.com/url?q=https://issues.apache.org/jira/browse/HDFS-5671&sa=D&source=editors&ust=1751359158247526&usg=AOvVaw0H83MAYHbovQr5lfb1K9iR)

Fix socket leak in DFSInputStream#getBlockReader

**(1)  Log information**

**(1.1) Roles in this case**

 RegionServer (client-side)               DataNode (server-side)

**(1.2) Symptoms**

When executing the command:  lsof -i TCP:1004 | grep -c CLOSE\_WAIT

Output:                                 18235

The result shows that so many connections using TCP port 1004 are not closed.

The CLOSE\_WAIT status means that the other side has initiated a connection close, but the application on the local side has not yet closed the socket.

The logs are from both RegionServer and DataNode:

(RegionServer is the component in HBase. HBase can provide low-latency random reads and writes on top of HDFS.)

RegionServer (DFSClient):

2013-12-13 15:48:31,474 INFO org.apache.hadoop.hdfs.DFSClient: Will fetch a new access token and retry, access token was invalid when connecting to /192.168.2.27:1004 : org.apache.hadoop.hdfs.security.token.block.InvalidBlockTokenException: Got access token error for OP\_READ\_BLOCK, self=/192.168.2.27:56975, remote=/192.168.2.27:1004, for file /hbase/XXXX/b50bf1b95c9242cdd242dc4e6549bc90/raw/d59819ebe5574c79a5d1cf13a733d2ed, for pool BP-621472495-192.168.2.25-1375176775166 block -882505774551713967\_11426277

Datanode:

2013-12-13 15:48:31,474 ERROR org.apache.hadoop.hdfs.server.datanode.DataNode: dn2:1004:DataXceiver error processing READ\_BLOCK operation src: /192.168.2.27:56975 dest: /192.168.2.27:1004

org.apache.hadoop.security.token.SecretManager$InvalidToken: Block token with block\_token\_identifier (expiryDate=1386914547771, keyId=2020397153, userId=hbase, blockPoolId=BP-621472495-192.168.2.25-1375176775166, blockId=-882505774551713967, access modes=[READ]) is expired.

at org.apache.hadoop.hdfs.security.token.block.BlockTokenSecretManager.checkAccess(BlockTokenSecretManager.java)

at org.apache.hadoop.hdfs.security.token.block.BlockTokenSecretManager.checkAccess(BlockTokenSecretManager.java)

at org.apache.hadoop.hdfs.security.token.block.BlockPoolTokenSecretManager.checkAccess(BlockPoolTokenSecretManager.java)

at org.apache.hadoop.hdfs.server.datanode.DataXceiver.checkAccess(DataXceiver.java)

at org.apache.hadoop.hdfs.server.datanode.DataXceiver.readBlock(DataXceiver.java)

at org.apache.hadoop.hdfs.protocol.datatransfer.Receiver.opReadBlock(Receiver.java)

at org.apache.hadoop.hdfs.protocol.datatransfer.Receiver.processOp(Receiver.java)

at org.apache.hadoop.hdfs.server.datanode.DataXceiver.run(DataXceiver.java)

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

There is an error when DataNode “dn2”(192.168.2.27:1004) processes the operation “READ\_BLOCK” from DFSClient (192.168.2.27:56975), due to invalid token.