Item 163
git_comments:

1. * * Reopen a new input stream with the specified position * @param pos the position to reopen a new stream * @throws IOException
2. every read should have thrown 1 IOException except for the first read 144 = 128 - 1 + (128 / 8)

git_commits:

1. **summary:** HADOOP-11730. Regression: s3n read failure recovery broken. (Takenori Sato via stevel)
   message: HADOOP-11730. Regression: s3n read failure recovery broken. (Takenori Sato via stevel) (cherry picked from commit a6a5d1d6b5ee76c829ba7b54a4ad619f7b986681)

github_issues:

github_issues_comments:

github_pulls:

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github_pulls_reviews:

jira_issues:

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label: code-design

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jira_issues_comments:

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   org.jets3t.service.impl.rest.httpclient.RestStorageService - Retrieving All information for bucket shared and object
   user/hadoop/tsato/readlarge/input/cloudian-s3.log.20141119 Verified manually that it reopens a new connection after IOException.
   label: code-design
2. The first patch with the updated test case.
3. \\ \\ | (x) *{color:red}-1 overall{color}* | \\ \\ || Vote || Subsystem || Runtime || Comment || | {color:blue}0{color} | pre-patch | 14m
   32s | Pre-patch trunk compilation is healthy. | | {color:green}+1{color} | @author | 0m 0s | The patch does not contain any
   @author tags. | | {color:green}+1{color} | tests included | 0m 0s | The patch appears to include 1 new or modified test files. | |
   {color:red}-1{color} | whitespace | 0m 0s | The patch has 3 line(s) that end in whitespace. | | {color:green}+1{color} | javac | 7m
   27s | There were no new javac warning messages. | | {color:green}+1{color} | javadoc | 9m 36s | There were no new javadoc
   warning messages. | | {color:green}+1{color} | release audit | 0m 23s | The applied patch does not increase the total number of
   release audit warnings. | | {color:red}-1{color} | checkstyle | 5m 28s | The applied patch generated 1 additional checkstyle issues. |
   | {color:green}+1{color} | install | 1m 31s | mvn install still works. | | {color:green}+1{color} | eclipse:eclipse | 0m 33s | The patch
   built with eclipse:eclipse. | | {color:green}+1{color} | findbugs | 0m 38s | The patch does not introduce any new Findbugs (version
   2.0.3) warnings. | | {color:green}+1{color} | tools/hadoop tests | 0m 15s | Tests passed in hadoop-aws. | | | | 40m 33s | | \\ \\ ||
   Subsystem || Report/Notes || | Patch URL | http://issues.apache.org/jira/secure/attachment/12705845/HADOOP-11730-branch-
   2.6.0.001.patch | | Optional Tests | javadoc javac unit findbugs checkstyle | | git revision | trunk / 189a63a | | whitespace |
   https://builds.apache.org/job/PreCommit-HADOOP-Build/6167/artifact/patchprocess/whitespace.txt | | checkstyle |
   https://builds.apache.org/job/PreCommit-HADOOP-Build/6167/artifact/patchprocess/checkstyle-result-diff.txt | | hadoop-aws test
   log | https://builds.apache.org/job/PreCommit-HADOOP-Build/6167/artifact/patchprocess/testrun_hadoop-aws.txt | | Test Results |
   https://builds.apache.org/job/PreCommit-HADOOP-Build/6167/testReport/ | | Console output |
   https://builds.apache.org/job/PreCommit-HADOOP-Build/6167/console | This message was automatically generated.
4. +1 committing Here's the patch in sync with trunk; it also incorporates HADOOP-11851 in the close logic, as they go hand in
   hand. We can't have the recovery process damaged by ConnectionReset exceptions being picked up while it closes the old stream.
5. **body:** patch applied; tested against s3 EU. Given the nature of these problems, it may be good to start thinking about whether we
   can do things with better simulate failures; the test here is a good start, though we may want more complex policies...mockito

might be the tool to reach for.

label: test

6. FAILURE: Integrated in Hadoop-trunk-Commit #7653 (See [https://builds.apache.org/job/Hadoop-trunk-Commit/7653/]) HADOOP-11730. Regression: s3n read failure recovery broken. (Takenori Sato via stevel) (stevel: rev 19262d99ebbbd143a7ac9740d3a8e7c842b37591) * hadoop-tools/hadoop-aws/src/main/java/org/apache/hadoop/fs/s3native/NativeS3FileSystem.java * hadoop-tools/hadoop-aws/src/test/java/org/apache/hadoop/fs/s3native/NativeS3FileSystemContractBaseTest.java * hadoop-common-project/hadoop-common/CHANGES.txt

7. \\ \\ | (x) *{color:red}-1 overall{color}* | \\ \\ || Vote || Subsystem || Runtime || Comment || | {color:blue}0{color} | pre-patch | 14m 33s | Pre-patch trunk compilation is healthy. | | {color:green}+1{color} | @author | 0m 0s | The patch does not contain any @author tags. | | {color:green}+1{color} | tests included | 0m 0s | The patch appears to include 1 new or modified test files. | | {color:green}+1{color} | whitespace | 0m 0s | The patch has no lines that end in whitespace. | | {color:green}+1{color} | javac | 7m 27s | There were no new javac warning messages. | | {color:green}+1{color} | javadoc | 9m 33s | There were no new javadoc warning messages. | | {color:green}+1{color} | release audit | 0m 22s | The applied patch does not increase the total number of release audit warnings. | | {color:red}-1{color} | checkstyle | 7m 43s | The applied patch generated 1 additional checkstyle issues. | | {color:green}+1{color} | install | 1m 33s | mvn install still works. | | {color:green}+1{color} | eclipse:eclipse | 0m 33s | The patch built with eclipse:eclipse. | | {color:green}+1{color} | findbugs | 0m 38s | The patch does not introduce any new Findbugs (version 2.0.3) warnings. | | {color:green}+1{color} | tools/hadoop tests | 0m 14s | Tests passed in hadoop-aws. | | | | 42m 39s | | \\ \\ || Subsystem || Report/Notes || | Patch URL | http://issues.apache.org/jira/secure/attachment/12727699/HADOOP-11730-002.patch | | Optional Tests | javadoc javac unit findbugs checkstyle | | git revision | trunk / 416b843 | | checkstyle | https://builds.apache.org/job/PreCommit-HADOOP-Build/6170/artifact/patchprocess/checkstyle-result-diff.txt | | hadoop-aws test log | https://builds.apache.org/job/PreCommit-HADOOP-Build/6170/artifact/patchprocess/testrun_hadoop-aws.txt | | Test Results | https://builds.apache.org/job/PreCommit-HADOOP-Build/6170/testReport/ | | Console output | https://builds.apache.org/job/PreCommit-HADOOP-Build/6170/console | This message was automatically generated.

8. FAILURE: Integrated in Hadoop-Hdfs-trunk #2105 (See [https://builds.apache.org/job/Hadoop-Hdfs-trunk/2105/]) HADOOP-11730. Regression: s3n read failure recovery broken. (Takenori Sato via stevel) (stevel: rev 19262d99ebbbd143a7ac9740d3a8e7c842b37591) * hadoop-common-project/hadoop-common/CHANGES.txt * hadoop-tools/hadoop-aws/src/main/java/org/apache/hadoop/fs/s3native/NativeS3FileSystem.java * hadoop-tools/hadoop-aws/src/test/java/org/apache/hadoop/fs/s3native/NativeS3FileSystemContractBaseTest.java

9. FAILURE: Integrated in Hadoop-Hdfs-trunk-Java8 #164 (See [https://builds.apache.org/job/Hadoop-Hdfs-trunk-Java8/164/]) HADOOP-11730. Regression: s3n read failure recovery broken. (Takenori Sato via stevel) (stevel: rev 19262d99ebbbd143a7ac9740d3a8e7c842b37591) * hadoop-tools/hadoop-aws/src/test/java/org/apache/hadoop/fs/s3native/NativeS3FileSystemContractBaseTest.java * hadoop-common-project/hadoop-common/CHANGES.txt * hadoop-tools/hadoop-aws/src/main/java/org/apache/hadoop/fs/s3native/NativeS3FileSystem.java

10. FAILURE: Integrated in Hadoop-Yarn-trunk-Java8 #173 (See [https://builds.apache.org/job/Hadoop-Yarn-trunk-Java8/173/]) HADOOP-11730. Regression: s3n read failure recovery broken. (Takenori Sato via stevel) (stevel: rev 19262d99ebbbd143a7ac9740d3a8e7c842b37591) * hadoop-common-project/hadoop-common/CHANGES.txt * hadoop-tools/hadoop-aws/src/test/java/org/apache/hadoop/fs/s3native/NativeS3FileSystemContractBaseTest.java * hadoop-tools/hadoop-aws/src/main/java/org/apache/hadoop/fs/s3native/NativeS3FileSystem.java

11. SUCCESS: Integrated in Hadoop-Yarn-trunk #907 (See [https://builds.apache.org/job/Hadoop-Yarn-trunk/907/]) HADOOP-11730. Regression: s3n read failure recovery broken. (Takenori Sato via stevel) (stevel: rev 19262d99ebbbd143a7ac9740d3a8e7c842b37591) * hadoop-tools/hadoop-aws/src/main/java/org/apache/hadoop/fs/s3native/NativeS3FileSystem.java * hadoop-common-project/hadoop-common/CHANGES.txt * hadoop-tools/hadoop-aws/src/test/java/org/apache/hadoop/fs/s3native/NativeS3FileSystemContractBaseTest.java

12. FAILURE: Integrated in Hadoop-Mapreduce-trunk-Java8 #174 (See [https://builds.apache.org/job/Hadoop-Mapreduce-trunk-Java8/174/]) HADOOP-11730. Regression: s3n read failure recovery broken. (Takenori Sato via stevel) (stevel: rev 19262d99ebbbd143a7ac9740d3a8e7c842b37591) * hadoop-tools/hadoop-aws/src/test/java/org/apache/hadoop/fs/s3native/NativeS3FileSystemContractBaseTest.java * hadoop-tools/hadoop-aws/src/main/java/org/apache/hadoop/fs/s3native/NativeS3FileSystem.java * hadoop-common-project/hadoop-common/CHANGES.txt

13. FAILURE: Integrated in Hadoop-Mapreduce-trunk #2123 (See [https://builds.apache.org/job/Hadoop-Mapreduce-trunk/2123/]) HADOOP-11730. Regression: s3n read failure recovery broken. (Takenori Sato via stevel) (stevel: rev 19262d99ebbbd143a7ac9740d3a8e7c842b37591) * hadoop-tools/hadoop-aws/src/test/java/org/apache/hadoop/fs/s3native/NativeS3FileSystemContractBaseTest.java * hadoop-common-project/hadoop-common/CHANGES.txt * hadoop-tools/hadoop-aws/src/main/java/org/apache/hadoop/fs/s3native/NativeS3FileSystem.java

14. Pulled this into 2.6.1 after [~ajisakaa] verified that the patch applies cleanly. Ran compilation and TestInMemoryNativeS3FileSystemContract before the push.