Item 124
git_comments:

1. * rename
2. * concat
3. * delete
4. * renameSnapshot
5. * createSnapshot operaiton
6. * create file operation (without OverWrite)
7. * append operation
8. * createSymlink
9. append to the file and leave the last block under construction
10. * updatePipeline
11. make sure the client's call has actually been handled by the active NN
12. check if the inode of the file is under construction
13. * rename2
14. * deleteSnapshot

git_commits:

1. **summary:** HDFS-5045. Merge change r1516348 from trunk.
   message: HDFS-5045. Merge change r1516348 from trunk. git-svn-id:
   https://svn.apache.org/repos/asf/hadoop/common/branches/branch-2@1516349 13f79535-47bb-0310-
   9956-ffa450edef68

github_issues:

github_issues_comments:

github_pulls:

github_pulls_comments:

github_pulls_reviews:

jira_issues:

1. **summary:** Add more unit tests for retry cache to cover all AtMostOnce methods
   description:
2. **summary:** Add more unit tests for retry cache to cover all AtMostOnce methods
   description:
3. **summary:** Add more unit tests for retry cache to cover all AtMostOnce methods
   description:
4. **summary:** Add more unit tests for retry cache to cover all AtMostOnce methods
   description:
   label: code-design
5. **summary:** Add more unit tests for retry cache to cover all AtMostOnce methods
   description:
6. **summary:** Add more unit tests for retry cache to cover all AtMostOnce methods
   description:
7. **summary:** Add more unit tests for retry cache to cover all AtMostOnce methods
   description:
8. **summary:** Add more unit tests for retry cache to cover all AtMostOnce methods
   description:
9. **summary:** Add more unit tests for retry cache to cover all AtMostOnce methods
   description:
10. **summary:** Add more unit tests for retry cache to cover all AtMostOnce methods
    description:
    label: test

jira_issues_comments:

1. An initial patch covering all the AtMostOnce methods except saveNamespace and updatePipeline.
2. Update the patch: 1. Add timeout for each test 2. Add unit test for updatePipeline For ClientProtocol#saveNamespace, because we do not record this operation in editlog, its retry cache will not work when NN failover happens (but works in a single NN for RPC response loss over the network). Thus we do not plan to add test for saveNamespace here.
3. {color:green}+1 overall{color}. Here are the results of testing the latest attachment http://issues.apache.org/jira/secure/attachment/12599021/HDFS-5045.002.patch against trunk revision . {color:green}+1 @author{color}. The patch does not contain any @author tags. {color:green}+1 tests included{color}. The patch appears to include 1 new or modified test files. {color:green}+1 javac{color}. The applied patch does not increase the total number of javac compiler warnings. {color:green}+1 javadoc{color}. The javadoc tool did not generate any warning messages. {color:green}+1 eclipse:eclipse{color}. The patch built with eclipse:eclipse. {color:green}+1 findbugs{color}. The patch does not introduce any new Findbugs (version 1.3.9) warnings. {color:green}+1 release audit{color}. The applied patch does not increase the total number of release audit warnings. {color:green}+1 core tests{color}. The patch passed unit tests in hadoop-hdfs-project/hadoop-hdfs. {color:green}+1 contrib tests{color}. The patch passed contrib unit tests. Test results: https://builds.apache.org/job/PreCommit-HDFS-Build/4863//testReport/ Console output: https://builds.apache.org/job/PreCommit-HDFS-Build/4863//console This message is automatically generated.
4. **body:** Hi, Jing. The new tests look great. I ran them multiple times on Windows, and everything worked as expected. I have a minor comment about this: {code} private final Map<String, Object> results = new HashMap<String, Object>(); {code} It seems unnecessary for {{results}} to be a member variable storing the results of all ops from all tests. Each particular op result only gets accessed within the scope of one invocation of {{testClientRetryWithFailover}}, so I think this could move to a local variable within {{testClientRetryWithFailover}}. It could be {{final Map<String, Object>}}, or it could just be {{final Mutable<Object>}}, considering that the value is the only important part to remember and the key would be redundant with {{op.name}}.
   label: code-design
5. Thanks for the review Chris! Update the patch to address your comments.
6. +1 pending successful test-patch run on the new patch. Thanks, Jing! Jenkins doesn't seem to be picking up new patches automatically. I see failures in the admin job that drives pre-commit checks. I submitted a manual run for this issue: https://builds.apache.org/job/PreCommit-HDFS-Build/4868/
7. {color:green}+1 overall{color}. Here are the results of testing the latest attachment http://issues.apache.org/jira/secure/attachment/12599293/HDFS-5045.003.patch against trunk revision . {color:green}+1 @author{color}. The patch does not contain any @author tags. {color:green}+1 tests included{color}. The patch appears to include 1 new or modified test files. {color:green}+1 javac{color}. The applied patch does not increase the total number of javac compiler warnings. {color:green}+1 javadoc{color}. The javadoc tool did not generate any warning messages. {color:green}+1 eclipse:eclipse{color}. The patch built with eclipse:eclipse. {color:green}+1 findbugs{color}. The patch does not introduce any new Findbugs (version 1.3.9) warnings. {color:green}+1 release audit{color}. The applied patch does not increase the total number of release audit warnings. {color:green}+1 core tests{color}. The patch passed unit tests in hadoop-hdfs-project/hadoop-hdfs. {color:green}+1 contrib tests{color}. The patch passed contrib unit tests. Test results: https://builds.apache.org/job/PreCommit-HDFS-Build/4868//testReport/ Console output: https://builds.apache.org/job/PreCommit-HDFS-Build/4868//console This message is automatically generated.
8. Thanks again for the review Chris! I've committed this to trunk, branch-2, branch-2.1-beta.
9. SUCCESS: Integrated in Hadoop-trunk-Commit #4307 (See [https://builds.apache.org/job/Hadoop-trunk-Commit/4307/]) HDFS-5045. Add more unit tests for retry cache to cover all AtMostOnce methods. Contributed by Jing Zhao. (jing9: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1516348) * /hadoop/common/trunk/hadoop-hdfs-project/hadoop-hdfs/CHANGES.txt * /hadoop/common/trunk/hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/DFSClient.java * /hadoop/common/trunk/hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/namenode/ha/TestRetryCacheWithHA.java
10. SUCCESS: Integrated in Hadoop-Yarn-trunk #309 (See [https://builds.apache.org/job/Hadoop-Yarn-trunk/309/]) HDFS-5045. Add more unit tests for retry cache to cover all AtMostOnce methods. Contributed by Jing Zhao. (jing9: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1516348) * /hadoop/common/trunk/hadoop-hdfs-project/hadoop-

hdfs/CHANGES.txt * /hadoop/common/trunk/hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/DFSClient.java * /hadoop/common/trunk/hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/namenode/ha/TestRetryCacheWithHA.java

11. SUCCESS: Integrated in Hadoop-Hdfs-trunk #1499 (See [https://builds.apache.org/job/Hadoop-Hdfs-trunk/1499/]) HDFS-5045. Add more unit tests for retry cache to cover all AtMostOnce methods. Contributed by Jing Zhao. (jing9: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1516348) * /hadoop/common/trunk/hadoop-hdfs-project/hadoop-hdfs/CHANGES.txt * /hadoop/common/trunk/hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/DFSClient.java * /hadoop/common/trunk/hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/namenode/ha/TestRetryCacheWithHA.java

12. FAILURE: Integrated in Hadoop-Mapreduce-trunk #1526 (See [https://builds.apache.org/job/Hadoop-Mapreduce-trunk/1526/]) HDFS-5045. Add more unit tests for retry cache to cover all AtMostOnce methods. Contributed by Jing Zhao. (jing9: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1516348) * /hadoop/common/trunk/hadoop-hdfs-project/hadoop-hdfs/CHANGES.txt * /hadoop/common/trunk/hadoop-hdfs-project/hadoop-hdfs/src/main/java/org/apache/hadoop/hdfs/DFSClient.java * /hadoop/common/trunk/hadoop-hdfs-project/hadoop-hdfs/src/test/java/org/apache/hadoop/hdfs/server/namenode/ha/TestRetryCacheWithHA.java