

git_comments:

1. wait for holder to get into the critical section.
2. create a synchronized list and verify the order of elements.
3. verify that the synchronized list has the correct sequence.
4. signal the holder thread.
5. wait for the waiter thread to access the lock.

git_commits:

1. **summary:** HDFS-15457. TestFsDatasetImpl fails intermittently (#2407)
message: HDFS-15457. TestFsDatasetImpl fails intermittently (#2407)

github_issues:**github_issues_comments:****github_pulls:**

1. **title:** HDFS-15457. TestFsDatasetImpl fails intermittently.
body: ## NOTICE Please create an issue in ASF JIRA before opening a pull request, and you need to set the title of the pull request which starts with the corresponding JIRA issue number. (e.g. HADOOP-XXXXX. Fix a typo in YYY.) For more details, please see <https://cwiki.apache.org/confluence/display/HADOOP/How+To+Contribute>

github_pulls_comments:

1. :broken_heart: *-1 overall* | Vote | Subsystem | Runtime | Logfile | Comment | |----:|-----:|-----:|-----:|-----:| | +0 :ok: | reexec | 0m 31s | | Docker mode activated. | ||| _ Prechecks _ | | +1 :green_heart: | dupname | 0m 0s | | No case conflicting files found. | | +1 :green_heart: | @author | 0m 0s | | The patch does not contain any @author tags. | | +1 :green_heart: | | 0m 0s | test4tests | The patch appears to include 1 new or modified test files. | ||| _ trunk Compile Tests _ | | +1 :green_heart: | mvninstall | 30m 9s | | trunk passed | | +1 :green_heart: | compile | 1m 20s | | trunk passed with JDK Ubuntu-11.0.8+10-post-Ubuntu-0ubuntu118.04.1 | | +1 :green_heart: | compile | 1m 14s | | trunk passed with JDK Private Build-1.8.0_265-8u265-b01-0ubuntu2~18.04-b01 | | +1 :green_heart: | checkstyle | 0m 51s | | trunk passed | | +1 :green_heart: | mvnsite | 1m 17s | | trunk passed | | +1 :green_heart: | shadedclient | 16m 50s | | branch has no errors when building and testing our client artifacts. | | +1 :green_heart: | javadoc | 0m 55s | | trunk passed with JDK Ubuntu-11.0.8+10-post-Ubuntu-0ubuntu118.04.1 | | +1 :green_heart: | javadoc | 1m 29s | | trunk passed with JDK Private Build-1.8.0_265-8u265-b01-0ubuntu2~18.04-b01 | | +0 :ok: | spotbugs | 3m 4s | | Used deprecated FindBugs config; considering switching to SpotBugs. | | +1 :green_heart: | findbugs | 3m 2s | | trunk passed | ||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 1m 14s | | the patch passed | | +1 :green_heart: | compile | 1m 13s | | the patch passed with JDK Ubuntu-11.0.8+10-post-Ubuntu-0ubuntu118.04.1 | | +1 :green_heart: | javac | 1m 13s | | the patch passed | | +1 :green_heart: | compile | 1m 7s | | the patch passed with JDK Private Build-1.8.0_265-8u265-b01-0ubuntu2~18.04-b01 | | +1 :green_heart: | javac | 1m 7s | | the patch passed | | +1 :green_heart: | checkstyle | 0m 39s | | the patch passed | | +1 :green_heart: | mvnsite | 1m 9s | | the patch passed | | +1 :green_heart: | whitespace | 0m 0s | | The patch has no whitespace issues. | | +1 :green_heart: | shadedclient | 14m 25s | | patch has no errors when building and testing our client artifacts. | | +1 :green_heart: | javadoc | 0m 48s | | the patch passed with JDK Ubuntu-11.0.8+10-post-Ubuntu-0ubuntu118.04.1 | | +1 :green_heart: | javadoc | 1m 22s | | the patch passed with JDK Private Build-1.8.0_265-8u265-b01-0ubuntu2~18.04-b01 | | +1 :green_heart: | findbugs | 3m 5s | | the patch passed | ||| _ Other Tests _ | | -1 :x: | unit | 95m 5s | | [/patch-unit-hadoop-hdfs-project_hadoop-hdfs.txt](https://ci-hadoop.apache.org/job/hadoop-multibranch/job/PR-2407/1/artifact/out/patch-unit-hadoop-hdfs-project_hadoop-hdfs.txt) | hadoop-hdfs in the patch passed. | | +1 :green_heart: | asflicense | 0m 45s | | The patch does not generate ASF License warnings. | ||| 180m 35s | ||| Reason | Tests | |-----:|-----:| | Failed junit tests | hadoop.hdfs.TestFileChecksumCompositeCrc | | hadoop.hdfs.server.balancer.TestBalancer | | | hadoop.hdfs.TestFileChecksum | | | hadoop.hdfs.TestDFSUpgradeFromImage | | Subsystem | Report/Notes | |-----:|-----:| | Docker | ClientAPI=1.40 ServerAPI=1.40 base: https://ci-

hadoop.apache.org/job/hadoop-multibranch/job/PR-2407/1/artifact/out/Dockerfile | | GITHUB PR | <https://github.com/apache/hadoop/pull/2407> | | Optional Tests | dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle | | uname | Linux 5e1fbdf6356 4.15.0-58-generic #64-Ubuntu SMP Tue Aug 6 11:12:41 UTC 2019 x86_64 x86_64 x86_64 GNU/Linux | | Build tool | maven | | Personality | dev-support/bin/hadoop.sh | | git revision | trunk / 7bdf165f626 | | Default Java | Private Build-1.8.0_265-8u265-b01-0ubuntu2~18.04-b01 | | Multi-JDK versions | /usr/lib/jvm/java-11-openjdk-amd64:Ubuntu-11.0.8+10-post-Ubuntu-0ubuntu118.04.1 /usr/lib/jvm/java-8-openjdk-amd64:Private Build-1.8.0_265-8u265-b01-0ubuntu2~18.04-b01 | | Test Results | <https://ci-hadoop.apache.org/job/hadoop-multibranch/job/PR-2407/1/testReport/> | | Max. process+thread count | 4109 (vs. ulimit of 5500) | | modules | C: hadoop-hdfs-project/hadoop-hdfs U: hadoop-hdfs-project/hadoop-hdfs | | Console output | <https://ci-hadoop.apache.org/job/hadoop-multibranch/job/PR-2407/1/console> | | versions | git=2.17.1 maven=3.6.0 findbugs=4.1.3 | | Powered by | Apache Yetus 0.13.0-SNAPSHOT <https://yetus.apache.org> | This message was automatically generated.

2. Thank you @goiri for the review. This fix is good to go. The failing units are among the ones we are working to fix. The couple others may be failing randomly.

github_pulls_reviews:

1. If this times out, are we cleaning up correctly?
2. ``testReadLockEnabledByDefault`` does not start a cluster. It has a mock datanode. For ``testReadLockCanBeDisabledByConfig`` the cluster shutdown is inside ``finally`` block

jira_issues:

jira_issues_comments: