Item 220

git_comments:

1. Count locations on different racks.

git_commits:

1. **summary:** HDFS-15783. Speed up BlockPlacementPolicyRackFaultTolerant#verifyBlockPlacement (#2626)
   message: HDFS-15783. Speed up BlockPlacementPolicyRackFaultTolerant#verifyBlockPlacement (#2626) (cherry picked from commit 45b3a8470975e67cce0e3e4d8eb8c7b6e7b6992f)

github_issues:

github_issues_comments:

github_pulls:

1. **title:** HDFS-15783. Speed up BlockPlacementPolicyRackFaultTolerant#verifyBlockPlacement
   body: JIRA: https://issues.apache.org/jira/browse/HDFS-15783 - Remove the usage of `TreeSet#add`, its time complexity is `O(logN)`. - ~This fix is similar to https://issues.apache.org/jira/browse/HDFS-14102~

github_pulls_comments:

1. :broken_heart: **-1 overall** | Vote | Subsystem | Runtime | Logfile | Comment | |:----:|----------:|--------:|:---------:|:-------:| | +0 :ok: | reexec | 0m 44s | | 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 :x: | test4tests | 0m 0s | | The patch doesn't appear to include any new or modified tests. Please justify why no new tests are needed for this patch. Also please list what manual steps were performed to verify this patch. | |||| _ trunk Compile Tests _ || -1 :x: | mvninstall | 37m 28s | [/branch-mvninstall-root.txt](https://ci-hadoop.apache.org/job/hadoop-multibranch/job/PR-2626/1/artifact/out/branch-mvninstall-root.txt) | root in trunk failed. | | +1 :green_heart: | compile | 1m 40s | | trunk passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green_heart: | compile | 1m 22s | | trunk passed with JDK Private Build-1.8.0_275-8u275-b01-0ubuntu1~18.04-b01 | | +1 :green_heart: | checkstyle | 0m 55s | | trunk passed | | +1 :green_heart: | mvnsite | 1m 34s | | trunk passed | | +1 :green_heart: | shadedclient | 21m 4s | | branch has no errors when building and testing our client artifacts. | | +1 :green_heart: | javadoc | 1m 6s | | trunk passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green_heart: | javadoc | 1m 36s | | trunk passed with JDK Private Build-1.8.0_275-8u275-b01-0ubuntu1~18.04-b01 | | +0 :ok: | spotbugs | 4m 0s | | Used deprecated FindBugs config; considering switching to SpotBugs. | | +1 :green_heart: | findbugs | 3m 57s | | trunk passed | |||| _ Patch Compile Tests _ || +1 :green_heart: | mvninstall | 1m 20s | | the patch passed | | +1 :green_heart: | compile | 1m 16s | | the patch passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green_heart: | javac | 1m 16s | | the patch passed | | +1 :green_heart: | compile | 1m 10s | | the patch passed with JDK Private Build-1.8.0_275-8u275-b01-0ubuntu1~18.04-b01 | | +1 :green_heart: | javac | 1m 10s | | the patch passed | | +1 :green_heart: | checkstyle | 0m 41s | | the patch passed | | +1 :green_heart: | mvnsite | 1m 11s | | the patch passed | | +1 :green_heart: | whitespace | 0m 0s | | The patch has no whitespace issues. | | +1 :green_heart: | shadedclient | 14m 48s | | patch has no errors when building and testing our client artifacts. | | +1 :green_heart: | javadoc | 0m 49s | | the patch passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green_heart: | javadoc | 1m 31s | | the patch passed with JDK Private Build-1.8.0_275-8u275-b01-0ubuntu1~18.04-b01 | | +1 :green_heart: | findbugs | 3m 29s | | the patch passed | |||| _ Other Tests _ || -1 :x: | unit | 99m 57s | [/patch-unit-hadoop-hdfs-project_hadoop-hdfs.txt](https://ci-hadoop.apache.org/job/hadoop-multibranch/job/PR-2626/1/artifact/out/patch-unit-hadoop-hdfs-project_hadoop-hdfs.txt) | hadoop-hdfs in the patch passed. | | +1 :green_heart: | asflicense | 0m 44s | | The patch does not generate ASF License warnings. | | | | 200m 34s | | | | Reason | Tests | |-------:|:------| | Failed junit tests | hadoop.hdfs.TestMaintenanceState | | | hadoop.hdfs.server.balancer.TestBalancer | | | hadoop.hdfs.TestDFSUpgradeFromImage | | Subsystem | Report/Notes | |----------:|:-------------| | Docker | ClientAPI=1.41 ServerAPI=1.41 base: https://ci-hadoop.apache.org/job/hadoop-multibranch/job/PR-2626/1/artifact/out/Dockerfile | | GITHUB PR | https://github.com/apache/hadoop/pull/2626 | | Optional Tests | dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs

checkstyle | | uname | Linux b0a758fd0c48 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 / a326f226066 | | Default Java | Private Build-1.8.0_275-8u275-b01-0ubuntu1~18.04-b01 | | Multi-JDK versions | /usr/lib/jvm/java-11-openjdk-amd64:Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 /usr/lib/jvm/java-8-openjdk-amd64:Private Build-1.8.0_275-8u275-b01-0ubuntu1~18.04-b01 | | Test Results | https://ci-hadoop.apache.org/job/hadoop-multibranch/job/PR-2626/1/testReport/ | | Max. process+thread count | 4321 (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-2626/1/console | | versions | git=2.17.1 maven=3.6.0 findbugs=4.0.6 | | Powered by | Apache Yetus 0.13.0-SNAPSHOT https://yetus.apache.org | This message was automatically generated.

2. :broken_heart: **-1 overall** | Vote | Subsystem | Runtime | Logfile | Comment | |:----:|----------:|--------:|:--------:|:-------:| | +0 :ok: | reexec | 2m 11s | | 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 :x: | test4tests | 0m 0s | | The patch doesn't appear to include any new or modified tests. Please justify why no new tests are needed for this patch. Also please list what manual steps were performed to verify this patch. | |||| _ trunk Compile Tests _ | | +1 :green_heart: | mvninstall | 36m 15s | | trunk passed | | +1 :green_heart: | compile | 1m 26s | | trunk passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green_heart: | compile | 1m 21s | | trunk passed with JDK Private Build-1.8.0_275-8u275-b01-0ubuntu1~18.04-b01 | | +1 :green_heart: | checkstyle | 0m 51s | | trunk passed | | +1 :green_heart: | mvnsite | 1m 29s | | trunk passed | | +1 :green_heart: | shadedclient | 17m 55s | | branch has no errors when building and testing our client artifacts. | | +1 :green_heart: | javadoc | 1m 0s | | trunk passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green_heart: | javadoc | 1m 32s | | trunk passed with JDK Private Build-1.8.0_275-8u275-b01-0ubuntu1~18.04-b01 | | +0 :ok: | spotbugs | 3m 15s | | Used deprecated FindBugs config; considering switching to SpotBugs. | | +1 :green_heart: | findbugs | 3m 13s | | trunk passed | |||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 1m 17s | | the patch passed | | +1 :green_heart: | compile | 1m 12s | | the patch passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green_heart: | javac | 1m 12s | | the patch passed | | +1 :green_heart: | compile | 1m 6s | | the patch passed with JDK Private Build-1.8.0_275-8u275-b01-0ubuntu1~18.04-b01 | | +1 :green_heart: | javac | 1m 6s | | the patch passed | | +1 :green_heart: | checkstyle | 0m 42s | | 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 | 15m 8s | | patch has no errors when building and testing our client artifacts. | | +1 :green_heart: | javadoc | 0m 52s | | the patch passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green_heart: | javadoc | 1m 21s | | the patch passed with JDK Private Build-1.8.0_275-8u275-b01-0ubuntu1~18.04-b01 | | +1 :green_heart: | findbugs | 3m 10s | | the patch passed | |||| _ Other Tests _ | | -1 :x: | unit | 135m 29s | [/patch-unit-hadoop-hdfs-project_hadoop-hdfs.txt](https://ci-hadoop.apache.org/job/hadoop-multibranch/job/PR-2626/2/artifact/out/patch-unit-hadoop-hdfs-project_hadoop-hdfs.txt) | hadoop-hdfs in the patch passed. | | +1 :green_heart: | asflicense | 0m 44s | | The patch does not generate ASF License warnings. | |||| 231m 20s | |||| Reason | Tests | |-------:|:------| | Failed junit tests | hadoop.hdfs.qjournal.server.TestJournalNodeSync | | | hadoop.hdfs.TestViewDistributedFileSystem | | Subsystem | Report/Notes | |----------:|:--------------| | Docker | ClientAPI=1.41 ServerAPI=1.41 base: https://ci-hadoop.apache.org/job/hadoop-multibranch/job/PR-2626/2/artifact/out/Dockerfile | | GITHUB PR | https://github.com/apache/hadoop/pull/2626 | | Optional Tests | dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle | | uname | Linux 3651290512cc 4.15.0-65-generic #74-Ubuntu SMP Tue Sep 17 17:06:04 UTC 2019 x86_64 x86_64 x86_64 GNU/Linux | | Build tool | maven | | Personality | dev-support/bin/hadoop.sh | | git revision | trunk / 68bc721841d | | Default Java | Private Build-1.8.0_275-8u275-b01-0ubuntu1~18.04-b01 | | Multi-JDK versions | /usr/lib/jvm/java-11-openjdk-amd64:Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 /usr/lib/jvm/java-8-openjdk-amd64:Private Build-1.8.0_275-8u275-b01-0ubuntu1~18.04-b01 | | Test Results | https://ci-hadoop.apache.org/job/hadoop-multibranch/job/PR-2626/2/testReport/ | | Max. process+thread count | 3553 (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-2626/2/console | | versions | git=2.17.1 maven=3.6.0 findbugs=4.0.6 | | Powered by | Apache Yetus 0.13.0-SNAPSHOT https://yetus.apache.org | This message was automatically generated.

3. Merged. Thanks @goiri.

github_pulls_reviews:

1. You are following the same as in HDFS-14102 but I'd prefer extracting the int casting instead of doing it in the call. A little more verbose but I would extract it.
2. Removed the casting. Thank you @goiri.

jira_issues:

jira_issues_comments: