

Item 225

#### git\_comments:

1. \* \* ShortCircuitCache array size.
2. \* @return the clientShortCircuitNum
3. Readahead is always at least the size of one chunk in this test.
4. default: no-op

#### git\_commits:

1. **summary:** HDFS-15202 Boost short circuit cache (rebase PR-1884) (#2016)  
**message:** HDFS-15202 Boost short circuit cache (rebase PR-1884) (#2016) Added parameter dfs.client.short.circuit.num improving HDFS-client's massive reading performance by create few instances ShortCircuit caches instead of one. It helps avoid locks and lets CPU do job. (cherry picked from commit 86e6aa8eec538e142044e2b6415ec1caff5e9cbd)

#### github\_issues:

#### github\_issues\_comments:

#### github\_pulls:

1. **title:** HDFS-15202 Boost short circuit cache (rebase PR-1884)  
**body:** Added parameter dfs.client.short.circuit.num improving HDFS-client's massive reading performance by create few instances ShortCircuit caches instead of one. It helps avoid locks and lets CPU do job.

#### github\_pulls\_comments:

1. :broken\_heart: \*-1 overall\* | Vote | Subsystem | Runtime | Comment | |:----:|:-----:|:-----:|:-----:| |  
+0 :ok: | reexec | 26m 32s | 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: | test4tests | 0m 0s | The patch appears to include 4 new or modified test files. | ||| \_ trunk Compile Tests \_ | | +0 :ok: | mvndep | 0m 59s | Maven dependency ordering for branch | | +1 :green\_heart: | mvninstall | 23m 36s | trunk passed | | +1 :green\_heart: | compile | 3m 57s | trunk passed | | +1 :green\_heart: | checkstyle | 1m 4s | trunk passed | | +1 :green\_heart: | mvnsite | 2m 11s | trunk passed | | +1 :green\_heart: | shadedclient | 19m 13s | branch has no errors when building and testing our client artifacts. | | +1 :green\_heart: | javadoc | 1m 14s | trunk passed | | +0 :ok: | spotbugs | 3m 6s | Used deprecated FindBugs config; considering switching to SpotBugs. | | +1 :green\_heart: | findbugs | 5m 30s | trunk passed | ||| \_ Patch Compile Tests \_ | | +0 :ok: | mvndep | 0m 25s | Maven dependency ordering for patch | | +1 :green\_heart: | mvninstall | 2m 0s | the patch passed | | +1 :green\_heart: | compile | 3m 39s | the patch passed | | +1 :green\_heart: | javac | 3m 39s | the patch passed | | -0 :warning: | checkstyle | 1m 0s | hadoop-hdfs-project: The patch generated 1 new + 342 unchanged - 5 fixed = 343 total (was 347) | | +1 :green\_heart: | mvnsite | 1m 56s | the patch passed | | +1 :green\_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green\_heart: | xml | 0m 1s | The patch has no ill-formed XML file. | | +1 :green\_heart: | shadedclient | 15m 21s | patch has no errors when building and testing our client artifacts. | | +1 :green\_heart: | javadoc | 1m 6s | the patch passed | | +1 :green\_heart: | findbugs | 5m 35s | the patch passed | ||| \_ Other Tests \_ | | +1 :green\_heart: | unit | 1m 57s | hadoop-hdfs-client in the patch passed. | | -1 :x: | unit | 111m 13s | hadoop-hdfs in the patch passed. | | +1 :green\_heart: | asflicense | 0m 43s | The patch does not generate ASF License warnings. | ||| 229m 24s ||| Reason | Tests | |:-----:|:-----:| | Failed junit tests | hadoop.hdfs.server.namenode.ha.TestEditLogTailer |||  
hadoop.hdfs.server.balancer.TestBalancerWithHANamenodes |||  
hadoop.hdfs.server.namenode.ha.TestRetryCacheWithHA |||  
hadoop.hdfs.server.namenode.ha.TestBootstrapAliasmap |||  
hadoop.hdfs.TestSafeModeWithStripedFileWithRandomECPolicy || Subsystem | Report/Notes | |:-----:|:-----:| | Docker | ClientAPI=1.40 ServerAPI=1.40 base: https://builds.apache.org/job/hadoop-multibranch/job/PR-2016/1/artifact/out/Dockerfile | | GITHUB PR |  
https://github.com/apache/hadoop/pull/2016 | | Optional Tests | dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle xml | | uname | Linux dafaeeacd1b 4.15.0-74-

generic #84-Ubuntu SMP Thu Dec 19 08:06:28 UTC 2019 x86\_64 x86\_64 x86\_64 GNU/Linux || Build tool | maven | | Personality | personality/hadoop.sh | | git revision | trunk / d60496e6c66 | | Default Java | Private Build-1.8.0\_252-8u252-b09-1~18.04-b09 | | checkstyle | <https://builds.apache.org/job/hadoop-multibranch/job/PR-2016/1/artifact/out/diff-checkstyle-hadoop-hdfs-project.txt> | | unit | [https://builds.apache.org/job/hadoop-multibranch/job/PR-2016/1/artifact/out/patch-unit-hadoop-hdfs-project\\_hadoop-hdfs.txt](https://builds.apache.org/job/hadoop-multibranch/job/PR-2016/1/artifact/out/patch-unit-hadoop-hdfs-project_hadoop-hdfs.txt) | | Test Results | <https://builds.apache.org/job/hadoop-multibranch/job/PR-2016/1/testReport/> | | Max. process+thread count | 3415 (vs. ulimit of 5500) | | modules | C: hadoop-hdfs-project/hadoop-hdfs-client hadoop-hdfs-project/hadoop-hdfs U: hadoop-hdfs-project | | Console output | <https://builds.apache.org/job/hadoop-multibranch/job/PR-2016/1/console> | | versions | git=2.17.1 maven=3.6.0 findbugs=3.1.0-RC1 | | Powered by | Apache Yetus 0.12.0 <https://yetus.apache.org> | This message was automatically generated.

2. This is in continuation of #1884

3. :broken\_heart: \*-1 overall\* | Vote | Subsystem | Runtime | Comment | |:----:|:-----:|:-----:|:-----:| | +0 :ok: | reexec | 1m 14s | 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: | test4tests | 0m 0s | The patch appears to include 4 new or modified test files. | ||| \_ trunk Compile Tests \_ | | +0 :ok: | mvnprep | 0m 47s | Maven dependency ordering for branch | | +1 :green\_heart: | mvninstall | 22m 30s | trunk passed | | +1 :green\_heart: | compile | 3m 40s | trunk passed | | +1 :green\_heart: | checkstyle | 1m 1s | trunk passed | | +1 :green\_heart: | mvnsite | 2m 6s | trunk passed | | +1 :green\_heart: | shadedclient | 18m 43s | branch has no errors when building and testing our client artifacts. | | +1 :green\_heart: | javadoc | 1m 11s | trunk passed | | +0 :ok: | spotbugs | 3m 5s | Used deprecated FindBugs config; considering switching to SpotBugs. | | +1 :green\_heart: | findbugs | 5m 25s | trunk passed | ||| \_ Patch Compile Tests \_ | | +0 :ok: | mvnprep | 0m 22s | Maven dependency ordering for patch | | +1 :green\_heart: | mvninstall | 1m 55s | the patch passed | | +1 :green\_heart: | compile | 3m 32s | the patch passed | | +1 :green\_heart: | javac | 3m 32s | the patch passed | | +1 :green\_heart: | checkstyle | 0m 56s | hadoop-hdfs-project: The patch generated 0 new + 342 unchanged - 5 fixed = 342 total (was 347) | | +1 :green\_heart: | mvnsite | 1m 55s | the patch passed | | +1 :green\_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green\_heart: | xml | 0m 1s | The patch has no ill-formed XML file. | | +1 :green\_heart: | shadedclient | 15m 34s | patch has no errors when building and testing our client artifacts. | | +1 :green\_heart: | javadoc | 1m 9s | the patch passed | | +1 :green\_heart: | findbugs | 5m 31s | the patch passed | ||| \_ Other Tests \_ | | +1 :green\_heart: | unit | 1m 58s | hadoop-hdfs-client in the patch passed. | | -1 :x: | unit | 107m 4s | hadoop-hdfs in the patch passed. | | +1 :green\_heart: | asflicense | 0m 36s | The patch does not generate ASF License warnings. | ||| 197m 26s || Reason | Tests | |:-----:|:-----:| | Failed junit tests | hadoop.hdfs.server.balancer.TestBalancerWithHNameNodes || | hadoop.hdfs.server.namenode.TestNameNodeRetryCacheMetrics || Subsystem | Report/Notes | |:-----:|:-----:| | |:-----:|:-----:| | Docker | ClientAPI=1.40 ServerAPI=1.40 base: <https://builds.apache.org/job/hadoop-multibranch/job/PR-2016/2/artifact/out/Dockerfile> | | GITHUB PR | <https://github.com/apache/hadoop/pull/2016> | | Optional Tests | dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle xml | | uname | Linux 7e5040973a19 4.15.0-74-generic #84-Ubuntu SMP Thu Dec 19 08:06:28 UTC 2019 x86\_64 x86\_64 x86\_64 GNU/Linux | | Build tool | maven | | Personality | personality/hadoop.sh | | git revision | trunk / 743c2e9071f | | Default Java | Private Build-1.8.0\_252-8u252-b09-1~18.04-b09 | | unit | [https://builds.apache.org/job/hadoop-multibranch/job/PR-2016/2/artifact/out/patch-unit-hadoop-hdfs-project\\_hadoop-hdfs.txt](https://builds.apache.org/job/hadoop-multibranch/job/PR-2016/2/artifact/out/patch-unit-hadoop-hdfs-project_hadoop-hdfs.txt) | | Test Results | <https://builds.apache.org/job/hadoop-multibranch/job/PR-2016/2/testReport/> | | Max. process+thread count | 3185 (vs. ulimit of 5500) | | modules | C: hadoop-hdfs-project/hadoop-hdfs-client hadoop-hdfs-project/hadoop-hdfs U: hadoop-hdfs-project | | Console output | <https://builds.apache.org/job/hadoop-multibranch/job/PR-2016/2/console> | | versions | git=2.17.1 maven=3.6.0 findbugs=3.1.0-RC1 | | Powered by | Apache Yetus 0.12.0 <https://yetus.apache.org> | This message was automatically generated.
4. :broken\_heart: \*-1 overall\* | Vote | Subsystem | Runtime | Comment | |:----:|:-----:|:-----:|:-----:| | +0 :ok: | reexec | 0m 0s | Docker mode activated. | | -1 :x: | docker | 0m 1s | Docker command '/usr/bin/docker' is too old ( < API v 1.27.0). | | Subsystem | Report/Notes | |:-----:|:-----:| | Console output | <https://builds.apache.org/job/hadoop-multibranch/job/PR-2016/3/console> | | versions | git=2.17.1 | | Powered by | Apache Yetus 0.12.0 <https://yetus.apache.org> | This message was automatically generated.
5. :broken\_heart: \*-1 overall\* | Vote | Subsystem | Runtime | Comment | |:----:|:-----:|:-----:|:-----:| | +0 :ok: | reexec | 0m 0s | Docker mode activated. | | -1 :x: | docker | 0m 0s | Docker command '/usr/bin/docker' is too old ( < API v 1.27.0). | | Subsystem | Report/Notes | |:-----:|:-----:| | Console output | <https://builds.apache.org/job/hadoop-multibranch/job/PR-2016/4/console> | | versions |

git=2.17.1 || Powered by | Apache Yetus 0.12.0 <https://yetus.apache.org> | This message was automatically generated.

6. :broken\_heart: \*-1 overall\* | Vote | Subsystem | Runtime | Comment | |:----:|-----:|-----:|:-----| | +0 :ok: | reexec | 0m 0s | Docker mode activated. | | -1 :x: | docker | 0m 0s | Docker command '/usr/bin/docker' is too old ( < API v 1.27.0). | | Subsystem | Report/Notes | |-----:|:-----| | Console output | <https://builds.apache.org/job/hadoop-multibranch/job/PR-2016/5/console> | | versions | git=2.17.1 || Powered by | Apache Yetus 0.12.0 <https://yetus.apache.org> | This message was automatically generated.

7. No I think you're fine. You probably need to rebase the PR to use the new docker. But I'll merge this one.

#### **github\_pulls\_reviews:**

1. A lot of test code changes are not needed if you add an overriding method  
runBlockReaderLocalTest(BlockReaderLocalTest test, boolean checksum, long readahead) that calls  
runBlockReaderLocalTest(test, checksum, readahead, 1);
2. Thank you, I fixed it. But below by link writes "Could not update commit status". Should I create new PR or it is enough?

#### **jira\_issues:**

#### **jira\_issues\_comments:**