

**git\_comments:**

**git\_commits:**

1. **summary:** HDFS-15720 namenode audit async logger should add some log4j config (#2532)  
**message:** HDFS-15720 namenode audit async logger should add some log4j config (#2532) (cherry picked from commit 9bd3c9bc50672ebdd7f12b9a2235aec37b2a07cf) (cherry picked from commit bc5458bbd4e6829bc02de57671c017fbdac06849)

**github\_issues:**

**github\_issues\_comments:**

**github\_pulls:**

- 1. title:** HDFS-15720 namenode audit async logger should add some log4j config

**body:** ## detail <https://issues.apache.org/jira/browse/HDFS-15720> Hadoop project use log4j 1.2.x, we can't config some properties of logger in log4j.properties file , For example, AsyncAppender BufferSize and Blocking see <https://logging.apache.org/log4j/1.2/apidocs/index.html>. Namenode should add some audit async logger log4j config In order to facilitate the adjustment of log4j usage and audit log output performance adjustment. The new configuration is as follows `dfs.namenode.audit.log.async.blocking false` `dfs.namenode.audit.log.async.buffer.size 128` ## test no test.

### github\_pulls\_comments:

1. @jojochuang @saintstack ping. Thanks for reviewing it.
2. I don't know much about log4j. What values make good performance?
3. @jojochuang It just provide options to modify log4j configuration when we enable hdfs audit async logger. In most scenarios, those configurations are irrelevant. But in high concurrency scenarios, namenode will generate a lot of audit logs, and a large amount of audit log output will affect the performance of namenode. So in our production env, namenode generates 50w+ per min audit logs, we set AsyncAppender Blocking (default value true) to false and buffersize (default value 128) to 1024 to ensure namenode performance
4. :broken\_heart: \*-1 overall\*\* | Vote | Subsystem | Runtime | Logfile | Comment | | :----:|-----:|-----:|:-  
-----:|:-----:| | +0 :ok: | reexec | 26m 34s | | 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 | 32m 57s | | trunk passed | | +1 :green\_heart: | compile | 1m 19s | | trunk passed  
with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green\_heart: | compile | 1m 14s | | trunk  
passed with JDK Private Build-1.8.0\_275-8u275-b01-0ubuntu1~18.04-b01 | | +1 :green\_heart: |  
checkstyle | 1m 4s | | trunk passed | | +1 :green\_heart: | mvnsite | 1m 20s | | trunk passed | | +1  
:green\_heart: | shadedclient | 17m 39s | | branch has no errors when building and testing our client  
artifacts. | | +1 :green\_heart: | javadoc | 0m 55s | | trunk passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-  
0ubuntu1.18.04 | | +1 :green\_heart: | javadoc | 1m 27s | | trunk passed with JDK Private Build-1.8.0\_275-  
8u275-b01-0ubuntu1~18.04-b01 | | +0 :ok: | spotbugs | 3m 3s | | Used deprecated FindBugs config;  
considering switching to SpotBugs. | | +1 :green\_heart: | findbugs | 3m 1s | | trunk passed | ||| \_ Patch  
Compile Tests \_ || +1 :green\_heart: | mvninstall | 1m 9s | | the patch passed | | +1 :green\_heart: | compile |  
1m 15s | | the patch passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green\_heart: |  
javac | 1m 15s | | the patch passed | | +1 :green\_heart: | compile | 1m 14s | | the patch passed with JDK  
Private Build-1.8.0\_275-8u275-b01-0ubuntu1~18.04-b01 | | +1 :green\_heart: | javac | 1m 14s | | the patch  
passed | | -0 :warning: | checkstyle | 0m 53s | | [/diff-checkstyle-hadoop-hdfs-project\_hadoop-hdfs.txt]  
([https://ci-hadoop.apache.org/job/hadoop-multibranch/job/PR-2532/1/artifact/out/diff-checkstyle-hadoop-hdfs-project\\_hadoop-hdfs.txt](https://ci-hadoop.apache.org/job/hadoop-multibranch/job/PR-2532/1/artifact/out/diff-checkstyle-hadoop-hdfs-project_hadoop-hdfs.txt)) |  
hadoop-hdfs-project/hadoop-hdfs: The patch generated 4 new + 622  
unchanged - 0 fixed = 626 total (was 622) | | +1 :green\_heart: | mvnsite | 1m 10s | | the patch passed | | +1  
:green\_heart: | whitespace | 0m 0s | | The patch has no whitespace issues. | | +1 :green\_heart: |  
shadedclient | 15m 50s | | patch has no errors when building and testing our client artifacts. | | +1

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:green_heart: | javadoc | 0m 50s | | the patch passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04
| +1 :green_heart: | javadoc | 1m 25s | | the patch passed with JDK Private Build-1.8.0_275-8u275-b01-
0ubuntu1~18.04-b01 | | +1 :green_heart: | findbugs | 3m 16s | | the patch passed | ||| _ Other Tests _ | -1
:x: | unit | 101m 26s | [/patch-unit-hadoop-hdfs-project_hadoop-hdfs.txt](https://ci-
hadoop.apache.org/job/hadoop-multibranch/job/PR-2532/1/artifact/out/patch-unit-hadoop-hdfs-
project_hadoop-hdfs.txt) | hadoop-hdfs in the patch passed. | +1 :green_heart: | asflicense | 0m 42s | | The
patch does not generate ASF License warnings. | | | 218m 26s | | | Reason | Tests | |-----:|-----| | Failed
junit tests | hadoop.hdfs.server.namenode.TestStripedINodeFile | | |
hadoop.hdfs.server.blockmanagement.TestUnderReplicatedBlocks | | |
hadoop.hdfs.server.namenode.TestReencryptionWithKMS | | |
hadoop.hdfs.server.namenode.TestAddStripedBlocks | | | hadoop.tools.TestHdfsConfigFields | | |
hadoop.hdfs.server.namenode.TestCacheDirectives | | |
hadoop.hdfs.server.namenode.TestReconstructStripedBlocks | | |
hadoop.hdfs.server.namenode.TestDeleteRace | | |
hadoop.hdfs.server.namenode.TestFSImageWithSnapshot | | Subsystem | Report/Notes | |-----:|-----
----| | Docker | ClientAPI=1.41 ServerAPI=1.41 base: https://ci-hadoop.apache.org/job/hadoop-
multibranch/job/PR-2532/1/artifact/out/Dockerfile | | GITHUB PR |
https://github.com/apache/hadoop/pull/2532 | | Optional Tests | dupname asflicense compile javac javadoc
mvninstall mvnsite unit shadedclient findbugs checkstyle | | uname | Linux 2f6284922df1 4.15.0-60-
generic #67-Ubuntu SMP Thu Aug 22 16:55:30 UTC 2019 x86_64 x86_64 x86_64 GNU/Linux | | Build
tool | maven | | Personality | dev-support/bin/hadoop.sh | | git revision | trunk / aaf9e3d320a | | 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-2532/1/testReport/ | | Max. process+thread count |
4000 (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-
2532/1/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.

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5. > patch looks good. Please also add the configuration keys and values to hdfs-default.xml. +1 after that.  
done @jojochuang
6. :broken\_heart: \*-1 overall\* | Vote | Subsystem | Runtime | Logfile | Comment | |----:|-----:|-----:|-----:|-----:| | +0 :ok: | reexec | 0m 40s | | 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 | 35m 25s | | trunk passed | | +1 :green\_heart: | compile | 1m 35s | | trunk passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green\_heart: | compile | 1m 24s | | trunk passed with JDK Private Build-1.8.0\_275-8u275-b01-0ubuntu1~18.04-b01 | | +1 :green\_heart: | checkstyle | 1m 9s | | trunk passed | | +1 :green\_heart: | mvnsite | 1m 32s | | trunk passed | | +1 :green\_heart: | shadedclient | 21m 30s | | branch has no errors when building and testing our client artifacts. | | +1 :green\_heart: | javadoc | 1m 3s | | trunk passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green\_heart: | javadoc | 1m 37s | | trunk passed with JDK Private Build-1.8.0\_275-8u275-b01-0ubuntu1~18.04-b01 | | +0 :ok: | spotbugs | 3m 36s | | Used deprecated FindBugs config; considering switching to SpotBugs. | | +1 :green\_heart: | findbugs | 3m 34s | | trunk passed | ||| \_ Patch Compile Tests \_ | | +1 :green\_heart: | mvninstall | 1m 20s | | the patch passed | | +1 :green\_heart: | compile | 1m 28s | | the patch passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green\_heart: | javac | 1m 28s | | the patch passed | | +1 :green\_heart: | compile | 1m 16s | | the patch passed with JDK Private Build-1.8.0\_275-8u275-b01-0ubuntu1~18.04-b01 | | +1 :green\_heart: | javac | 1m 16s | | the patch passed | | -0 :warning: | checkstyle | 0m 55s | | [/diff-checkstyle-hadoop-hdfs-project\_hadoop-hdfs.txt](https://ci-hadoop.apache.org/job/hadoop-multibranch/job/PR-2532/2/artifact/out/diff-checkstyle-hadoop-hdfs-project\_hadoop-hdfs.txt) | hadoop-hdfs-project/hadoop-hdfs: The patch generated 4 new + 622 unchanged - 0 fixed = 626 total (was 622) | | +1 :green\_heart: | mvnsite | 1m 20s | | the patch passed | | +1 :green\_heart: | whitespace | 0m 0s | | The patch has no whitespace issues. | | +1 :green\_heart: | shadedclient | 18m 31s | | patch has no errors when building and testing our client artifacts. | | +1 :green\_heart: | javadoc | 0m 56s | | the patch passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green\_heart: | javadoc | 1m 30s | | the patch passed with JDK Private Build-1.8.0\_275-8u275-b01-0ubuntu1~18.04-b01 | | +1 :green\_heart: | findbugs | 3m 49s | | the patch passed | ||| \_ Other Tests \_ | | -1

:x: | unit | 101m 22s | [/patch-unit-hadoop-hdfs-project\_hadoop-hdfs.txt](https://ci-hadoop.apache.org/job/hadoop-multibranch/job/PR-2532/2/artifact/out/patch-unit-hadoop-hdfs-project\_hadoop-hdfs.txt) | hadoop-hdfs in the patch passed. | +1 :green\_heart: | asflicense | 0m 41s | | The patch does not generate ASF License warnings. | | | 204m 21s | | | Reason | Tests | |-----:|-----| | Failed junit tests | hadoop.hdfs.TestFileCreation | | hadoop.hdfs.TestDFSStripedOutputStreamWithFailure | | hadoop.hdfs.TestDecommissionWithStripedBackoffMonitor | | | hadoop.hdfs.TestDecommissionWithStriped | | | hadoop.hdfs.TestErasureCodingPolicies | | | hadoop.hdfs.TestDFSOutputStream | | | hadoop.tools.TestHdfsConfigFields | | Subsystem | Report/Notes | |-----:|-----:| | Docker | ClientAPI=1.41 ServerAPI=1.41 base: https://ci-hadoop.apache.org/job/hadoop-multibranch/job/PR-2532/2/artifact/out/Dockerfile | | GITHUB PR | https://github.com/apache/hadoop/pull/2532 | | Optional Tests | dupname asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle | | uname | Linux 9caf0a66fd05 4.15.0-60-generic #67-Ubuntu SMP Thu Aug 22 16:55:30 UTC 2019 x86\_64 x86\_64 x86\_64 GNU/Linux | | Build tool | maven | | Personality | dev-support/bin/hadoop.sh | | git revision | trunk / aaf9e3d320a | | 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-2532/2/testReport/ | | Max. process+thread count | 3962 (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-2532/2/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.

7. :broken\_heart: \*-1 overall\* | Vote | Subsystem | Runtime | Logfile | Comment | |-----:|-----:|-----:|-----:|-----:| +0 :ok: | reexec | 0m 43s | | 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 48s | | trunk passed | | +1 :green\_heart: | compile | 1m 20s | | trunk passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green\_heart: | compile | 1m 15s | | trunk passed with JDK Private Build-1.8.0\_275-8u275-b01-0ubuntu1~18.04-b01 | | +1 :green\_heart: | checkstyle | 1m 4s | | trunk passed | | +1 :green\_heart: | mvnsite | 1m 22s | | trunk passed | | +1 :green\_heart: | shadedclient | 17m 43s | | branch has no errors when building and testing our client artifacts. | | +1 :green\_heart: | javadoc | 0m 53s | | trunk passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green\_heart: | javadoc | 1m 28s | | trunk passed with JDK Private Build-1.8.0\_275-8u275-b01-0ubuntu1~18.04-b01 | | +0 :ok: | spotbugs | 3m 1s | | Used deprecated FindBugs config; considering switching to SpotBugs. | | +1 :green\_heart: | findbugs | 2m 59s | | trunk passed | | | \_ Patch Compile Tests \_ | | +1 :green\_heart: | mvninstall | 1m 13s | | the patch passed | | +1 :green\_heart: | compile | 1m 10s | | the patch passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green\_heart: | javac | 1m 10s | | the patch passed | | +1 :green\_heart: | compile | 1m 7s | | the patch passed with JDK Private Build-1.8.0\_275-8u275-b01-0ubuntu1~18.04-b01 | | +1 :green\_heart: | javac | 1m 7s | | the patch passed | | -0 :warning: | checkstyle | 0m 55s | | [/diff-checkstyle-hadoop-hdfs-project\_hadoop-hdfs.txt](https://ci-hadoop.apache.org/job/hadoop-multibranch/job/PR-2532/3/artifact/out/diff-checkstyle-hadoop-hdfs-project\_hadoop-hdfs.txt) | hadoop-hdfs-project/hadoop-hdfs: The patch generated 4 new + 622 unchanged - 0 fixed = 626 total (was 622) | | +1 :green\_heart: | mvnsite | 1m 13s | | 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 | 14m 59s | | patch has no errors when building and testing our client artifacts. | | +1 :green\_heart: | javadoc | 0m 48s | | the patch passed with JDK Ubuntu-11.0.9.1+1-Ubuntu-0ubuntu1.18.04 | | +1 :green\_heart: | javadoc | 1m 23s | | the patch passed with JDK Private Build-1.8.0\_275-8u275-b01-0ubuntu1~18.04-b01 | | +1 :green\_heart: | findbugs | 3m 0s | | 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-2532/3/artifact/out/patch-unit-hadoop-hdfs-project\_hadoop-hdfs.txt) | hadoop-hdfs in the patch passed. | | +1 :green\_heart: | asflicense | 0m 43s | | The patch does not generate ASF License warnings. | | | 193m 58s | | | Reason | Tests | |-----:|-----:| | Failed junit tests | hadoop.hdfs.TestFileCreation | | | hadoop.hdfs.server.namenode.ha.TestBootstrapAliasmap | | | hadoop.hdfs.server.blockmanagement.TestUnderReplicatedBlocks | | | hadoop.hdfs.server.balancer.TestBalancerWithMultipleNameNodes | | Subsystem | Report/Notes | |-----:|-----:| | Docker | ClientAPI=1.41 ServerAPI=1.41 base: https://ci-hadoop.apache.org/job/hadoop-

multibranch/job/PR-2532/3/artifact/out/Dockerfile || GITHUB PR |  
https://github.com/apache/hadoop/pull/2532 || Optional Tests | dupname asflicense compile javac javadoc  
mvninstall mvnsite unit shadedclient findbugs checkstyle xml || uname | Linux 0e57fcc2a7e6 4.15.0-60-  
generic #67-Ubuntu SMP Thu Aug 22 16:55:30 UTC 2019 x86\_64 x86\_64 x86\_64 GNU/Linux || Build  
tool | maven || Personality | dev-support/bin/hadoop.sh || git revision | trunk / aaf9e3d320a || 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-2532/3/testReport/ || Max. process+thread count |  
4251 (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-  
2532/3/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.

8. The checks from jenkins has failed, but I can't find any error about the patch. Is it ok to merge?

9. > The checks from jenkins has failed, but I can't find any error about the patch. Is it ok to merge?

@jojochuang Though these checks has failed, Is it ok to merge. thx

10. +1 test failures appear unrelated.

**github\_pulls\_reviews:**

**jira\_issues:**

**jira\_issues\_comments:**