

**git\_comments:**

1. \* \* @return byteSize success synced to underlying filesystem.
2. \* \* NOTE: We add this method for {@link WALFileLengthProvider} used for replication, \* considering the case if we use {@link AsyncFSWAL}, we write to 3 DN's concurrently, \* according to the visibility guarantee of HDFS, the data will be available immediately \* when arriving at DN since all the DN's will be considered as the last one in pipeline. \* This means replication may read uncommitted data and replicate it to the remote cluster \* and cause data inconsistency. \* The method {@link WriterBase#getLength} may return length which just in hdfs client \* buffer and not successfully synced to HDFS, so we use this method to return the length \* successfully synced to HDFS and replication thread could only read writing WAL file \* limited by this length. \* see also HBASE-14004 and this document for more details: \* <https://docs.google.com/document/d/11AyWtGhItQs6vsLRlx32PwTxmBY3libXwGXl25obVEY/edit#> \* @return byteSize successfully synced to underlying filesystem.

**git\_commits:**

1. **summary:** HBASE-24625 AsyncFSWAL.getLogFileSizeIfBeingWritten does not return the expected synced file length.(#2034)  
**message:** HBASE-24625 AsyncFSWAL.getLogFileSizeIfBeingWritten does not return the expected synced file length.(#2034) Signed-off-by: Duo Zhang <zhangduo@apache.org> Signed-off-by: Nick Dimiduk <ndimiduk@apache.org>

**github\_issues:****github\_issues\_comments:****github\_pulls:**

1. **title:** Backport "HBASE-24625 AsyncFSWAL.getLogFileSizeIfBeingWritten does not return the expected synced file length. (#1970)" to branch-2  
**body:** This PR is different from #1970 as follows, which makes the `AsyncFSWAL.doShutdown` consistent with the master: 1. In `AsyncFSWAL.doShutdown` method, after we invoke `closeWriter()`, we set the `writer` to null 2. At the end of `TestWALEntryStream.testReplicationSourceWALReaderRecovered` : ` - // Actually this should be true but we haven't handled this yet since for a normal queue the ` - // last one is always open... Not a big deal for now.` ` - assertFalse(batch.isEndOfFile());` ` + assertTrue(batch.isEndOfFile());`

**github\_pulls\_comments:**

1. :confetti\_ball: \*\*+1 overall\*\* | Vote | Subsystem | Runtime | Comment | |:----:|:-----:|:-----:|:-----:| +0 :ok: | reexec | 1m 32s | Docker mode activated. | ||| \_ Prechecks \_ | | +1 :green\_heart: | dupname | 0m 0s | No case conflicting files found. | | +1 :green\_heart: | hbaseanti | 0m 0s | Patch does not have any anti-patterns. | | +1 :green\_heart: | @author | 0m 0s | The patch does not contain any @author tags. | ||| \_ branch-2 Compile Tests \_ | | +0 :ok: | mvndep | 0m 15s | Maven dependency ordering for branch | | +1 :green\_heart: | mvninstall | 4m 11s | branch-2 passed | | +1 :green\_heart: | checkstyle | 1m 33s | branch-2 passed | | +1 :green\_heart: | spotbugs | 2m 51s | branch-2 passed | ||| \_ Patch Compile Tests \_ | | +0 :ok: | mvndep | 0m 13s | Maven dependency ordering for patch | | +1 :green\_heart: | mvninstall | 3m 43s | the patch passed | | +1 :green\_heart: | checkstyle | 0m 13s | The patch passed checkstyle in hbase-asyncfs | | +1 :green\_heart: | checkstyle | 1m 17s | hbase-server: The patch generated 0 new + 46 unchanged - 3 fixed = 46 total (was 49) | | +1 :green\_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green\_heart: | hadoopcheck | 13m 16s | Patch does not cause any errors with Hadoop 3.1.2 3.2.1. | | +1 :green\_heart: | spotbugs | 3m 36s | the patch passed | ||| \_ Other Tests \_ | | +1 :green\_heart: | asflicense | 0m 27s | The patch does not generate ASF License warnings. | ||| 42m 25s ||| Subsystem | Report/Notes | |:-----:|:-----:| | Docker | Client=19.03.12 Server=19.03.12 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/1/artifact/yetus-general-check/output/Dockerfile | | GITHUB PR | https://github.com/apache/hbase/pull/2034 | | Optional Tests | dupname asflicense spotbugs hadoopcheck hbaseanti checkstyle | | uname | Linux 04425fa0101c 4.15.0-91-generic #92-Ubuntu SMP Fri Feb 28 11:09:48 UTC 2020 x86\_64 x86\_64 x86\_64 GNU/Linux | | Build tool | maven | | Personality | dev-support/hbase-personality.sh | | git revision | branch-2 / 28602d6fdb | | Max. process+thread count | 84 (vs.

ulimit of 12500) | modules | C: hbase-asyncfs hbase-server U: . | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/1/console> | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) spotbugs=3.1.12 | Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.

2. :confetti\_ball: **\*\*\*+1 overall\*\*** | Vote | Subsystem | Runtime | Comment | |-----:|-----:|-----:|-----:| | +0 :ok: | reexec | 6m 57s | Docker mode activated. | | -0 :warning: | yetus | 0m 7s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck | ||| \_ Prechecks \_ | ||| \_ branch-2 Compile Tests \_ | | +0 :ok: | mvndep | 0m 15s | Maven dependency ordering for branch | | +1 :green\_heart: | mvninstall | 4m 38s | branch-2 passed | | +1 :green\_heart: | compile | 1m 31s | branch-2 passed | | +1 :green\_heart: | shadedjars | 6m 28s | branch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 17s | hbase-asyncfs in branch-2 failed. | | -0 :warning: | javadoc | 0m 40s | hbase-server in branch-2 failed. | ||| \_ Patch Compile Tests \_ | | +0 :ok: | mvndep | 0m 19s | Maven dependency ordering for patch | | +1 :green\_heart: | mvninstall | 4m 27s | the patch passed | | +1 :green\_heart: | compile | 1m 33s | the patch passed | | +1 :green\_heart: | javac | 1m 33s | the patch passed | | +1 :green\_heart: | shadedjars | 6m 21s | patch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 15s | hbase-asyncfs in the patch failed. | | -0 :warning: | javadoc | 0m 40s | hbase-server in the patch failed. | ||| \_ Other Tests \_ | | +1 :green\_heart: | unit | 1m 35s | hbase-asyncfs in the patch passed. | | +1 :green\_heart: | unit | 199m 25s | hbase-server in the patch passed. | ||| 237m 36s | | Subsystem | Report/Notes | |-----:|-----:| | Docker | Client=19.03.12 Server=19.03.12 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/1/artifact/yetus-jdk11-hadoop3-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/2034> | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux 2e5887aeab55 4.15.0-101-generic #102-Ubuntu SMP Mon May 11 10:07:26 UTC 2020 x86\_64 x86\_64 x86\_64 GNU/Linux | | Build tool | maven | | Personality | dev-support/hbase-personality.sh | | git revision | branch-2 / 28602d6fdb | | Default Java | 2020-01-14 | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/1/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-asyncfs.txt> | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/1/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-server.txt> | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/1/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-asyncfs.txt> | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/1/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-server.txt> | | Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/1/testReport/> | | Max. process+thread count | 2556 (vs. ulimit of 12500) | | modules | C: hbase-asyncfs hbase-server U: . | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/1/console> | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.

3. :confetti\_ball: **\*\*\*+1 overall\*\*** | Vote | Subsystem | Runtime | Comment | |-----:|-----:|-----:|-----:| | +0 :ok: | reexec | 1m 32s | Docker mode activated. | | -0 :warning: | yetus | 0m 7s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck | ||| \_ Prechecks \_ | ||| \_ branch-2 Compile Tests \_ | | +0 :ok: | mvndep | 0m 15s | Maven dependency ordering for branch | | +1 :green\_heart: | mvninstall | 4m 11s | branch-2 passed | | +1 :green\_heart: | compile | 1m 23s | branch-2 passed | | +1 :green\_heart: | shadedjars | 5m 44s | branch has no errors when building our shaded downstream artifacts. | | +1 :green\_heart: | javadoc | 0m 52s | branch-2 passed | ||| \_ Patch Compile Tests \_ | | +0 :ok: | mvndep | 0m 14s | Maven dependency ordering for patch | | +1 :green\_heart: | mvninstall | 3m 49s | the patch passed | | +1 :green\_heart: | compile | 1m 19s | the patch passed | | +1 :green\_heart: | javac | 1m 19s | the patch passed | | +1 :green\_heart: | shadedjars | 5m 31s | patch has no errors when building our shaded downstream artifacts. | | +1 :green\_heart: | javadoc | 0m 53s | the patch passed | ||| \_ Other Tests \_ | | +1 :green\_heart: | unit | 2m 30s | hbase-asyncfs in the patch passed. | | +1 :green\_heart: | unit | 207m 14s | hbase-server in the patch passed. | ||| 237m 35s | | Subsystem | Report/Notes | |-----:|-----:| | Docker | Client=19.03.12 Server=19.03.12 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/1/artifact/yetus-jdk8-hadoop2-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/2034> | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux 5e3721add3b 4.15.0-91-generic #92-Ubuntu SMP Fri Feb 28 11:09:48 UTC 2020 x86\_64 x86\_64 x86\_64 GNU/Linux | | Build tool | maven | | Personality | dev-support/hbase-personality.sh | | git revision | branch-2 / 28602d6fdb | | Default Java | 1.8.0\_232 | | Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/1/testReport/> | | Max. process+thread count | 2595 (vs. ulimit of 12500) | | modules | C: hbase-asyncfs hbase-server U: . | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/1/console> | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.

4. :confetti\_ball: **\*\*+1 overall\*\*** | Vote | Subsystem | Runtime | Comment | |:----:|-----:|-----:|:-----| | +0 :ok: | reexec | 1m 39s | Docker mode activated. | ||| \_ Prechecks \_ | | +1 :green\_heart: | dupname | 0m 0s | No case conflicting files found. | | +1 :green\_heart: | hbaseanti | 0m 0s | Patch does not have any anti-patterns. | | +1 :green\_heart: | @author | 0m 0s | The patch does not contain any @author tags. | ||| \_ branch-2 Compile Tests \_ | | +0 :ok: | mvninstall | 0m 14s | Maven dependency ordering for branch | | +1 :green\_heart: | mvninstall | 3m 56s | branch-2 passed | | +1 :green\_heart: | checkstyle | 1m 29s | branch-2 passed | | +1 :green\_heart: | spotbugs | 2m 45s | branch-2 passed | ||| \_ Patch Compile Tests \_ | | +0 :ok: | mvninstall | 0m 13s | Maven dependency ordering for patch | | +1 :green\_heart: | mvninstall | 3m 47s | the patch passed | | +1 :green\_heart: | checkstyle | 0m 13s | The patch passed checkstyle in hbase-asyncfs | | +1 :green\_heart: | checkstyle | 1m 17s | hbase-server: The patch generated 0 new + 46 unchanged - 3 fixed = 46 total (was 49) | | +1 :green\_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green\_heart: | hadoopcheck | 13m 9s | Patch does not cause any errors with Hadoop 3.1.2 3.2.1. | | +1 :green\_heart: | spotbugs | 3m 34s | the patch passed | ||| \_ Other Tests \_ | | +1 :green\_heart: | asflicense | 0m 22s | The patch does not generate ASF License warnings. | ||| 41m 53s | | Subsystem | Report/Notes | |-----:|:-----:| | Docker | Client=19.03.12 Server=19.03.12 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/2/artifact/yetus-general-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/2034> | | Optional Tests | dupname asflicense spotbugs hadoopcheck hbaseanti checkstyle | | uname | Linux d8f57672c778 4.15.0-91-generic #92-Ubuntu SMP Fri Feb 28 11:09:48 UTC 2020 x86\_64 x86\_64 x86\_64 GNU/Linux | | Build tool | maven | | Personality | dev-support/hbase-personality.sh | | git revision | branch-2 / 28602d6fdb | | Max. process+thread count | 84 (vs. ulimit of 12500) | | modules | C: hbase-asyncfs hbase-server U: . | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/2/console> | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) spotbugs=3.1.12 | | Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.
5. :confetti\_ball: **\*\*+1 overall\*\*** | Vote | Subsystem | Runtime | Comment | |:----:|-----:|-----:|:-----| | +0 :ok: | reexec | 1m 39s | Docker mode activated. | | -0 :warning: | yetus | 0m 6s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck | ||| \_ Prechecks \_ | ||| \_ branch-2 Compile Tests \_ | | +0 :ok: | mvninstall | 0m 13s | Maven dependency ordering for branch | | +1 :green\_heart: | mvninstall | 3m 51s | branch-2 passed | | +1 :green\_heart: | compile | 1m 23s | branch-2 passed | | +1 :green\_heart: | shadedjars | 5m 40s | branch has no errors when building our shaded downstream artifacts. | | +1 :green\_heart: | javadoc | 0m 52s | branch-2 passed | ||| \_ Patch Compile Tests \_ | | +0 :ok: | mvninstall | 0m 15s | Maven dependency ordering for patch | | +1 :green\_heart: | mvninstall | 3m 47s | the patch passed | | +1 :green\_heart: | compile | 1m 18s | the patch passed | | +1 :green\_heart: | javac | 1m 18s | the patch passed | | +1 :green\_heart: | shadedjars | 5m 32s | patch has no errors when building our shaded downstream artifacts. | | +1 :green\_heart: | javadoc | 0m 51s | the patch passed | ||| \_ Other Tests \_ | | +1 :green\_heart: | unit | 2m 11s | hbase-asyncfs in the patch passed. | | +1 :green\_heart: | unit | 198m 54s | hbase-server in the patch passed. | ||| 228m 30s | | Subsystem | Report/Notes | |-----:|:-----:| | Docker | Client=19.03.12 Server=19.03.12 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/2/artifact/yetus-jdk8-hadoop2-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/2034> | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux 7aed00308e0b 4.15.0-91-generic #92-Ubuntu SMP Fri Feb 28 11:09:48 UTC 2020 x86\_64 x86\_64 x86\_64 GNU/Linux | | Build tool | maven | | Personality | dev-support/hbase-personality.sh | | git revision | branch-2 / 28602d6fdb | | Default Java | 1.8.0\_232 | | Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/2/testReport/> | | Max. process+thread count | 2517 (vs. ulimit of 12500) | | modules | C: hbase-asyncfs hbase-server U: . | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/2/console> | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | | Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.
6. :broken\_heart: **\*\*+1 overall\*\*** | Vote | Subsystem | Runtime | Comment | |:----:|-----:|-----:|:-----| | +0 :ok: | reexec | 1m 34s | Docker mode activated. | | -0 :warning: | yetus | 0m 5s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck | ||| \_ Prechecks \_ | ||| \_ branch-2 Compile Tests \_ | | +0 :ok: | mvninstall | 0m 16s | Maven dependency ordering for branch | | +1 :green\_heart: | mvninstall | 5m 1s | branch-2 passed | | +1 :green\_heart: | compile | 1m 46s | branch-2 passed | | +1 :green\_heart: | shadedjars | 6m 49s | branch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 18s | hbase-asyncfs in branch-2 failed. | | -0 :warning: | javadoc | 0m 43s | hbase-server in branch-2 failed. | ||| \_ Patch Compile Tests \_ | | +0 :ok: | mvninstall | 0m 16s | Maven dependency ordering for patch | | +1 :green\_heart: | mvninstall | 5m 9s | the patch passed | | +1 :green\_heart: | compile | 1m 46s | the patch passed | | +1 :green\_heart: | javac | 1m 46s | the patch passed | | +1 :green\_heart: | shadedjars | 6m 53s | patch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 16s | hbase-asyncfs in the patch failed. | | -0

:warning: | javadoc | 0m 43s | hbase-server in the patch failed. | ||| \_ Other Tests \_ | | +1 :green\_heart: | unit | 1m 50s | hbase-asyncfs in the patch passed. | | -1 :x: | unit | 212m 9s | hbase-server in the patch failed. | ||| 247m 43s | | Subsystem | Report/Notes | |-----:|:-----| | Docker | Client=19.03.12 Server=19.03.12 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/2/artifact/yetus-jdk11-hadoop3-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/2034> | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux 27b7f069139e 4.15.0-101-generic #102-Ubuntu SMP Mon May 11 10:07:26 UTC 2020 x86\_64 x86\_64 x86\_64 GNU/Linux | | Build tool | maven | | Personality | dev-support/hbase-personality.sh | | git revision | branch-2 / 28602d6fdb | | Default Java | 2020-01-14 | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/2/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-asyncfs.txt> | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/2/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-server.txt> | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/2/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-asyncfs.txt> | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/2/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-server.txt> | | unit | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/2/artifact/yetus-jdk11-hadoop3-check/output/patch-unit-hbase-server.txt> | | Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/2/testReport/> | | Max. process+thread count | 2476 (vs. ulimit of 12500) | | modules | C: hbase-asyncfs hbase-server U: . | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/2/console> | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | | Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.

7. :confetti\_ball: \*\*\*+1 overall\*\* | Vote | Subsystem | Runtime | Comment | |:----:|:-----:|:-----:|:-----:| | +0 :ok: | reexec | 0m 43s | Docker mode activated. | ||| \_ Prechecks \_ | | +1 :green\_heart: | dupname | 0m 1s | No case conflicting files found. | | +1 :green\_heart: | hbaseanti | 0m 0s | Patch does not have any anti-patterns. | | +1 :green\_heart: | @author | 0m 0s | The patch does not contain any @author tags. | ||| \_ branch-2 Compile Tests \_ | | +0 :ok: | mvndep | 0m 19s | Maven dependency ordering for branch | | +1 :green\_heart: | mvninstall | 5m 0s | branch-2 passed | | +1 :green\_heart: | checkstyle | 1m 49s | branch-2 passed | | +1 :green\_heart: | spotbugs | 3m 13s | branch-2 passed | ||| \_ Patch Compile Tests \_ | | +0 :ok: | mvndep | 0m 15s | Maven dependency ordering for patch | | +1 :green\_heart: | mvninstall | 4m 7s | the patch passed | | +1 :green\_heart: | checkstyle | 0m 12s | The patch passed checkstyle in hbase-asyncfs | | +1 :green\_heart: | checkstyle | 1m 28s | hbase-server: The patch generated 0 new + 46 unchanged - 3 fixed = 46 total (was 49) | | +1 :green\_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green\_heart: | hadoopcheck | 15m 32s | Patch does not cause any errors with Hadoop 3.1.2 3.2.1. | | +1 :green\_heart: | spotbugs | 3m 35s | the patch passed | ||| \_ Other Tests \_ | | +1 :green\_heart: | asflicense | 0m 26s | The patch does not generate ASF License warnings. | ||| 46m 27s | | Subsystem | Report/Notes | |-----:|:-----| | Docker | Client=19.03.12 Server=19.03.12 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/3/artifact/yetus-general-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/2034> | | Optional Tests | dupname asflicense spotbugs hadoopcheck hbaseanti checkstyle | | uname | Linux cf849b18f96e 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/hbase-personality.sh | | git revision | branch-2 / f771fd26b4 | | Max. process+thread count | 94 (vs. ulimit of 12500) | | modules | C: hbase-asyncfs hbase-server U: . | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/3/console> | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) spotbugs=3.1.12 | | Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.

8. :confetti\_ball: \*\*\*+1 overall\*\* | Vote | Subsystem | Runtime | Comment | |:----:|:-----:|:-----:|:-----:| | +0 :ok: | reexec | 0m 40s | Docker mode activated. | | -0 :warning: | yetus | 0m 7s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck | ||| \_ Prechecks \_ | ||| \_ branch-2 Compile Tests \_ | | +0 :ok: | mvndep | 0m 18s | Maven dependency ordering for branch | | +1 :green\_heart: | mvninstall | 4m 28s | branch-2 passed | | +1 :green\_heart: | compile | 1m 30s | branch-2 passed | | +1 :green\_heart: | shadedjars | 6m 4s | branch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 19s | hbase-asyncfs in branch-2 failed. | | -0 :warning: | javadoc | 0m 39s | hbase-server in branch-2 failed. | ||| \_ Patch Compile Tests \_ | | +0 :ok: | mvndep | 0m 19s | Maven dependency ordering for patch | | +1 :green\_heart: | mvninstall | 4m 3s | the patch passed | | +1 :green\_heart: | compile | 1m 30s | the patch passed | | +1 :green\_heart: | javac | 1m 30s | the patch passed | | +1 :green\_heart: | shadedjars | 6m 26s | patch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 20s | hbase-asyncfs in the patch failed. | | -0 :warning: | javadoc | 0m 52s | hbase-server in the patch failed. | ||| \_ Other Tests \_ | | +1 :green\_heart: | unit | 1m 38s | hbase-asyncfs in the patch passed. | | +1 :green\_heart: | unit | 138m 16s | hbase-server in the patch passed. | ||| 169m 41s | | Subsystem | Report/Notes | |-----:|:-----| | Docker | Client=19.03.12

Server=19.03.12 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/3/artifact/yetus-jdk11-hadoop3-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/2034> | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux 7f6881eca6bd 4.15.0-58-generic #64-Ubuntu SMP Tue Aug 6 11:12:41 UTC 2019 x86\_64 x86\_64 GNU/Linux | | Build tool | maven | | Personality | dev-support/hbase-personality.sh | | git revision | branch-2 / f771fd26b4 | | Default Java | 2020-01-14 | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/3/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-asyncfs.txt> | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/3/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-server.txt> | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/3/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-asyncfs.txt> | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/3/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-server.txt> | | Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/3/testReport/> | | Max. process+thread count | 3701 (vs. ulimit of 12500) | | modules | C: hbase-asyncfs hbase-server U: . | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/3/console> | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | | Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.

9. :confetti\_ball: **\*\*+1 overall\*\*** | Vote | Subsystem | Runtime | Comment | |:----:|-----:|-----:|:-----:| +0 :ok: | reexec | 0m 28s | Docker mode activated. | ||| \_ Prechecks \_ | | +1 :green\_heart: | dupname | 0m 0s | No case conflicting files found. | | +1 :green\_heart: | hbaseanti | 0m 0s | Patch does not have any anti-patterns. | | +1 :green\_heart: | @author | 0m 0s | The patch does not contain any @author tags. | ||| \_ branch-2 Compile Tests \_ | | +0 :ok: | mvndep | 0m 15s | Maven dependency ordering for branch | | +1 :green\_heart: | mvninstall | 3m 50s | branch-2 passed | | +1 :green\_heart: | checkstyle | 1m 27s | branch-2 passed | | +1 :green\_heart: | spotbugs | 2m 36s | branch-2 passed | ||| \_ Patch Compile Tests \_ | | +0 :ok: | mvndep | 0m 11s | Maven dependency ordering for patch | | +1 :green\_heart: | mvninstall | 3m 29s | the patch passed | | +1 :green\_heart: | checkstyle | 0m 11s | The patch passed checkstyle in hbase-asyncfs | | +1 :green\_heart: | checkstyle | 1m 13s | hbase-server: The patch generated 0 new + 46 unchanged - 3 fixed = 46 total (was 49) | | +1 :green\_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green\_heart: | hadoopcheck | 12m 23s | Patch does not cause any errors with Hadoop 3.1.2 3.2.1. | | +1 :green\_heart: | spotbugs | 2m 55s | the patch passed | ||| \_ Other Tests \_ | | +1 :green\_heart: | asflicense | 0m 21s | The patch does not generate ASF License warnings. | ||| 37m 18s | || Subsystem | Report/Notes | |-----:|:-----:| | Docker | Client=19.03.12 Server=19.03.12 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/4/artifact/yetus-general-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/2034> | | Optional Tests | dupname asflicense spotbugs hadoopcheck hbaseanti checkstyle | | uname | Linux 7c9485586489 4.15.0-101-generic #102-Ubuntu SMP Mon May 11 10:07:26 UTC 2020 x86\_64 x86\_64 x86\_64 GNU/Linux | | Build tool | maven | | Personality | dev-support/hbase-personality.sh | | git revision | branch-2 / 5fcffae5db | | Max. process+thread count | 84 (vs. ulimit of 12500) | | modules | C: hbase-asyncfs hbase-server U: . | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/4/console> | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) spotbugs=3.1.12 | | Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.

10. :broken\_heart: **\*\* -1 overall \*\*** | Vote | Subsystem | Runtime | Comment | |:----:|-----:|-----:|:-----:| +0 :ok: | reexec | 1m 15s | Docker mode activated. | | -0 :warning: | yetus | 0m 5s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck | ||| \_ Prechecks \_ | ||| \_ branch-2 Compile Tests \_ | | +0 :ok: | mvndep | 0m 26s | Maven dependency ordering for branch | | +1 :green\_heart: | mvninstall | 4m 21s | branch-2 passed | | +1 :green\_heart: | compile | 1m 30s | branch-2 passed | | +1 :green\_heart: | shadedjars | 6m 21s | branch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 17s | hbase-asyncfs in branch-2 failed. | | -0 :warning: | javadoc | 0m 40s | hbase-server in branch-2 failed. | ||| \_ Patch Compile Tests \_ | | +0 :ok: | mvndep | 0m 13s | Maven dependency ordering for patch | | +1 :green\_heart: | mvninstall | 4m 21s | the patch passed | | +1 :green\_heart: | compile | 1m 29s | the patch passed | | +1 :green\_heart: | javac | 1m 29s | the patch passed | | +1 :green\_heart: | shadedjars | 6m 23s | patch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 16s | hbase-asyncfs in the patch failed. | | -0 :warning: | javadoc | 0m 40s | hbase-server in the patch failed. | ||| \_ Other Tests \_ | | +1 :green\_heart: | unit | 1m 36s | hbase-asyncfs in the patch passed. | | -1 :x: | unit | 203m 34s | hbase-server in the patch failed. | ||| 235m 36s | || Subsystem | Report/Notes | |-----:|:-----:| | Docker | Client=19.03.12 Server=19.03.12 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/4/artifact/yetus-jdk11-hadoop3-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/2034> | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux 1e9bf38fc014 4.15.0-101-generic #102-Ubuntu SMP Mon May 11 10:07:26 UTC 2020 x86\_64 x86\_64 x86\_64 GNU/Linux | | Build tool | maven |

Personality | dev-support/hbase-personality.sh | | git revision | branch-2 / 5fcffae5db | | Default Java | 2020-01-14 | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/4/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-asyncfs.txt> | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/4/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-server.txt> | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/4/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-asyncfs.txt> | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/4/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-server.txt> | | unit | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/4/artifact/yetus-jdk11-hadoop3-check/output/patch-unit-hbase-server.txt> | | Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/4/testReport/> | | Max. process+thread count | 2568 (vs. ulimit of 12500) | | modules | C: hbase-asyncfs hbase-server U: . | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/4/console> | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | | Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.

11. :confetti\_ball: \*\*+1 overall\*\* | Vote | Subsystem | Runtime | Comment | |----:|-----:|-----:|-----:| | +0 :ok: | reexec | 0m 29s | Docker mode activated. | | | \_ Prechecks \_ | | +1 :green\_heart: | dupname | 0m 0s | No case conflicting files found. | | +1 :green\_heart: | hbaseanti | 0m 0s | Patch does not have any anti-patterns. | | +1 :green\_heart: | @author | 0m 0s | The patch does not contain any @author tags. | | | \_ branch-2 Compile Tests \_ | | +0 :ok: | mvndep | 0m 15s | Maven dependency ordering for branch | | +1 :green\_heart: | mvninstall | 4m 3s | branch-2 passed | | +1 :green\_heart: | checkstyle | 1m 31s | branch-2 passed | | +1 :green\_heart: | spotbugs | 2m 48s | branch-2 passed | | | \_ Patch Compile Tests \_ | | +0 :ok: | mvndep | 0m 13s | Maven dependency ordering for patch | | +1 :green\_heart: | mvninstall | 3m 39s | the patch passed | | +1 :green\_heart: | checkstyle | 0m 11s | The patch passed checkstyle in hbase-asyncfs | | +1 :green\_heart: | checkstyle | 1m 19s | hbase-server: The patch generated 0 new + 46 unchanged - 3 fixed = 46 total (was 49) | | +1 :green\_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green\_heart: | hadoopcheck | 12m 34s | Patch does not cause any errors with Hadoop 3.1.2 3.2.1. | | +1 :green\_heart: | spotbugs | 3m 45s | the patch passed | | | \_ Other Tests \_ | | +1 :green\_heart: | asflicense | 0m 25s | The patch does not generate ASF License warnings. | | | 40m 3s | | Subsystem | Report/Notes | |-----:|:-----:| | Docker | Client=19.03.12 Server=19.03.12 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/5/artifact/yetus-general-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/2034> | | Optional Tests | dupname asflicense spotbugs hadoopcheck hbaseanti checkstyle | | uname | Linux e94dface54a8 4.15.0-101-generic #102-Ubuntu SMP Mon May 11 10:07:26 UTC 2020 x86\_64 x86\_64 x86\_64 GNU/Linux | | Build tool | maven | | Personality | dev-support/hbase-personality.sh | | git revision | branch-2 / 5fcffae5db | | Max. process+thread count | 84 (vs. ulimit of 12500) | | modules | C: hbase-asyncfs hbase-server U: . | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/5/console> | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) spotbugs=3.1.12 | | Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.
12. :confetti\_ball: \*\*+1 overall\*\* | Vote | Subsystem | Runtime | Comment | |----:|-----:|-----:|-----:| | +0 :ok: | reexec | 0m 33s | Docker mode activated. | | -0 :warning: | yetus | 0m 7s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck | | | \_ Prechecks \_ | | | \_ branch-2 Compile Tests \_ | | +0 :ok: | mvndep | 0m 25s | Maven dependency ordering for branch | | +1 :green\_heart: | mvninstall | 3m 54s | branch-2 passed | | +1 :green\_heart: | compile | 1m 25s | branch-2 passed | | +1 :green\_heart: | shadedjars | 5m 53s | branch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 19s | hbase-asyncfs in branch-2 failed. | | -0 :warning: | javadoc | 0m 39s | hbase-server in branch-2 failed. | | | \_ Patch Compile Tests \_ | | +0 :ok: | mvndep | 0m 16s | Maven dependency ordering for patch | | +1 :green\_heart: | mvninstall | 3m 57s | the patch passed | | +1 :green\_heart: | compile | 1m 24s | the patch passed | | +1 :green\_heart: | javac | 1m 24s | the patch passed | | +1 :green\_heart: | shadedjars | 5m 43s | patch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 17s | hbase-asyncfs in the patch failed. | | -0 :warning: | javadoc | 0m 40s | hbase-server in the patch failed. | | | \_ Other Tests \_ | | +1 :green\_heart: | unit | 1m 25s | hbase-asyncfs in the patch passed. | | +1 :green\_heart: | unit | 125m 4s | hbase-server in the patch passed. | | | 154m 12s | | Subsystem | Report/Notes | |-----:|:-----:| | Docker | Client=19.03.12 Server=19.03.12 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/5/artifact/yetus-jdk11-hadoop3-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/2034> | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux 041afd63837a 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/hbase-personality.sh | | git revision | branch-2 / 5fcffae5db | | Default Java | 2020-01-14 | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/5/artifact/yetus-jdk11-hadoop3->

check/output/branch-javadoc-hbase-asyncfs.txt || javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/5/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-server.txt> || javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/5/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-asyncfs.txt> || javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/5/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-server.txt> || Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/5/testReport/> || Max. process+thread count | 4180 (vs. ulimit of 12500) || modules | C: hbase-asyncfs hbase-server U: . || Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/5/console> || versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) || Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.

13. :confetti\_ball: **\*\*\*+1 overall\*\*** | Vote | Subsystem | Runtime | Comment | |:----:|-----:|-----:|:-----:| +0 :ok: | reexec | 0m 28s | Docker mode activated. | | -0 :warning: | yetus | 0m 7s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck ||| \_ Prechecks \_ ||| \_ branch-2 Compile Tests \_ || +0 :ok: | mvnDep | 0m 17s | Maven dependency ordering for branch || +1 :green\_heart: | mvninstall | 4m 1s | branch-2 passed || +1 :green\_heart: | compile | 1m 23s | branch-2 passed || +1 :green\_heart: | shadedjars | 5m 41s | branch has no errors when building our shaded downstream artifacts. || +1 :green\_heart: | javadoc | 0m 54s | branch-2 passed ||| \_ Patch Compile Tests \_ || +0 :ok: | mvnDep | 0m 14s | Maven dependency ordering for patch || +1 :green\_heart: | mvninstall | 3m 45s | the patch passed || +1 :green\_heart: | compile | 1m 19s | the patch passed || +1 :green\_heart: | javac | 1m 19s | the patch passed || +1 :green\_heart: | shadedjars | 5m 31s | patch has no errors when building our shaded downstream artifacts. || +1 :green\_heart: | javadoc | 0m 49s | the patch passed ||| \_ Other Tests \_ || +1 :green\_heart: | unit | 1m 47s | hbase-asyncfs in the patch passed. || +1 :green\_heart: | unit | 190m 23s | hbase-server in the patch passed. ||| 218m 20s ||| Subsystem | Report/Notes | |-----:|:-----:| Docker | Client=19.03.12 Server=19.03.12 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/5/artifact/yetus-jdk8-hadoop2-check/output/Dockerfile> || GITHUB PR | <https://github.com/apache/hbase/pull/2034> || Optional Tests | javac javadoc unit shadedjars compile || uname | Linux d3f9cbd59254 4.15.0-101-generic #102-Ubuntu SMP Mon May 11 10:07:26 UTC 2020 x86\_64 x86\_64 x86\_64 GNU/Linux || Build tool | maven || Personality | dev-support/hbase-personality.sh || git revision | branch-2 / 5fcffae5db || Default Java | 1.8.0\_232 || Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/5/testReport/> || Max. process+thread count | 3186 (vs. ulimit of 12500) || modules | C: hbase-asyncfs hbase-server U: . || Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-2034/5/console> || versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) || Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.

## github\_pulls\_reviews:

1. I had asked in #1970 if this can be implemented with an `AtomicLong` instead. @Apache9 responded with an analysis and alternative suggestion. Following his suggestion, it would be nice to add a comment on `WrapperAsyncFSOutput` stating that we expect an instance to be used only from a single thread, foregoing synchronization for the sake of performance.
2. nit: `this` is unnecessary.
3. I believe I mentioned elsewhere that I think `AtomicUtils.updateMax` can be replaced with `[`AtomicLong.getAndAccumulate`]` (<https://docs.oracle.com/javase/8/docs/api/java/util/concurrent/atomic/AtomicLong.html#getAndAccumulate-long-java.util.function.LongBinaryOperator->), something like `syncLength.getAndAccumulate(fsdos.getPos(), Math::max)`
4. Good. Anyway I think this could be another issue to just remove the AtomicUtils class? The current PR is backport so we'd better keep it in sync with the one applied to master.
5. Yes, I agree with you, and even the `'if(pos > this.syncLength) {'` could be removed as @Apache9 suggested, but the current PR is backport ,so we'd better keep it in sync with the one applied to master.After this PR is applied to 2.x, I would open another addnum PR for both master and 2.x to incorporate your suggestions.
6. Just as above mentioned, because current PR is backport, after this PR is applied to 2.x, I would open another addnum PR for both master and 2.x to incorporate your suggestions.
7. Yep, understood. Thanks.
8. @Apache9 I read your later comments about keeping `AtomicUtils` because the built-in `AtomicLong` does not provide the short-circuit semantics you have implemented there. Sorry, I cannot find that thread to reply there. I dug around and don't see any intrinsics in the JVM that would implement this for us, so I agree with keeping our implementation.

jira\_issues:

jira\_issues\_comments: