

git_comments:

1. * * Checks master state before initiating action over region topology. * @param action the name of the action under consideration, for logging. * @return {@code true} when the caller should exit early, {@code false} otherwise.
2. make one last check that the cluster isn't shutting down before proceeding.
3. at least one of the two regions should be older than MIN_REGION_DURATION days
4. * * Determine if a region in {@link RegionState} should be considered for a split operation.
5. import java.util.Objects; import org.apache.hadoop.hbase.master.RegionState; import org.apache.hadoop.hbase.master.assignment.RegionStates; int actualRegionCnt = 0; actualRegionCnt++; avgRegionSize = actualRegionCnt == 0 ? 0 : totalSizeMb / (double) actualRegionCnt; /** * Determine if a region in {@link RegionState} should be considered for a merge operation.

git_commits:

1. **summary:** HBASE-23932 Minor improvements to Region Normalizer (#1258)
message: HBASE-23932 Minor improvements to Region Normalizer (#1258) - consolidate checks made by master on behalf of balancer and normalizer: deciding if the master is in a healthy state for running any actions at all (skipRegionManagementAction). Normalizer now does as balancer did previously. - both balancer and normalizer make one final check on above conditions between calculating an action plan and executing the plan. should make the process more responsive to shutdown requests. - change normalizer to only consider acting on a region when it is in the OPEN state. previously we would normalizer attempt to merge a region that was already in a MERGING_NEW,MERGING,MERGED state. - fix some typos in variable names. Signed-off-by: Josh Elser <elserj@apache.org> Signed-off-by: binlijin <binlijin@gmail.com>

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

1. **title:** HBASE-23932 Minor improvements to Region Normalizer
body: - consolidate checks made by master on behalf of balancer and normalizer: deciding if the master is in a healthy state for running any actions at all (skipRegionManagementAction). Normalizer now does as balancer did previously. - both balancer and normalizer make one final check on above conditions between calculating an action plan and executing the plan. should make the process more responsive to shutdown requests. - change normalizer to only consider acting on a region when it is in the OPEN state. previously we would normalizer attempt to merge a region that was already in a MERGING_NEW,MERGING,MERGED state. - fix some typos in variable names.

github_pulls_comments:

1. All tests in the normalizer package pass. Let's see what the build-bot says.
2. :broken_heart: *-1 overall** | Vote | Subsystem | Runtime | Comment | :----:|-----:|-----:|:-----| | +0 :ok: | reexec | 11m 38s | 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. | ||| _ master Compile Tests _ | | +1 :green_heart: | mvninstall | 6m 14s | master passed | | +1 :green_heart: | checkstyle | 1m 20s | master passed | | +0 :ok: | spotbugs | 5m 0s | Used deprecated FindBugs config; considering switching to SpotBugs. | | -1 :x: | findbugs | 3m 31s | hbase-server in master failed. | ||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 5m 42s | the patch passed | | +1 :green_heart: | checkstyle | 1m 18s | hbase-server: The patch generated 0 new + 100 unchanged - 1 fixed = 100 total (was 101) | | +1 :green_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green_heart: | hadoopcheck | 22m 28s | Patch does not cause any errors with Hadoop 2.8.5 2.9.2 or 3.1.2. | | -1 :x: | findbugs | 4m 39s | hbase-server in the patch failed. | ||| _ Other Tests _ | | +1 :green_heart: | asflicense | 0m 22s | The patch does not generate ASF License warnings. | ||| 66m 45s | | Subsystem | Report/Notes | |-----:|:-----| | Docker | Client=19.03.7 Server=19.03.7 base: https://builds.apache.org/job/HBase-PreCommit-

GitHub-PR/job/PR-1258/1/artifact/yetus-general-check/output/Dockerfile || GITHUB PR |
<https://github.com/apache/hbase/pull/1258> || Optional Tests | dupname asflicense spotbugs findbugs
hadoopcheck hbaseanti checkstyle || uname | Linux 1f19d86eb3f3 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
| dev-support/hbase-personality.sh || git revision | master / 31484f007f || findbugs |
<https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1258/1/artifact/yetus-general-check/output/branch-findbugs-hbase-server.txt> || findbugs | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1258/1/artifact/yetus-general-check/output/patch-findbugs-hbase-server.txt> || Max. process+thread count | 84 (vs. ulimit of 10000) || modules | C: hbase-server U: hbase-server || Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1258/1/console> || versions | git=2.17.1 maven=2018-06-17T18:33:14Z || Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.

3. :broken_heart: *-1 overall* | Vote | Subsystem | Runtime | Comment | :----:|-----:|-----:|:-----:| |
+0 :ok: | reexec | 8m 43s | Docker mode activated. || -0 :warning: | yetus | 0m 3s | Unprocessed flag(s): --
brief-report-file --findbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --
quick-hadoopcheck ||| _ Prechecks _ ||| _ master Compile Tests _ || +1 :green_heart: | mvninstall | 6m
46s | master passed || +1 :green_heart: | compile | 1m 1s | master passed || +1 :green_heart: | shadedjars |
5m 24s | branch has no errors when building our shaded downstream artifacts. || +1 :green_heart: |
javadoc | 0m 46s | master passed ||| _ Patch Compile Tests _ || +1 :green_heart: | mvninstall | 5m 50s | the
patch passed || +1 :green_heart: | compile | 1m 4s | the patch passed || +1 :green_heart: | javac | 1m 4s |
the patch passed || +1 :green_heart: | shadedjars | 5m 15s | patch has no errors when building our shaded
downstream artifacts. || +1 :green_heart: | javadoc | 0m 38s | the patch passed ||| _ Other Tests _ || -1 :x: |
unit | 76m 50s | hbase-server in the patch failed. ||| 114m 2s ||| Subsystem | Report/Notes | |-----:|:---
-----| | Docker | Client=19.03.7 Server=19.03.7 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1258/1/artifact/yetus-jdk8-hadoop2-check/output/Dockerfile> || GITHUB PR |
<https://github.com/apache/hbase/pull/1258> || Optional Tests | javac javadoc unit shadedjars compile ||
uname | Linux 6be02d1c4fb0 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 | dev-support/hbase-
personality.sh || git revision | master / 31484f007f || Default Java | 1.8.0_232 || unit |
<https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1258/1/artifact/yetus-jdk8-hadoop2-check/output/patch-unit-hbase-server.txt> || Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1258/1/testReport/> || Max. process+thread count | 6046 (vs. ulimit of 10000) ||
modules | C: hbase-server U: hbase-server || Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1258/1/console> || versions | git=2.17.1 maven=2018-06-17T18:33:14Z ||
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 8s | Docker mode activated. || -0 :warning: | yetus | 0m 3s | Unprocessed flag(s): --
brief-report-file --findbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --
quick-hadoopcheck ||| _ Prechecks _ ||| _ master Compile Tests _ || +1 :green_heart: | mvninstall | 7m
24s | master passed || +1 :green_heart: | compile | 1m 12s | master passed || +1 :green_heart: | shadedjars |
5m 32s | branch has no errors when building our shaded downstream artifacts. || -0 :warning: | javadoc |
0m 43s | hbase-server in master failed. ||| _ Patch Compile Tests _ || +1 :green_heart: | mvninstall | 6m
56s | the patch passed || +1 :green_heart: | compile | 1m 13s | the patch passed || +1 :green_heart: | javac |
1m 13s | the patch passed || +1 :green_heart: | shadedjars | 5m 30s | patch has no errors when building our
shaded downstream artifacts. || -0 :warning: | javadoc | 0m 42s | hbase-server in the patch failed. ||| _
Other Tests _ || +1 :green_heart: | unit | 77m 48s | hbase-server in the patch passed. ||| 110m 0s |||
Subsystem | Report/Notes | |-----:|:-----:| | Docker | Client=19.03.7 Server=19.03.7 base:
<https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1258/1/artifact/yetus-jdk11-hadoop3-check/output/Dockerfile> || GITHUB PR | <https://github.com/apache/hbase/pull/1258> || Optional Tests |
javac javadoc unit shadedjars compile || uname | Linux b46db2d14bad 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 | dev-support/hbase-personality.sh || git revision | master / 31484f007f || Default Java | 2020-
01-14 || javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1258/1/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-server.txt> || javadoc |
<https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1258/1/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-server.txt> || Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1258/1/testReport/> || Max. process+thread count | 5414 (vs. ulimit of
10000) || modules | C: hbase-server U: hbase-server || Console output |
<https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1258/1/console> || versions |

This message was automatically generated.

5. Thanks for the reviews :)

github_pulls_reviews:

1. Nice!
2. Nice -- wraps a null-check around `isEmpty()`. Had to look it up.
3. `toConnection()` returns a cached `Connection` but we make a new `Admin` object every time (at least via `AsyncClusterConnectionImpl`. Should we just cache this `Admin` once for all `plans`?
4. Oh fun. This code actually leaks admin instances :(

jira_issues:

jira_issues_comments: