

Item 163

git_comments:

git_commits:

1. **summary:** HBASE-24139 : Balancer should avoid leaving idle region servers (#1511)
message: HBASE-24139 : Balancer should avoid leaving idle region servers (#1511) Signed-off-by: Viraj Jasani <vjasani@apache.org> Signed-off-by: Sean Busbey <busbey@apache.org> Signed-off-by: Anoop Sam John <anoopsamjohn@apache.org>

github_issues:

github_issues_comments:

github_pulls:

1. **title:** HBASE-24139 : Balancer should avoid leaving idle region servers
body: Balancer should avoid leaving idle region servers

github_pulls_comments:

1. :confetti_ball: **+1 overall** | Vote | Subsystem | Runtime | Comment | |:----:|:-----:|:-----:|:-----:| | +0 :ok: | reexec | 0m 33s | 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 | 3m 37s | master passed | | +1 :green_heart: | checkstyle | 1m 7s | master passed | | +1 :green_heart: | spotbugs | 1m 59s | master passed | ||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 3m 11s | the patch passed | | -0 :warning: | checkstyle | 1m 5s | hbase-server: The patch generated 3 new + 26 unchanged - 0 fixed = 29 total (was 26) | | +1 :green_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green_heart: | hadoopcheck | 10m 42s | Patch does not cause any errors with Hadoop 2.10.0 or 3.1.2. | | +1 :green_heart: | spotbugs | 2m 8s | the patch passed | ||| _ Other Tests _ | | +1 :green_heart: | asflicense | 0m 15s | The patch does not generate ASF License warnings. | ||| 31m 14s | | Subsystem | Report/Notes | |:-----:|:-----:| | Docker | Client=19.03.8 Server=19.03.8 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/1/artifact/yetus-general-check/output/Dockerfile | | GITHUB PR | https://github.com/apache/hbase/pull/1511 | | JIRA Issue | HBASE-24139 | | Optional Tests | dupname asflicense spotbugs hadoopcheck hbaseanti checkstyle | | uname | Linux 4113a7c1217d 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/hbase-personality.sh | | git revision | master / 92b30f2638 | | checkstyle | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/1/artifact/yetus-general-check/output/diff-checkstyle-hbase-server.txt | | Max. process+thread count | 94 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/1/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. :broken_heart: **-1 overall** | Vote | Subsystem | Runtime | Comment | |:----:|:-----:|:-----:|:-----:| | +0 :ok: | reexec | 0m 31s | Docker mode activated. | | -0 :warning: | yetus | 0m 3s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck | ||| _ Prechecks _ | ||| _ master Compile Tests _ | | +1 :green_heart: | mvninstall | 4m 10s | master passed | | +1 :green_heart: | compile | 1m 3s | master passed | | +1 :green_heart: | shadedjars | 5m 25s | branch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 40s | hbase-server in master failed. | ||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 3m 52s | 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 26s | patch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 39s | hbase-server in the patch failed. | ||| _ Other Tests _ | | -1 :x: | unit | 120m 50s | hbase-server in the patch failed. | ||| 145m 33s | | Subsystem | Report/Notes | |:-----:|:-----:| | Docker | Client=19.03.8 Server=19.03.8 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/1/artifact/yetus-jdk11-hadoop3-check/output/Dockerfile | | GITHUB PR | https://github.com/apache/hbase/pull/1511 | | JIRA Issue |

HBASE-24139 || Optional Tests | javac javadoc unit shadedjars compile || uname | Linux a38d695db11c 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 | master / 92b30f2638 | Default Java | 2020-01-14 || javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/1/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-server.txt> || javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/1/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-server.txt> || unit | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/1/artifact/yetus-jdk11-hadoop3-check/output/patch-unit-hbase-server.txt> || Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/1/testReport/> || Max. process+thread count | 4197 (vs. ulimit of 12500) || modules | C: hbase-server U: hbase-server || Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/1/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. :broken_heart: *-1 overall* | Vote | Subsystem | Runtime | Comment | |:----:|:-----:|:-----:|:-----:| | +0 :ok: | reexec | 1m 19s | Docker mode activated. || -0 :warning: | yetus | 0m 2s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck ||| _ Prechecks _ ||| _ master Compile Tests _ || +1 :green_heart: | mvninstall | 4m 24s | master passed || +1 :green_heart: | compile | 1m 0s | master passed || +1 :green_heart: | shadedjars | 6m 0s | branch has no errors when building our shaded downstream artifacts. || +1 :green_heart: | javadoc | 0m 47s | master passed ||| _ Patch Compile Tests _ || +1 :green_heart: | mvninstall | 4m 26s | the patch passed || +1 :green_heart: | compile | 1m 9s | the patch passed || +1 :green_heart: | javac | 1m 9s | the patch passed || +1 :green_heart: | shadedjars | 6m 4s | patch has no errors when building our shaded downstream artifacts. || +1 :green_heart: | javadoc | 0m 43s | the patch passed ||| _ Other Tests _ || -1 :x: | unit | 201m 14s | hbase-server in the patch failed. ||| 228m 41s ||| Subsystem | Report/Notes | |-----:|:-----:| | Docker | Client=19.03.8 Server=19.03.8 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/1/artifact/yetus-jdk8-hadoop2-check/output/Dockerfile> || GITHUB PR | <https://github.com/apache/hbase/pull/1511> || JIRA Issue | HBASE-24139 || Optional Tests | javac javadoc unit shadedjars compile || uname | Linux 575ecdcb8764 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 | master / 92b30f2638 || Default Java | 1.8.0_232 || unit | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/1/artifact/yetus-jdk8-hadoop2-check/output/patch-unit-hbase-server.txt> || Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/1/testReport/> || Max. process+thread count | 2627 (vs. ulimit of 12500) || modules | C: hbase-server U: hbase-server || Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/1/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. @bea0113 Apart from Anoop's review comments on using regionsPerServer, please take care of: 1. Move the function to BaseLoadBalancer as protected final (previous comment) 2. Add a test case to cover this function

5. :broken_heart: *-1 overall* | Vote | Subsystem | Runtime | Comment | |:----:|:-----:|:-----:|:-----:| | +0 :ok: | reexec | 1m 43s | Docker mode activated. || -0 :warning: | yetus | 0m 3s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck ||| _ Prechecks _ ||| _ master Compile Tests _ || +1 :green_heart: | mvninstall | 3m 49s | master passed || +1 :green_heart: | compile | 0m 58s | master passed || +1 :green_heart: | shadedjars | 5m 17s | branch has no errors when building our shaded downstream artifacts. || +1 :green_heart: | javadoc | 0m 35s | master passed ||| _ Patch Compile Tests _ || +1 :green_heart: | mvninstall | 3m 39s | the patch passed || +1 :green_heart: | compile | 0m 56s | the patch passed || +1 :green_heart: | javac | 0m 56s | the patch passed || +1 :green_heart: | shadedjars | 5m 9s | patch has no errors when building our shaded downstream artifacts. || +1 :green_heart: | javadoc | 0m 35s | the patch passed ||| _ Other Tests _ || -1 :x: | unit | 8m 46s | hbase-server in the patch failed. ||| 32m 42s ||| Subsystem | Report/Notes | |-----:|:-----:| | Docker | Client=19.03.8 Server=19.03.8 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/2/artifact/yetus-jdk8-hadoop2-check/output/Dockerfile> || GITHUB PR | <https://github.com/apache/hbase/pull/1511> || Optional Tests | javac javadoc unit shadedjars compile || uname | Linux ce82bbc5e9b2 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 | master / 38954edb25 || Default Java | 1.8.0_232 || unit | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/2/artifact/yetus-jdk8-hadoop2-check/output/patch-unit-hbase-server.txt> || Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/2/testReport/>

- 1511/2/testReport/ | | Max. process+thread count | 439 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/2/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. :confetti_ball: ****+1 overall**** | Vote | Subsystem | Runtime | Comment | |:----:|-----:|-----:|:-----:| | +0 :ok: | reexec | 0m 27s | 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 | 4m 10s | master passed | | +1 :green_heart: | checkstyle | 1m 45s | master passed | | +1 :green_heart: | spotbugs | 2m 37s | master passed | | | _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 3m 33s | the patch passed | | -0 :warning: | checkstyle | 1m 11s | hbase-server: The patch generated 2 new + 26 unchanged - 0 fixed = 28 total (was 26) | | +1 :green_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green_heart: | hadoopcheck | 11m 36s | Patch does not cause any errors with Hadoop 2.10.0 or 3.1.2. | | +1 :green_heart: | spotbugs | 2m 25s | the patch passed | | | _ Other Tests _ | | +1 :green_heart: | asflicense | 0m 12s | The patch does not generate ASF License warnings. | | | 35m 4s | | Subsystem | Report/Notes | |-----:|:-----:| | Docker | Client=19.03.8 Server=19.03.8 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/2/artifact/yetus-general-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/1511> | | Optional Tests | dupname asflicense spotbugs hadoopcheck hbaseanti checkstyle | | uname | Linux 4b472f38e559 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 / 38954edb25 | | checkstyle | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/2/artifact/yetus-general-check/output/diff-checkstyle-hbase-server.txt> | | Max. process+thread count | 84 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/2/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.
7. :broken_heart: ****+1 overall**** | Vote | Subsystem | Runtime | Comment | |:----:|-----:|-----:|:-----:| | +0 :ok: | reexec | 2m 17s | Docker mode activated. | | -0 :warning: | yetus | 0m 3s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck | | | _ Prechecks _ | | | _ master Compile Tests _ | | +1 :green_heart: | mvninstall | 6m 10s | master passed | | +1 :green_heart: | compile | 1m 26s | master passed | | +1 :green_heart: | shadedjars | 7m 28s | branch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 1m 7s | hbase-server in master failed. | | | _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 5m 13s | 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 | 6m 14s | patch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 45s | hbase-server in the patch failed. | | | _ Other Tests _ | | -1 :x: | unit | 194m 34s | hbase-server in the patch failed. | | | 228m 24s | | Subsystem | Report/Notes | |-----:|:-----:| | Docker | Client=19.03.8 Server=19.03.8 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/2/artifact/yetus-jdk11-hadoop3-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/1511> | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux 4da9c5bbf8e4 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 / 38954edb25 | | Default Java | 2020-01-14 | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/2/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-server.txt> | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/2/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-server.txt> | | unit | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/2/artifact/yetus-jdk11-hadoop3-check/output/patch-unit-hbase-server.txt> | | Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/2/testReport/> | | Max. process+thread count | 3515 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/2/console> | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | | Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.
8. > The Jira was discussing abt a cost function based change right? Or this way? Sorry read that some time back We talked about this, but @symat pointed out that only benefit to making it a tunable cost function is the ability change how many new RS you can onboard before the balancer starts using them. In the case

of wanting to onboard a group of RS at a time operators are better off just turning the balancer off while the RS are brought online and then turning it back on. Personally I agree with this reasoning.

9. > As a part of moving the method for finding idle RS up to BaseLoadBalancer it is probably worth also having this short circuit decision present in that class's `needsBalance` method. > > reviews so far cover anything else I'd have concern with. Oh yes, keeping short circuit in `BaseLoadBalancer`'s `needsBalance()` definitely makes sense
10. :confetti_ball: **+1 overall** | Vote | Subsystem | Runtime | Comment | |:----:|:-----:|:-----:|:-----:| | +0 :ok: | reexec | 1m 9s | 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 | 3m 54s | master passed | | +1 :green_heart: | checkstyle | 1m 17s | master passed | | +1 :green_heart: | spotbugs | 2m 8s | master passed | ||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 3m 37s | the patch passed | | -0 :warning: | checkstyle | 1m 13s | hbase-server: The patch generated 2 new + 119 unchanged - 0 fixed = 121 total (was 119) | | +1 :green_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green_heart: | hadoopcheck | 5m 59s | Patch does not cause any errors with Hadoop 3.1.2. | | +1 :green_heart: | spotbugs | 2m 17s | the patch passed | ||| _ Other Tests _ | | +1 :green_heart: | asflicense | 0m 13s | The patch does not generate ASF License warnings. | ||| 29m 24s ||| Subsystem | Report/Notes | |:-----:|:-----:| | Docker | Client=19.03.8 Server=19.03.8 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/3/artifact/yetus-general-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/1511> | | Optional Tests | dupname asflicense spotbugs hadoopcheck hbaseanti checkstyle | | uname | Linux af79c73362f1 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 / 24e15c08ed | | checkstyle | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/3/artifact/yetus-general-check/output/diff-checkstyle-hbase-server.txt> | | Max. process+thread count | 84 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/3/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.
11. > > The Jira was discussing abt a cost function based change right? Or this way? Sorry read that some time back > > We talked about this, but @symat pointed out that only benefit to making it a tunable cost function is the ability change how many new RS you can onboard before the balancer starts using them. In the case of wanting to onboard a group of RS at a time operators are better off just turning the balancer off while the RS are brought online and then turning it back on. > > Personally I agree with this reasoning. Read those Jira level discussion later. Ya make sense.. Thanks
12. :confetti_ball: **+1 overall** | Vote | Subsystem | Runtime | Comment | |:----:|:-----:|:-----:|:-----:| | +0 :ok: | reexec | 0m 27s | Docker mode activated. | | -0 :warning: | yetus | 0m 3s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck | ||| _ Prechecks _ | ||| _ master Compile Tests _ | | +1 :green_heart: | mvninstall | 4m 3s | master passed | | +1 :green_heart: | compile | 0m 57s | master passed | | +1 :green_heart: | shadedjars | 5m 29s | branch has no errors when building our shaded downstream artifacts. | | +1 :green_heart: | javadoc | 0m 38s | master passed | ||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 3m 47s | the patch passed | | +1 :green_heart: | compile | 0m 59s | the patch passed | | +1 :green_heart: | javac | 0m 59s | the patch passed | | +1 :green_heart: | shadedjars | 5m 26s | patch has no errors when building our shaded downstream artifacts. | | +1 :green_heart: | javadoc | 0m 37s | the patch passed | ||| _ Other Tests _ | | +1 :green_heart: | unit | 197m 22s | hbase-server in the patch passed. | ||| 221m 31s ||| Subsystem | Report/Notes | |:-----:|:-----:| | Docker | Client=19.03.8 Server=19.03.8 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/3/artifact/yetus-jdk8-hadoop3-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/1511> | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux 1889cb730487 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 / 24e15c08ed | | Default Java | 1.8.0_232 | | Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/3/testReport/> | | Max. process+thread count | 2765 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/3/console> | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | | Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.

13. :confetti_ball: **+1 overall** | Vote | Subsystem | Runtime | Comment | :----:|-----:|-----:|:-----| | +0 :ok: | reexec | 0m 26s | Docker mode activated. | | -0 :warning: | yetus | 0m 3s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck | ||| _ Prechecks _ | ||| _ master Compile Tests _ | | +1 :green_heart: | mvninstall | 4m 50s | master passed | | +1 :green_heart: | compile | 1m 14s | master passed | | +1 :green_heart: | shadedjars | 5m 47s | branch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 45s | hbase-server in master failed. | ||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 4m 28s | 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 53s | patch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 51s | hbase-server in the patch failed. | ||| _ Other Tests _ | | +1 :green_heart: | unit | 200m 55s | hbase-server in the patch passed. | ||| 228m 11s ||| Subsystem | Report/Notes | |-----:|:-----:| | Docker | Client=19.03.8 Server=19.03.8 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/3/artifact/yetus-jdk11-hadoop3-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/1511> | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux dc185d853dc9 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 / 24e15c08ed | | Default Java | 2020-01-14 | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/3/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-server.txt> | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/3/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-server.txt> | | Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/3/testReport/> | | Max. process+thread count | 2774 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/3/console> | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | | Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.
14. :confetti_ball: **+1 overall** | Vote | Subsystem | Runtime | Comment | :----:|-----:|-----:|:-----| | +0 :ok: | reexec | 0m 30s | 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 | 4m 8s | master passed | | +1 :green_heart: | checkstyle | 1m 19s | master passed | | +1 :green_heart: | spotbugs | 2m 16s | master passed | ||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 3m 44s | the patch passed | | -0 :warning: | checkstyle | 1m 15s | hbase-server: The patch generated 1 new + 119 unchanged - 0 fixed = 120 total (was 119) | | +1 :green_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green_heart: | hadoopcheck | 5m 58s | Patch does not cause any errors with Hadoop 3.1.2. | | +1 :green_heart: | spotbugs | 2m 55s | the patch passed | ||| _ Other Tests _ | | +1 :green_heart: | asflicense | 0m 15s | The patch does not generate ASF License warnings. | ||| 30m 11s ||| Subsystem | Report/Notes | |-----:|:-----:| | Docker | Client=19.03.8 Server=19.03.8 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/4/artifact/yetus-general-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/1511> | | Optional Tests | dupname asflicense spotbugs hadoopcheck hbaseanti checkstyle | | uname | Linux fb07509d2213 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 / b7a6d36be4 | | checkstyle | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/4/artifact/yetus-general-check/output/diff-checkstyle-hbase-server.txt> | | Max. process+thread count | 84 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/4/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.
15. :confetti_ball: **+1 overall** | Vote | Subsystem | Runtime | Comment | :----:|-----:|-----:|:-----| | +0 :ok: | reexec | 0m 30s | Docker mode activated. | | -0 :warning: | yetus | 0m 3s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck | ||| _ Prechecks _ | ||| _ master Compile Tests _ | | +1 :green_heart: | mvninstall | 4m 5s | master passed | | +1 :green_heart: | compile | 1m 0s | master passed | | +1 :green_heart: | shadedjars | 5m 28s | branch has no errors when building our shaded downstream artifacts. | | +1 :green_heart: | javadoc | 0m 39s | master passed | ||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 3m 45s | the patch passed | | +1 :green_heart: | compile | 0m 58s | the patch passed | | +1 :green_heart: | javac | 0m 58s | the patch passed | | +1 :green_heart: | shadedjars | 5m 24s | patch has no errors when building our shaded

downstream artifacts. || +1 :green_heart: | javadoc | 0m 37s | the patch passed ||| _ Other Tests _ || +1 :green_heart: | unit | 170m 10s | hbase-server in the patch passed. ||| 194m 23s ||| Subsystem | Report/Notes | |-----:|:-----| | Docker | Client=19.03.8 Server=19.03.8 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/4/artifact/yetus-jdk8-hadoop3-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/1511> | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux 0befb8d823d8 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 / b7a6d36be4 | | Default Java | 1.8.0_232 | | Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/4/testReport/> | | Max. process+thread count | 3131 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/4/console> | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | | Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.

16. :confetti_ball: **+1 overall** | Vote | Subsystem | Runtime | Comment | |:----:|:-----:|:-----:|:-----:| | +0 :ok: | reexec | 1m 56s | Docker mode activated. | | -0 :warning: | yetus | 0m 3s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck ||| _ Prechecks _ ||| _ master Compile Tests _ || +1 :green_heart: | mvninstall | 5m 32s | master passed | | +1 :green_heart: | compile | 1m 26s | master passed | | +1 :green_heart: | shadedjars | 6m 37s | branch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 54s | hbase-server in master failed. ||| _ Patch Compile Tests _ || +1 :green_heart: | mvninstall | 5m 10s | the patch passed | | +1 :green_heart: | compile | 1m 27s | the patch passed | | +1 :green_heart: | javac | 1m 27s | the patch passed | | +1 :green_heart: | shadedjars | 6m 13s | patch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 47s | hbase-server in the patch failed. ||| _ Other Tests _ || +1 :green_heart: | unit | 202m 27s | hbase-server in the patch passed. ||| 234m 17s ||| Subsystem | Report/Notes | |-----:|:-----| | Docker | Client=19.03.8 Server=19.03.8 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/4/artifact/yetus-jdk11-hadoop3-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/1511> | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux f9fee70d4695 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 / b7a6d36be4 | | Default Java | 2020-01-14 | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/4/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-server.txt> | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/4/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-server.txt> | | Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/4/testReport/> | | Max. process+thread count | 3123 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/4/console> | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | | Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.

17. :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. ||| _ master Compile Tests _ || +1 :green_heart: | mvninstall | 4m 59s | master passed | | +1 :green_heart: | checkstyle | 1m 48s | master passed | | +1 :green_heart: | spotbugs | 2m 33s | master passed ||| _ Patch Compile Tests _ || +1 :green_heart: | mvninstall | 4m 7s | the patch passed | | -0 :warning: | checkstyle | 1m 22s | hbase-server: The patch generated 1 new + 119 unchanged - 0 fixed = 120 total (was 119) | | +1 :green_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green_heart: | hadoopcheck | 6m 32s | Patch does not cause any errors with Hadoop 3.1.2. | | +1 :green_heart: | spotbugs | 2m 15s | the patch passed ||| _ Other Tests _ || +1 :green_heart: | asflicense | 0m 11s | The patch does not generate ASF License warnings. ||| 32m 0s ||| Subsystem | Report/Notes | |-----:|:-----| | Docker | Client=19.03.8 Server=19.03.8 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/5/artifact/yetus-general-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/1511> | | Optional Tests | dupname asflicense spotbugs hadoopcheck hbaseanti checkstyle | | uname | Linux 3183f4dc3385 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 / bcacc4ce93 | | checkstyle | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/5/artifact/yetus-general-check/output/diff-checkstyle-hbase-server.txt> | | Max. process+thread count | 84 (vs. ulimit of 12500) | |

- modules | C: hbase-server U: hbase-server | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/5/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.
18. :confetti_ball: **+1 overall** | Vote | Subsystem | Runtime | Comment | |:----:|:-----:|:-----:|:-----:| | +0 :ok: | reexec | 0m 32s | Docker mode activated. | | -0 :warning: | yetus | 0m 3s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck | | | _ Prechecks _ | | | _ master Compile Tests _ | | +1 :green_heart: | mvninstall | 3m 29s | master passed | | +1 :green_heart: | compile | 0m 55s | master passed | | +1 :green_heart: | shadedjars | 5m 5s | branch has no errors when building our shaded downstream artifacts. | | +1 :green_heart: | javadoc | 0m 36s | master passed | | | _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 3m 27s | the patch passed | | +1 :green_heart: | compile | 0m 54s | the patch passed | | +1 :green_heart: | javac | 0m 54s | the patch passed | | +1 :green_heart: | shadedjars | 4m 57s | patch has no errors when building our shaded downstream artifacts. | | +1 :green_heart: | javadoc | 0m 35s | the patch passed | | | _ Other Tests _ | | +1 :green_heart: | unit | 118m 12s | hbase-server in the patch passed. | | | 140m 52s | | Subsystem | Report/Notes | |:-----:|:-----:| | Docker | Client=19.03.8 Server=19.03.8 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/5/artifact/yetus-jdk8-hadoop3-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/1511> | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux 029e2291baf1 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/hbase-personality.sh | | git revision | master / bcacc4ce93 | | Default Java | 1.8.0_232 | | Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/5/testReport/> | | Max. process+thread count | 3858 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/5/console> | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | | Powered by | Apache Yetus 0.11.1 <https://yetus.apache.org> | This message was automatically generated.
19. :broken_heart: **-1 overall** | Vote | Subsystem | Runtime | Comment | |:----:|:-----:|:-----:|:-----:| | +0 :ok: | reexec | 0m 31s | Docker mode activated. | | -0 :warning: | yetus | 0m 3s | Unprocessed flag(s): --brief-report-file --spotbugs-strict-precheck --whitespace-eol-ignore-list --whitespace-tabs-ignore-list --quick-hadoopcheck | | | _ Prechecks _ | | | _ master Compile Tests _ | | +1 :green_heart: | mvninstall | 4m 9s | master passed | | +1 :green_heart: | compile | 1m 5s | master passed | | +1 :green_heart: | shadedjars | 5m 7s | branch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 42s | hbase-server in master failed. | | | _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 4m 4s | the patch passed | | +1 :green_heart: | compile | 1m 8s | the patch passed | | +1 :green_heart: | javac | 1m 8s | the patch passed | | +1 :green_heart: | shadedjars | 5m 13s | patch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 38s | hbase-server in the patch failed. | | | _ Other Tests _ | | -1 :x: | unit | 134m 22s | hbase-server in the patch failed. | | | 159m 3s | | Subsystem | Report/Notes | |:-----:|:-----:| | Docker | Client=19.03.8 Server=19.03.8 base: <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/5/artifact/yetus-jdk11-hadoop3-check/output/Dockerfile> | | GITHUB PR | <https://github.com/apache/hbase/pull/1511> | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux 316ba6b5ba0e 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 | master / bcacc4ce93 | | Default Java | 2020-01-14 | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/5/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-server.txt> | | javadoc | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/5/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-server.txt> | | unit | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/5/artifact/yetus-jdk11-hadoop3-check/output/patch-unit-hbase-server.txt> | | Test Results | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/5/testReport/> | | Max. process+thread count | 4753 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | <https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1511/5/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. How about putting this method in `BaseLoadBalancer` as `protected final` ?
2. Also, `idleRegionsExist()` might be better name
3. Here it checks the status of RS. The name areThereIdleRegions not making good meaning

4. This is iterating over many data structures and complex. Why cant we just iterate over the regionsPerServer data structure alone and populate the booleans as needed?
5. Yeah, it could be something similar to idleRSPresent() maybe
6. thanks, that was an idea as well, but I wasn't sure about it, I'll fix it
7. thanks!
8. please use `{}` around the body of if blocks.
9. please use `{ }` for the statement.
10. nit: this can be `serverList.length == 0`
11. please remove these extra lines
12. Thank you!
13. `idleRegionExist` => `idleRegionServerExist` would be a better fit since we are checking if any RS is idle (without regions).
14. why is this synchronized?
15. Hmm, as part of HBASE-12559, many methods that are overridden in `StochasticLoadBalancer` are made `synchronized` due to findbugs warnings. I was surprised to see all these methods non-synchronized in parent and synchronized in child class.
16. Yes, I've got a bit confused about this, and as I've originally put this in `StochasticLoadBalancer`, I thought it it would work there as well. Should I remove the `synchronised`?
17. You have already removed `synchronized` and it's fine to do so, anyways method is now in BaseLoadBalancer.

jira_issues:

jira_issues_comments: