Item 19
git_comments:

1. * * Submits a procedure that assigns a region to a target server without waiting for it to finish * @param regionInfo the region we would like to assign * @param sn target server name * @return * @throws IOException
2. * * Submits a procedure that assigns a region without waiting for it to finish * @param regionInfo the region we would like to assign * @return * @throws IOException
3. showing one of the replicas failed to be assigned
4. waiting for master to come up
5. showing master is active and running
6. using our rigged master, to force a failed meta replica assignment
7. super(env, hri, assignCandidate, forceNewPlan, type);
8. showing one of the replicas got assigned

git_commits:

1. **summary:** HBASE-24562: Stabilize master startup with meta replicas enabled (#1903)
   message: HBASE-24562: Stabilize master startup with meta replicas enabled (#1903) Signed-off-by: Wellington Chevreuil <wchevreuil@apache.org> Signed-off-by: Huaxiang Sun <huaxiangsun@apache.com> (cherry picked from commit 8cdb2cca4461d6adad3f44af001055848a205370)

github_issues:

github_issues_comments:

github_pulls:

1. **title:** HBASE-24562: Stabilize master startup with meta replicas enabled
   body: This is related to HBASE-21624 . I created a separate ticket because in the original one a "complete solution for meta replicas" was requested and this is not one. I'm just trying to make master startup more stable by making assigning meta replicas asynchronous and preventing a potential assignment failure from crashing master. The idea is that starting master with less or even no meta replicas assigned is preferable to not having a running master.
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   label: code-design
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github_pulls_comments:

1. :confetti_ball: **+1 overall** | Vote | Subsystem | Runtime | Comment | |:----:|----------:|--------:|:--------| | +0 :ok: | reexec | 3m 6s | 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 22s | master passed | | +1 :green_heart: | checkstyle | 1m 18s | master passed | | +1 :green_heart: | spotbugs | 2m 14s | master passed | ||| _ Patch Compile Tests _ || +1 :green_heart: | mvninstall | 3m 49s | the patch passed | | -0 :warning: | checkstyle | 1m 11s | hbase-server: The patch generated 2 new + 110 unchanged - 0 fixed = 112 total (was 110) | | +1 :green_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green_heart: | hadoopcheck | 12m 29s | Patch does not cause any errors with Hadoop 3.1.2 3.2.1. | | +1 :green_heart: | spotbugs | 2m 18s | the patch passed | ||| _ Other Tests _ || +1 :green_heart: | asflicense | 0m 13s | The patch does not generate ASF License warnings. | |||| 38m 43s ||| | Subsystem | Report/Notes | |----------:|:--------------| | Docker | Client=19.03.11 Server=19.03.11 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/1/artifact/yetus-general-check/output/Dockerfile || GITHUB PR | https://github.com/apache/hbase/pull/1903 || JIRA Issue | HBASE-24562 || Optional Tests | dupname asflicense spotbugs hadoopcheck hbaseanti checkstyle || uname | Linux 5df0fe5b2bf3 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 / 2ecbaf130e || checkstyle |

https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/1/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-1903/1/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 41s | 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 43s | master passed | | +1 :green_heart: | compile | 1m 9s | master passed | | +1 :green_heart: | shadedjars | 6m 20s | 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 28s | the patch passed | | +1 :green_heart: | compile | 1m 10s | the patch passed | | +1 :green_heart: | javac | 1m 10s | the patch passed | | +1 :green_heart: | shadedjars | 6m 15s | patch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 41s | hbase-server in the patch failed. | ||| _ Other Tests _ | | +1 :green_heart: | unit | 189m 25s | hbase-server in the patch passed. | |||| 223m 31s | | | Subsystem | Report/Notes | |----------:|:-------------| | Docker | Client=19.03.11 Server=19.03.11 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/1/artifact/yetus-jdk11-hadoop3-check/output/Dockerfile | | GITHUB PR | https://github.com/apache/hbase/pull/1903 | | JIRA Issue | HBASE-24562 | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux 381ad010a11f 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 | master / 2ecbaf130e | | Default Java | 2020-01-14 | | javadoc | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/1/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-server.txt | | javadoc | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/1/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-server.txt | | Test Results | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/1/testReport/ | | Max. process+thread count | 3286 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/1/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 4s | 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 8s | master passed | | +1 :green_heart: | compile | 0m 56s | master passed | | +1 :green_heart: | shadedjars | 6m 4s | 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 45s | 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 59s | 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 | 198m 35s | hbase-server in the patch passed. | |||| 224m 31s | | | Subsystem | Report/Notes | |----------:|:-------------| | Docker | Client=19.03.11 Server=19.03.11 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/1/artifact/yetus-jdk8-hadoop3-check/output/Dockerfile | | GITHUB PR | https://github.com/apache/hbase/pull/1903 | | JIRA Issue | HBASE-24562 | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux d4b445ce22c6 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 | master / 2ecbaf130e | | Default Java | 1.8.0_232 | | Test Results | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/1/testReport/ | | Max. process+thread count | 2886 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/1/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 8s | 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 6s | master passed | | +1 :green_heart: | checkstyle | 1m 15s | master passed | | +1 :green_heart: | spotbugs | 2m 9s | master passed | ||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 3m 41s | the patch passed | | -0 :warning: | checkstyle | 1m 13s | hbase-server: The patch generated 3 new + 110 unchanged - 0 fixed = 113 total (was 110) | | +1 :green_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green_heart: | hadoopcheck | 12m 21s | Patch does not cause any errors with Hadoop 3.1.2 3.2.1. | | +1 :green_heart: | spotbugs | 2m 15s | the patch passed | ||| _ Other Tests _ | | +1 :green_heart: | asflicense | 0m 13s | The patch does not generate ASF License warnings. | |||| 36m 1s | | | Subsystem | Report/Notes | |----------:|:-------------| | Docker | Client=19.03.11 Server=19.03.11 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/2/artifact/yetus-general-check/output/Dockerfile | | GITHUB PR | https://github.com/apache/hbase/pull/1903 | | JIRA Issue | HBASE-24562 | | Optional Tests | dupname asflicense spotbugs hadoopcheck hbaseanti checkstyle | | uname | Linux 6a6d5966dea9 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 | master / 510aad3125 | | checkstyle | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/2/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-1903/2/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 30s | 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 | 5m 2s | master passed | | +1 :green_heart: | compile | 1m 21s | master passed | | +1 :green_heart: |

shadedjars | 6m 37s | branch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 48s | hbase-server in master failed. | ||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 4m 47s | the patch passed | | +1 :green_heart: | compile | 1m 17s | the patch passed | | +1 :green_heart: | javac | 1m 17s | the patch passed | | +1 :green_heart: | shadedjars | 6m 45s | 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 | 219m 13s | hbase-server in the patch passed. | | | | 250m 4s | | | Subsystem | Report/Notes | |----------:|:-------------| | Docker | Client=19.03.11 Server=19.03.11 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/2/artifact/yetus-jdk11-hadoop3-check/output/Dockerfile | | GITHUB PR | https://github.com/apache/hbase/pull/1903 | | JIRA Issue | HBASE-24562 | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux aea6c5a33454 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 / 510aad3125 | | Default Java | 2020-01-14 | | javadoc | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/2/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-server.txt | | javadoc | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/2/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-server.txt | | Test Results | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/2/testReport/ | | Max. process+thread count | 2887 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/2/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 29s | 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 7s | master passed | | +1 :green_heart: | compile | 0m 58s | master passed | | +1 :green_heart: | shadedjars | 6m 11s | branch has no errors when building our shaded downstream artifacts. | | +1 :green_heart: | javadoc | 0m 37s | master passed | ||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 3m 57s | the patch passed | | +1 :green_heart: | compile | 1m 1s | the patch passed | | +1 :green_heart: | javac | 1m 1s | the patch passed | | +1 :green_heart: | shadedjars | 6m 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 | 232m 9s | hbase-server in the patch failed. | | | | 259m 12s | | | Subsystem | Report/Notes | |----------:|:-------------| | Docker | Client=19.03.11 Server=19.03.11 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/2/artifact/yetus-jdk8-hadoop3-check/output/Dockerfile | | GITHUB PR | https://github.com/apache/hbase/pull/1903 | | JIRA Issue | HBASE-24562 | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux 100d7dc7025f 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 / 510aad3125 | | Default Java | 1.8.0_232 | | unit | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/2/artifact/yetus-jdk8-hadoop3-check/output/patch-unit-hbase-server.txt | | Test Results | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/2/testReport/ | | Max. process+thread count | 2581 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/2/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. @huaxiangsun About your last question. Well, yes, the test is not obvious. If you check the code you can see that setting a Procedure on the master replica node just before we would call `assignAsync` would make `preTransitCheck` fail and throw an `HBaseIOException`. I would have preferred something more direct, but `finishActiveMasterInitialization` is a monster method and couldn't find a nice way to show what's happening. I was considering reading the logs to verify an exception was logged, but that felt like an overkill.

8. :confetti_ball: **+1 overall** | Vote | Subsystem | Runtime | Comment | |:----:|:----------:|--------:|:--------| | +0 :ok: | reexec | 1m 8s | 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 47s | master passed | | +1 :green_heart: | checkstyle | 1m 17s | master passed | | +1 :green_heart: | spotbugs | 2m 5s | master passed | ||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 3m 42s | the patch passed | | -0 :warning: | checkstyle | 1m 12s | hbase-server: The patch generated 5 new + 110 unchanged - 0 fixed = 115 total (was 110) | | +1 :green_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green_heart: | hadoopcheck | 12m 16s | Patch does not cause any errors with Hadoop 3.1.2 3.2.1. | | | +1 :green_heart: | spotbugs | 2m 17s | the patch passed | ||| _ Other Tests _ | | +1 :green_heart: | asflicense | 0m 11s | The patch does not generate ASF License warnings. | | | | 35m 32s | | | Subsystem | Report/Notes | |----------:|:-------------| | Docker | Client=19.03.11 Server=19.03.11 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/3/artifact/yetus-general-check/output/Dockerfile | | GITHUB PR | https://github.com/apache/hbase/pull/1903 | | JIRA Issue | HBASE-24562 | | Optional Tests | dupname asflicense spotbugs hadoopcheck hbaseanti checkstyle | | uname | Linux c32c6db1e880 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 | master / bd79c4065c | | checkstyle | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/3/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-1903/3/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.

9. :confetti_ball: **+1 overall** | Vote | Subsystem | Runtime | Comment | |:----:|:----------:|--------:|:--------| | +0 :ok: | reexec | 1m 21s | 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 0s | master passed | | +1 :green_heart: | compile | 1m 19s | master passed | | +1 :green_heart: | shadedjars | 6m 38s | 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 | 4m 41s | the patch passed | | +1 :green_heart: | compile | 1m 17s | the patch passed | | +1 :green_heart: | javac | 1m 17s | the patch passed | | +1 :green_heart: |

shadedjars | 6m 35s | patch has no errors when building our shaded downstream artifacts. | || -0 :warning: | javadoc | 0m 41s | hbase-server in the patch failed. | ||| _ Other Tests _ | | +1 :green_heart: | unit | 191m 17s | hbase-server in the patch passed. | |||| 221m 23s | | | Subsystem | Report/Notes | |----------:|:-------------| | Docker | Client=19.03.11 Server=19.03.11 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/3/artifact/yetus-jdk11-hadoop3-check/output/Dockerfile | | GITHUB PR | https://github.com/apache/hbase/pull/1903 | | JIRA Issue | HBASE-24562 | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux c8c04b0b289c 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 | master / bd79c4065c | | Default Java | 2020-01-14 | | javadoc | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/3/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-server.txt | | javadoc | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/3/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-server.txt | | Test Results | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/3/testReport/ | | Max. process+thread count | 3485 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/3/console | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | | Powered by | Apache Yetus 0.11.1 https://yetus.apache.org | This message was automatically generated.

10. :broken_heart: **-1 overall** | Vote | Subsystem | Runtime | Comment | |:----:|----------:|--------:|:--------| | +0 :ok: | reexec | 1m 48s | 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 35s | master passed | | +1 :green_heart: | compile | 1m 6s | master passed | | +1 :green_heart: | shadedjars | 7m 2s | branch has no errors when building our shaded downstream artifacts. | | +1 :green_heart: | javadoc | 0m 45s | master passed | ||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 4m 41s | 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 | 7m 9s | patch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 45s | hbase-server generated 2 new + 26 unchanged - 0 fixed = 28 total (was 26) | ||| _ Other Tests _ | | -1 :x: | unit | 225m 40s | hbase-server in the patch failed. | |||| 256m 48s | | | Subsystem | Report/Notes | |----------:|:-------------| | Docker | Client=19.03.11 Server=19.03.11 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/3/artifact/yetus-jdk8-hadoop3-check/output/Dockerfile | | GITHUB PR | https://github.com/apache/hbase/pull/1903 | | JIRA Issue | HBASE-24562 | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux e953dd5d1810 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 / bd79c4065c | | Default Java | 1.8.0_232 | | javadoc | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/3/artifact/yetus-jdk8-hadoop3-check/output/diff-javadoc-javadoc-hbase-server.txt | | unit | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/3/artifact/yetus-jdk8-hadoop3-check/output/patch-unit-hbase-server.txt | | Test Results | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/3/testReport/ | | Max. process+thread count | 3600 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/3/console | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | | Powered by | Apache Yetus 0.11.1 https://yetus.apache.org | This message was automatically generated.

11. :confetti_ball: **+1 overall** | Vote | Subsystem | Runtime | Comment | |:----:|----------:|--------:|:--------| | +0 :ok: | reexec | 1m 6s | 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 5s | master passed | | +1 :green_heart: | checkstyle | 1m 15s | master passed | | +1 :green_heart: | spotbugs | 2m 7s | master passed | ||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 3m 45s | the patch passed | | -0 :warning: | checkstyle | 1m 13s | hbase-server: The patch generated 5 new + 110 unchanged - 0 fixed = 115 total (was 110) | | +1 :green_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green_heart: | hadoopcheck | 12m 19s | Patch does not cause any errors with Hadoop 3.1.2 3.2.1. | | +1 :green_heart: | spotbugs | 2m 14s | the patch passed | ||| _ Other Tests _ | | +1 :green_heart: | asflicense | 0m 12s | The patch does not generate ASF License warnings. | |||| 35m 57s | | | Subsystem | Report/Notes | |----------:|:-------------| | Docker | Client=19.03.11 Server=19.03.11 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/4/artifact/yetus-general-check/output/Dockerfile | | GITHUB PR | https://github.com/apache/hbase/pull/1903 | | JIRA Issue | HBASE-24562 | | Optional Tests | dupname asflicense spotbugs hadoopcheck hbaseanti checkstyle | | uname | Linux f0dc07436141 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 | master / 537a3caccd | | checkstyle | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/4/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-1903/4/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.

12. :confetti_ball: **+1 overall** | Vote | Subsystem | Runtime | Comment | |:----:|----------:|--------:|:--------| | +0 :ok: | reexec | 1m 40s | 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 6s | master passed | | +1 :green_heart: | compile | 1m 16s | master passed | | +1 :green_heart: | shadedjars | 6m 38s | branch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 47s | hbase-server in master failed. | ||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 4m 47s | 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 42s | patch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 49s | hbase-server in the patch failed. | ||| _ Other Tests _ | | +1 :green_heart: | unit | 221m 24s | hbase-server in the patch passed. | |||| 252m 20s | | | Subsystem | Report/Notes | |----------:|:-------------| | Docker | Client=19.03.11 Server=19.03.11 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/4/artifact/yetus-jdk11-hadoop3-check/output/Dockerfile | | GITHUB PR | https://github.com/apache/hbase/pull/1903 | | JIRA Issue | HBASE-24562 | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux 06e505436c79 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 / 537a3caccd | | Default Java | 2020-01-14 | | javadoc | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/4/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-server.txt | | javadoc | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/4/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-server.txt | | Test Results | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/4/testReport/ | | Max. process+thread count | 3142 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/4/console | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | | Powered by | Apache Yetus 0.11.1 https://yetus.apache.org | This message was automatically generated.

13. :confetti_ball: **+1 overall** | Vote | Subsystem | Runtime | Comment | |:----:|:----------:|:--------:|:--------| | +0 :ok: | reexec | 1m 39s | 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 19s | master passed | | +1 :green_heart: | compile | 1m 1s | master passed | | +1 :green_heart: | shadedjars | 6m 14s | 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 | 4m 3s | the patch passed | | +1 :green_heart: | compile | 1m 0s | the patch passed | | +1 :green_heart: | javac | 1m 0s | the patch passed | | +1 :green_heart: | shadedjars | 6m 15s | patch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 38s | hbase-server generated 2 new + 26 unchanged - 0 fixed = 28 total (was 26) | |||| _ Other Tests _ | | +1 :green_heart: | unit | 234m 43s | hbase-server in the patch passed. | |||| 262m 19s | | | Subsystem | Report/Notes | |----------:|:-------------| | Docker | Client=19.03.11 Server=19.03.11 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/4/artifact/yetus-jdk8-hadoop3-check/output/Dockerfile | | GITHUB PR | https://github.com/apache/hbase/pull/1903 | | JIRA Issue | HBASE-24562 | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux d06dd3ae6cde 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 / 537a3caccd | | Default Java | 1.8.0_232 | | javadoc | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/4/artifact/yetus-jdk8-hadoop3-check/output/diff-javadoc-javadoc-hbase-server.txt | | Test Results | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/4/testReport/ | | Max. process+thread count | 3049 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/4/console | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | | Powered by | Apache Yetus 0.11.1 https://yetus.apache.org | This message was automatically generated.

14. @huaxiangsun Made the last change requested. Thanks a lot for your feedback!

15. :confetti_ball: **+1 overall** | Vote | Subsystem | Runtime | Comment | |:----:|:----------:|:--------:|:--------| | +0 :ok: | reexec | 1m 7s | 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 51s | master passed | | +1 :green_heart: | checkstyle | 1m 14s | master passed | | +1 :green_heart: | spotbugs | 2m 5s | master passed | |||| _ Patch Compile Tests _ | | +1 :green_heart: | mvninstall | 3m 42s | the patch passed | | -0 :warning: | checkstyle | 1m 13s | hbase-server: The patch generated 5 new + 110 unchanged - 0 fixed = 115 total (was 110) | | +1 :green_heart: | whitespace | 0m 0s | The patch has no whitespace issues. | | +1 :green_heart: | hadoopcheck | 12m 13s | Patch does not cause any errors with Hadoop 3.1.2 3.2.1. | | +1 :green_heart: | spotbugs | 2m 13s | the patch passed | |||| _ Other Tests _ | | +1 :green_heart: | asflicense | 0m 12s | The patch does not generate ASF License warnings. | |||| 35m 37s | | | Subsystem | Report/Notes | |----------:|:-------------| | Docker | Client=19.03.11 Server=19.03.11 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/5/artifact/yetus-general-check/output/Dockerfile | | GITHUB PR | https://github.com/apache/hbase/pull/1903 | | JIRA Issue | HBASE-24562 | | Optional Tests | dupname asflicense spotbugs hadoopcheck hbaseanti checkstyle | | uname | Linux 35770235b390 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 | master / 537a3caccd | | checkstyle | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/5/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-1903/5/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.

16. :confetti_ball: **+1 overall** | Vote | Subsystem | Runtime | Comment | |:----:|:----------:|:--------:|:--------| | +0 :ok: | reexec | 1m 28s | 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 6s | master passed | | +1 :green_heart: | compile | 1m 15s | master passed | | +1 :green_heart: | shadedjars | 6m 40s | 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 46s | the patch passed | | +1 :green_heart: | compile | 1m 14s | the patch passed | | +1 :green_heart: | javac | 1m 14s | the patch passed | | +1 :green_heart: | shadedjars | 6m 49s | patch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 49s | hbase-server in the patch failed. | |||| _ Other Tests _ | | +1 :green_heart: | unit | 220m 19s | hbase-server in the patch passed. | |||| 251m 11s | | | Subsystem | Report/Notes | |----------:|:-------------| | Docker | Client=19.03.11 Server=19.03.11 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/5/artifact/yetus-jdk11-hadoop3-check/output/Dockerfile | | GITHUB PR | https://github.com/apache/hbase/pull/1903 | | JIRA Issue | HBASE-24562 | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux abb15ee4aba6 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 / 537a3caccd | | Default Java | 2020-01-14 | | javadoc | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/5/artifact/yetus-jdk11-hadoop3-check/output/branch-javadoc-hbase-server.txt | | javadoc | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/5/artifact/yetus-jdk11-hadoop3-check/output/patch-javadoc-hbase-server.txt | | Test Results | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/5/testReport/ | | Max. process+thread count | 3118 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | |

Console output | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/5/console | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | | Powered by | Apache Yetus 0.11.1 https://yetus.apache.org | This message was automatically generated.

17. :confetti_ball: **+1 overall** | Vote | Subsystem | Runtime | Comment | |:----:|----------:|--------:|:--------| | +0 :ok: | reexec | 1m 28s | 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 15s | master passed | | +1 :green_heart: | compile | 1m 2s | master passed | | +1 :green_heart: | shadedjars | 6m 12s | 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 55s | the patch passed | | +1 :green_heart: | compile | 1m 0s | the patch passed | | +1 :green_heart: | javac | 1m 0s | the patch passed | | +1 :green_heart: | shadedjars | 6m 9s | patch has no errors when building our shaded downstream artifacts. | | -0 :warning: | javadoc | 0m 37s | hbase-server generated 2 new + 26 unchanged - 0 fixed = 28 total (was 26) | ||| _ Other Tests _ | | +1 :green_heart: | unit | 234m 46s | hbase-server in the patch passed. | | | | 262m 2s | | | Subsystem | Report/Notes | |----------:|:-------------| | Docker | Client=19.03.11 Server=19.03.11 base: https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/5/artifact/yetus-jdk8-hadoop3-check/output/Dockerfile | | GITHUB PR | https://github.com/apache/hbase/pull/1903 | | JIRA Issue | HBASE-24562 | | Optional Tests | javac javadoc unit shadedjars compile | | uname | Linux ff9e1443d53a 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 / 537a3caccd | | Default Java | 1.8.0_232 | | javadoc | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/5/artifact/yetus-jdk8-hadoop3-check/output/diff-javadoc-javadoc-hbase-server.txt | | Test Results | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/5/testReport/ | | Max. process+thread count | 2917 (vs. ulimit of 12500) | | modules | C: hbase-server U: hbase-server | | Console output | https://builds.apache.org/job/HBase-PreCommit-GitHub-PR/job/PR-1903/5/console | | versions | git=2.17.1 maven=(cecedd343002696d0abb50b32b541b8a6ba2883f) | | Powered by | Apache Yetus 0.11.1 https://yetus.apache.org | This message was automatically generated.

18. **body:** Next time please fix the checkstyle issues before merging? We do not count checkstyle as -1 only because sometimes it is a bit hard to fix all the problems and also sometimes the violations are not introduced by the patch. But here the checkstyle issues are introduced by the PR... And please do not comment out a line of code? Just remove it. I see this in patch ``` public static class BrokenTransitRegionStateProcedure extends TransitRegionStateProcedure { protected BrokenTransitRegionStateProcedure() { //super(env, hri, assignCandidate, forceNewPlan, type); super(null, null, null, false,TransitionType.ASSIGN); } } ```
    label: code-design

github_pulls_reviews:

1. **body:** As the main purpose of the change is to allow Master to complete initialisation in case of meta replica failures, shouldn't this test assert that _HMaster.finishActiveMasterInitialization_ completes properly even with the induced replicas assignment failures? I can see we are asserting that replicas assignment fails, which is not what we actually want to safeguard from.
   label: test
2. Thanks for the feedback @wchevreuil ! I added a few extra checks to show that the partial meta replica assignment had happened and master is still active and running.
3. assignMetaReplicas() throws IOException, InterruptedException, and KeeperException. Why only HBaseIOException is processed here? Should it catch all exceptions and totally ignore all exceptions caused by assignMetaReplicas()?
4. Most of this method's code is a duplicate of the assign() above, the common part can be wrapped in a private method.
5. If we are adding a new public method, can we have doc for these two new methods?
6. **body:** Have one question about the test case, do not see any exceptions thrown out during assigning meta replica regions, how do we make sure the following code is working. ``` try { metaBootstrap.assignMetaReplicas(); } catch (HBaseIOException e){ ``` If we can make sure that the test can compile with or without the changes in non-test modules, it will be great as we can verify that without those changes, the test will fail. Seems with current implementation, it is not possible.
   label: test
7. **body:** Good question. The idea was, that as far as I can tell `InterruptedException` is never actually thrown and KeeperException represent a serious issue outside the scope of meta replication, that we should not hide. So I skipped those. Do you think some of them should be included?
   label: code-design
8. You are absolutely right. I'll fix this.
9. **body:** Most of KeeperException has been handled inside the methods when I looked through the code path. IMO, if we do not want meta replicas to prevent master to become active, we should just catch and log it, let the other critical modules to decide if it needs to abort/block.
   label: code-design
10. @BukrosSzabolcs Your explain about how the test works addressed my concerns, thanks.
11. Checked other places in the code and I see your point. I'll add KeeperException to the catch.
12. ``` void assignMetaReplicas() throws IOException, InterruptedException, KeeperException { ``` I think there is no InterruptedException, we can remove it from the prototype. In your patch, only HBaseIOException is handled, how about other IOException? Can we just catch IOException as well? Thanks.
13. That is the last comment I have, +1 otherwise.

jira_issues:

1. **summary:** master startup should not wait (or die) on assigning meta replicas
   description: Due to some other bug, a meta replica is stuck in transition forever. Master is running fine without it, however the initializer thread hasn't finished initialization for ~19 hours now and is stuck in the below state. Doesn't seem to be necessary to

wait for them - could just be fire-and-forget, normal region handling should handle it after that. {noformat} Thread 118 (master/...:17000:becomeActiveMaster): State: TIMED_WAITING Blocked count: 281 Waited count: 67059 Stack: java.lang.Thread.sleep(Native Method)
org.apache.hadoop.hbase.master.procedure.ProcedureSyncWait.waitFor(ProcedureSyncWait.java:209)
org.apache.hadoop.hbase.master.procedure.ProcedureSyncWait.waitFor(ProcedureSyncWait.java:192)
org.apache.hadoop.hbase.master.procedure.ProcedureSyncWait.waitForProcedureToComplete(ProcedureSyncWait.java:151)
org.apache.hadoop.hbase.master.procedure.ProcedureSyncWait.waitForProcedureToCompleteIOE(ProcedureSyncWait.java:140)
org.apache.hadoop.hbase.master.procedure.ProcedureSyncWait.submitAndWaitProcedure(ProcedureSyncWait.java:133)
org.apache.hadoop.hbase.master.assignment.AssignmentManager.assign(AssignmentManager.java:569)
org.apache.hadoop.hbase.master.MasterMetaBootstrap.assignMetaReplicas(MasterMetaBootstrap.java:84)
org.apache.hadoop.hbase.master.HMaster.finishActiveMasterInitialization(HMaster.java:1146)
org.apache.hadoop.hbase.master.HMaster.startActiveMasterManager(HMaster.java:2342) {noformat} Additionally and semi related, if the meta-hosting server dies during replica assignment, master also immediately dies, which is unnecessary. {noformat} 2018-12-14 21:00:55,331 ERROR [master/...:17000:becomeActiveMaster] master.HMaster: Failed to become active master org.apache.hadoop.hbase.HBaseIOException: rit=OFFLINE, location=null, table=hbase:meta, region=534574363 is currently in transition at
org.apache.hadoop.hbase.master.assignment.AssignmentManager.preTransitCheck(AssignmentManager.java:545) at
org.apache.hadoop.hbase.master.assignment.AssignmentManager.assign(AssignmentManager.java:563) at
org.apache.hadoop.hbase.master.MasterMetaBootstrap.assignMetaReplicas(MasterMetaBootstrap.java:84) at
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label: code-design

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jira_issues_comments:

1. **body:** Agree that we do not need to wait for non default meta replicas to be online when starting HMaster. But I'm afraid that the old code just wants to confirm that the meta replicas can work. I can see lots of comments in the code base which are always something like "TODO: handle meta replicas". So here I think we'd better find out a complete solution for meta replicas, i.e, how to initialize meta replicas for a fresh new cluster, how to increase or decrease meta replicas, and how deal with meta replicas in SCP and TRSP.
   label: code-design