

Item 10

git_comments:

git_commits:

1. **summary:** HBASE-18255 Set JVM code cache size in provided configuration (Vladimir Rodionov)
message: HBASE-18255 Set JVM code cache size in provided configuration (Vladimir Rodionov) Java7 defaults to 50MB (which is likely too small) and 256MB in Java8/9.

github_issues:

github_issues_comments:

github_pulls:

github_pulls_comments:

github_pulls_reviews:

jira_issues:

1. **summary:** Time-Delayed HBase Performance Degradation with Java 7
description: The good summary of the issue and provided resolution can be found in this article: <https://community.hortonworks.com/articles/105802/time-delayed-hbase-performance-degradation-with-java.html> In a few words, due to internal JVM 7 bug (which has been addressed only in Java 8), HotSpot code cache can become full and after that ALL JIT compilations get suspended indefinitely. The default value for code cache size in JVM 7 is quite low: 48MB. It is recommended to increase this value at least to 256MB (default in JVM 8). This BUG affects only 1.x

jira_issues_comments:

1. Simple patch is attached
2. cc: [~devaraj], [~elserj], [~enis]
3. +1 from me -- should prevent this from being a problem on Java7 and doesn't change semantics of Java8
Thanks for putting the patch together, Vlad!
4. Great read. Thanks for the info. Thanks for the patch too. Should we specifically check if the JDK is 7 and then apply the fix? Just asking.
5. {quote} Should we specifically check if the JDK is 7 and then apply the fix? {quote} We set code cache size to 256MB. This works for JDK7. In JDK 8 256MB is the default code cache size, so in case of JDK 8 the patch is noop (no-operation).
6. +1. It took a VERY long time to debug this.
7. [~enis], [~elserj] can you commit this patch?
8. ping
9. [~enis], [~elserj] we have already 2 +1s.
10. Sorry, distracted with other things. Let me commit before it lingers more.
11. Pushed to all 1.x branches. Thanks for the quick patch, Vlad!
12. SUCCESS: Integrated in Jenkins build HBase-1.2-IT #893 (See [<https://builds.apache.org/job/HBase-1.2-IT/893/>]) HBASE-18255 Set JVM code cache size in provided configuration (Vladimir (elserj: rev 8a996e3413e93ff7b421a9a5c611ad122439d681) * (edit) conf/hbase-env.cmd * (edit) conf/hbase-env.sh
13. SUCCESS: Integrated in Jenkins build HBase-1.1-JDK8 #1972 (See [<https://builds.apache.org/job/HBase-1.1-JDK8/1972/>]) HBASE-18255 Set JVM code cache size in provided configuration (Vladimir (elserj: rev 975eaabad0f90035bfab17be6606ca56359a97bf) * (edit) conf/hbase-env.cmd * (edit) conf/hbase-env.sh
14. FAILURE: Integrated in Jenkins build HBase-1.4 #801 (See [<https://builds.apache.org/job/HBase-1.4/801/>]) HBASE-18255 Set JVM code cache size in provided configuration (Vladimir (elserj: rev 3a0a3fd5fe8428fe2aca953f2f83bfaddde37452) * (edit) conf/hbase-env.cmd * (edit) conf/hbase-env.sh
15. SUCCESS: Integrated in Jenkins build HBase-1.1-JDK7 #1889 (See [<https://builds.apache.org/job/HBase-1.1-JDK7/1889/>]) HBASE-18255 Set JVM code cache size in

- provided configuration (Vladimir (elserj: rev 975eaabad0f90035bfab17be6606ca56359a97bf) * (edit) conf/hbase-env.sh * (edit) conf/hbase-env.cmd
16. SUCCESS: Integrated in Jenkins build HBase-1.2-JDK8 #156 (See [<https://builds.apache.org/job/HBase-1.2-JDK8/156/>]) HBASE-18255 Set JVM code cache size in provided configuration (Vladimir (elserj: rev 8a996e3413e93ff7b421a9a5c611ad122439d681) * (edit) conf/hbase-env.cmd * (edit) conf/hbase-env.sh
 17. SUCCESS: Integrated in Jenkins build HBase-1.3-JDK8 #206 (See [<https://builds.apache.org/job/HBase-1.3-JDK8/206/>]) HBASE-18255 Set JVM code cache size in provided configuration (Vladimir (elserj: rev 29e0e7317732e84ed02b279e4995fa012cdf041e) * (edit) conf/hbase-env.cmd * (edit) conf/hbase-env.sh
 18. SUCCESS: Integrated in Jenkins build HBase-1.3-JDK7 #192 (See [<https://builds.apache.org/job/HBase-1.3-JDK7/192/>]) HBASE-18255 Set JVM code cache size in provided configuration (Vladimir (elserj: rev 29e0e7317732e84ed02b279e4995fa012cdf041e) * (edit) conf/hbase-env.cmd * (edit) conf/hbase-env.sh
 19. SUCCESS: Integrated in Jenkins build HBase-1.2-JDK7 #160 (See [<https://builds.apache.org/job/HBase-1.2-JDK7/160/>]) HBASE-18255 Set JVM code cache size in provided configuration (Vladimir (elserj: rev 8a996e3413e93ff7b421a9a5c611ad122439d681) * (edit) conf/hbase-env.cmd * (edit) conf/hbase-env.sh
 20. can we get a release note on this please?
 21. **body:** Just added a sentence or two for the release notes.
label: documentation
 22. FAILURE: Integrated in Jenkins build HBase-1.2-JDK7 #190 (See [<https://builds.apache.org/job/HBase-1.2-JDK7/190/>]) HBASE-18479 should apply HBASE-18255 to HBASE_MASTER_OPTS too (tedyu: rev 9f809748d72b39489f202a56aba107cf7386f30c) * (edit) conf/hbase-env.sh * (edit) conf/hbase-env.cmd
 23. SUCCESS: Integrated in Jenkins build HBase-1.3-IT #164 (See [<https://builds.apache.org/job/HBase-1.3-IT/164/>]) HBASE-18479 should apply HBASE-18255 to HBASE_MASTER_OPTS too (tedyu: rev d87b63e7319303a01d2a71fc022e69c434163cce) * (edit) conf/hbase-env.cmd * (edit) conf/hbase-env.sh
 24. FAILURE: Integrated in Jenkins build HBase-1.3-JDK7 #227 (See [<https://builds.apache.org/job/HBase-1.3-JDK7/227/>]) HBASE-18479 should apply HBASE-18255 to HBASE_MASTER_OPTS too (tedyu: rev d87b63e7319303a01d2a71fc022e69c434163cce) * (edit) conf/hbase-env.sh * (edit) conf/hbase-env.cmd
 25. SUCCESS: Integrated in Jenkins build HBase-1.2-IT #925 (See [<https://builds.apache.org/job/HBase-1.2-IT/925/>]) HBASE-18479 should apply HBASE-18255 to HBASE_MASTER_OPTS too (tedyu: rev 9f809748d72b39489f202a56aba107cf7386f30c) * (edit) conf/hbase-env.sh * (edit) conf/hbase-env.cmd
 26. SUCCESS: Integrated in Jenkins build HBase-1.2-JDK8 #185 (See [<https://builds.apache.org/job/HBase-1.2-JDK8/185/>]) HBASE-18479 should apply HBASE-18255 to HBASE_MASTER_OPTS too (tedyu: rev 9f809748d72b39489f202a56aba107cf7386f30c) * (edit) conf/hbase-env.cmd * (edit) conf/hbase-env.sh
 27. FAILURE: Integrated in Jenkins build HBase-1.4 #846 (See [<https://builds.apache.org/job/HBase-1.4/846/>]) HBASE-18479 should apply HBASE-18255 to HBASE_MASTER_OPTS too (tedyu: rev 97c6ee5124f2dc34bc9d8678594d9a86dbb4b25b) * (edit) conf/hbase-env.sh * (edit) conf/hbase-env.cmd
 28. SUCCESS: Integrated in Jenkins build HBase-1.3-JDK8 #241 (See [<https://builds.apache.org/job/HBase-1.3-JDK8/241/>]) HBASE-18479 should apply HBASE-18255 to HBASE_MASTER_OPTS too (tedyu: rev d87b63e7319303a01d2a71fc022e69c434163cce) * (edit) conf/hbase-env.sh * (edit) conf/hbase-env.cmd