Item 18
git_comments:

1. * * A BlockingQueue reports waiting time in queue and queue length to * ThriftMetrics.
2. * Licensed to the Apache Software Foundation (ASF) under one * or more contributor license agreements. See the NOTICE file * distributed with this work for additional information * regarding copyright ownership. The ASF licenses this file * to you under the Apache License, Version 2.0 (the * "License"); you may not use this file except in compliance * with the License. You may obtain a copy of the License at * * http://www.apache.org/licenses/LICENSE-2.0 * * Unless required by applicable law or agreed to in writing, software * distributed under the License is distributed on an "AS IS" BASIS, * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. * See the License for the specific language governing permissions and * limitations under the License.
3. * * Converts a Hbase.Iface using InvocationHandler so that it reports process * time of each call to ThriftMetrics.
4. * * Licensed to the Apache Software Foundation (ASF) under one * or more contributor license agreements. See the NOTICE file * distributed with this work for additional information * regarding copyright ownership. The ASF licenses this file * to you under the Apache License, Version 2.0 (the * "License"); you may not use this file except in compliance * with the License. You may obtain a copy of the License at * * http://www.apache.org/licenses/LICENSE-2.0 * * Unless required by applicable law or agreed to in writing, software * distributed under the License is distributed on an "AS IS" BASIS, * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. * See the License for the specific language governing permissions and * limitations under the License.
5. * * This class is for maintaining the various statistics of thrift server * and publishing them through the metrics interfaces.
6. getMetricsList() and pushMetric() are thread safe methods
7. * * Push the metrics to the monitoring subsystem on doUpdate() call.
8. inc general processTime
9. ignore methods that dont exist.
10. * Copyright The Apache Software Foundation * * Licensed to the Apache Software Foundation (ASF) under one or more * contributor license agreements. See the NOTICE file distributed with this * work for additional information regarding copyright ownership. The ASF * licenses this file to you under the Apache License, Version 2.0 (the * "License"); you may not use this file except in compliance with the License. * You may obtain a copy of the License at * * http://www.apache.org/licenses/LICENSE-2.0 * * Unless required by applicable law or agreed to in writing, software * distributed under the License is distributed on an "AS IS" BASIS, WITHOUT * WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the * License for the specific language governing permissions and limitations * under the License.
11. inc method specific processTime
12. * Copyright The Apache Software Foundation * * Licensed to the Apache Software Foundation (ASF) under one or more * contributor license agreements. See the NOTICE file distributed with this * work for additional information regarding copyright ownership. The ASF * licenses this file to you under the Apache License, Version 2.0 (the * "License"); you may not use this file except in compliance with the License. * You may obtain a copy of the License at * * http://www.apache.org/licenses/LICENSE-2.0 * * Unless required by applicable law or agreed to in writing, software * distributed under the License is distributed on an "AS IS" BASIS, WITHOUT * WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the * License for the specific language governing permissions and limitations * under the License.
13. * * Unit testing for CallQueue, a part of the * org.apache.hadoop.hbase.thrift package.
14. * * Return the server working queue
15. * * Tests if the metrics for thrift handler work correctly

git_commits:

1. **summary:** HBASE-5186 Add metrics to ThriftServer (Scott Chen)
   message: HBASE-5186 Add metrics to ThriftServer (Scott Chen) git-svn-id: https://svn.apache.org/repos/asf/hbase/trunk@1239737 13f79535-47bb-0310-9956-ffa450edef68

github_issues:

github_issues_comments:

github_pulls:

github_pulls_comments:

github_pulls_reviews:

jira_issues:

1. **summary:** Add metrics to ThriftServer
   description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.
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   description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.
   label: code-design
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15. **summary:** Add metrics to ThriftServer
    description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.
16. **summary:** Add metrics to ThriftServer
    description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are

slow.

17. **summary:** Add metrics to ThriftServer
    description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.
18. **summary:** Add metrics to ThriftServer
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    label: code-design
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    description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.
31. **summary:** Add metrics to ThriftServer
    description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.
    label: code-design
32. **summary:** Add metrics to ThriftServer

description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.

33. **summary:** Add metrics to ThriftServer

   description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.

34. **summary:** Add metrics to ThriftServer

   description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.

   label: code-design

35. **summary:** Add metrics to ThriftServer

   description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.

36. **summary:** Add metrics to ThriftServer

   description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.

   label: code-design

37. **summary:** Add metrics to ThriftServer

   description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.

38. **summary:** Add metrics to ThriftServer

   description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.

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   description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.

   label: code-design

40. **summary:** Add metrics to ThriftServer

   description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.

41. **summary:** Add metrics to ThriftServer

   description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.

42. **summary:** Add metrics to ThriftServer

   description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.

43. **summary:** Add metrics to ThriftServer

   description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.

44. **summary:** Add metrics to ThriftServer

   description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.

45. **summary:** Add metrics to ThriftServer

   description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.

   label: code-design

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   description: It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow.

jira_issues_comments:

1. sc requested code review of "HBASE-5186 [jira] Add metrics to ThriftServer". Reviewers: dhruba, tedyu, JIRA Add metrics to ThriftServer It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow. It will be useful to have some metrics (queue length, waiting time, processing time ...) similar to Hadoop RPC server. This allows us to monitor system health also provide a tool to diagnose the problem where thrift calls are slow. TEST PLAN EMPTY REVISION DETAIL https://reviews.facebook.net/D1461 AFFECTED FILES pom.xml src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java src/main/java/org/apache/hadoop/hbase/thrift/HbaseHandlerMetricsProxy.java src/main/java/org/apache/hadoop/hbase/thrift/TBoundedThreadPoolServer.java src/main/java/org/apache/hadoop/hbase/thrift/ThriftMetrics.java src/main/java/org/apache/hadoop/hbase/thrift/ThriftServerRunner.java src/test/java/org/apache/hadoop/hbase/thrift/TestThriftServer.java MANAGE HERALD DIFFERENTIAL RULES https://reviews.facebook.net/herald/view/differential/ WHY DID I GET THIS EMAIL? https://reviews.facebook.net/herald/transcript/3021/ Tip: use the X-Herald-Rules header to filter Herald messages in your client.

2. sc updated the revision "HBASE-5186 [jira] Add metrics to ThriftServer". Reviewers: dhruba, tedyu, JIRA Remove the debug change REVISION DETAIL https://reviews.facebook.net/D1461 AFFECTED FILES src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java src/main/java/org/apache/hadoop/hbase/thrift/HbaseHandlerMetricsProxy.java src/main/java/org/apache/hadoop/hbase/thrift/TBoundedThreadPoolServer.java src/main/java/org/apache/hadoop/hbase/thrift/ThriftMetrics.java src/main/java/org/apache/hadoop/hbase/thrift/ThriftServerRunner.java src/test/java/org/apache/hadoop/hbase/thrift/TestThriftServer.java

3. sc updated the revision "HBASE-5186 [jira] Add metrics to ThriftServer". Reviewers: dhruba, tedyu, JIRA Add TestCallQueue REVISION DETAIL https://reviews.facebook.net/D1461 AFFECTED FILES src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java src/main/java/org/apache/hadoop/hbase/thrift/HbaseHandlerMetricsProxy.java src/main/java/org/apache/hadoop/hbase/thrift/TBoundedThreadPoolServer.java src/main/java/org/apache/hadoop/hbase/thrift/ThriftMetrics.java src/main/java/org/apache/hadoop/hbase/thrift/ThriftServerRunner.java src/test/java/org/apache/hadoop/hbase/thrift/TestCallQueue.java src/test/java/org/apache/hadoop/hbase/thrift/TestThriftServer.java

4. sc updated the revision "HBASE-5186 [jira] Add metrics to ThriftServer". Reviewers: dhruba, tedyu, JIRA, heyongqiang Remove some dead variables REVISION DETAIL https://reviews.facebook.net/D1461 AFFECTED FILES src/main/java/org/apache/hadoop/hbase/regionserver/HRegionThriftServer.java src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java src/main/java/org/apache/hadoop/hbase/thrift/HbaseHandlerMetricsProxy.java src/main/java/org/apache/hadoop/hbase/thrift/TBoundedThreadPoolServer.java src/main/java/org/apache/hadoop/hbase/thrift/ThriftMetrics.java src/main/java/org/apache/hadoop/hbase/thrift/ThriftServerRunner.java src/test/java/org/apache/hadoop/hbase/thrift/TestCallQueue.java src/test/java/org/apache/hadoop/hbase/thrift/TestThriftServer.java

5. **body:** sc updated the revision "HBASE-5186 [jira] Add metrics to ThriftServer". Reviewers: dhruba, tedyu, JIRA, heyongqiang Remove unnecessary locking in ThriftMetrics REVISION DETAIL https://reviews.facebook.net/D1461 AFFECTED FILES src/main/java/org/apache/hadoop/hbase/regionserver/HRegionThriftServer.java src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java src/main/java/org/apache/hadoop/hbase/thrift/HbaseHandlerMetricsProxy.java src/main/java/org/apache/hadoop/hbase/thrift/TBoundedThreadPoolServer.java src/main/java/org/apache/hadoop/hbase/thrift/ThriftMetrics.java src/main/java/org/apache/hadoop/hbase/thrift/ThriftServerRunner.java src/test/java/org/apache/hadoop/hbase/thrift/TestCallQueue.java src/test/java/org/apache/hadoop/hbase/thrift/TestThriftServer.java
   label: code-design

6. -1 overall. Here are the results of testing the latest attachment http://issues.apache.org/jira/secure/attachment/12512070/HBASE-5186.D1461.5.patch against trunk revision . +1 @author. The patch does not contain any @author tags. +1 tests included. The patch appears to include 5 new or modified tests. -1 javadoc. The javadoc tool appears to have generated -140 warning messages. +1 javac. The applied patch does not increase the total number of javac compiler warnings. -1 findbugs. The patch appears to introduce 161 new Findbugs (version 1.3.9) warnings. +1 release audit. The applied patch does not increase the total number of release audit warnings. -1 core tests. The patch failed these unit tests: org.apache.hadoop.hbase.client.TestFromClientSide org.apache.hadoop.hbase.io.hfile.TestHFileBlock org.apache.hadoop.hbase.mapreduce.TestImportTsv org.apache.hadoop.hbase.mapred.TestTableMapReduce org.apache.hadoop.hbase.mapreduce.TestHFileOutputFormat Test results: https://builds.apache.org/job/PreCommit-HBASE-Build/865//testReport/ Findbugs warnings: https://builds.apache.org/job/PreCommit-HBASE-

Build/865//artifact/trunk/patchprocess/newPatchFindbugsWarnings.html Console output: https://builds.apache.org/job/PreCommit-HBASE-Build/865//console This message is automatically generated.

7. **body:** tedyu has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". INLINE COMMENTS src/main/java/org/apache/hadoop/hbase/thrift/ThriftMetrics.java:2 Year is not needed. src/main/java/org/apache/hadoop/hbase/thrift/ThriftMetrics.java:44 Would ThriftMetrics be created for thrift2 ? Fine if you plan to do it in another JIRA. src/main/java/org/apache/hadoop/hbase/thrift/ThriftMetrics.java:53 As the code on line 102 shows, "hbase.thrift.slow.response.nano.second" may be a better name for this config. src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:57 Would timeInQueue be a better method name ? src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:29 Does the call queue length in metrics match 'total elements removed' in javadoc ? src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:128 According to http://docs.oracle.com/javase/6/docs/api/java/util/concurrent/BlockingQueue.html#drainTo%28java.util.Collection%29: Attempts to drain a queue to itself result in IllegalArgumentException. We should maintain the above semantics. src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:153 Can we add the new Call object to underlyingQueue ? This way we don't need to create toBeAdded REVISION DETAIL https://reviews.facebook.net/D1461

   label: code-design

8. tedyu has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". Methods in class CallQueue look packed. Usually we leave one empty line between methods. REVISION DETAIL https://reviews.facebook.net/D1461

9. sc has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". Ted: Thanks for reviewing. I will make the change to this patch soon. I will make the change for thrift2 in another JIRA. REVISION DETAIL https://reviews.facebook.net/D1461

10. I have opened HBASE-5298 for thrift2 metrics.

11. sc has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". INLINE COMMENTS src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:128 good catch REVISION DETAIL https://reviews.facebook.net/D1461

12. sc updated the revision "HBASE-5186 [jira] Add metrics to ThriftServer". Reviewers: dhruba, tedyu, JIRA, heyongqiang Addressed Ted's comments REVISION DETAIL https://reviews.facebook.net/D1461 AFFECTED FILES src/main/java/org/apache/hadoop/hbase/regionserver/HRegionThriftServer.java src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java src/main/java/org/apache/hadoop/hbase/thrift/HbaseHandlerMetricsProxy.java src/main/java/org/apache/hadoop/hbase/thrift/TBoundedThreadPoolServer.java src/main/java/org/apache/hadoop/hbase/thrift/ThriftMetrics.java src/main/java/org/apache/hadoop/hbase/thrift/ThriftServerRunner.java src/test/java/org/apache/hadoop/hbase/thrift/TestCallQueue.java src/test/java/org/apache/hadoop/hbase/thrift/TestThriftServer.java

13. -1 overall. Here are the results of testing the latest attachment http://issues.apache.org/jira/secure/attachment/12512410/HBASE-5186.D1461.6.patch against trunk revision . +1 @author. The patch does not contain any @author tags. +1 tests included. The patch appears to include 5 new or modified tests. -1 javadoc. The javadoc tool appears to have generated -140 warning messages. +1 javac. The applied patch does not increase the total number of javac compiler warnings. -1 findbugs. The patch appears to introduce 161 new Findbugs (version 1.3.9) warnings. +1 release audit. The applied patch does not increase the total number of release audit warnings. +1 core tests. The patch passed unit tests in . Test results: https://builds.apache.org/job/PreCommit-HBASE-Build/871//testReport/ Findbugs warnings: https://builds.apache.org/job/PreCommit-HBASE-Build/871//artifact/trunk/patchprocess/newPatchFindbugsWarnings.html Console output: https://builds.apache.org/job/PreCommit-HBASE-Build/871//console This message is automatically generated.

14. tedyu has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". INLINE COMMENTS src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:67 Should we consider startTime when performing equality check ? src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:77 Same comment as above: include startTime in hash code ? src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:34 The class is CallQueue. Should we tighten the type parameter to Call ? The reasoning is that users of CallQueue should use offer(), put(), etc to insert Runnable's and these methods wrap the Runnable in Call already. That way we can save instanceof checks. REVISION DETAIL https://reviews.facebook.net/D1461

15. sc has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". INLINE COMMENTS src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:34 good idea. I will make the change. REVISION DETAIL https://reviews.facebook.net/D1461

16. sc updated the revision "HBASE-5186 [jira] Add metrics to ThriftServer". Reviewers: dhruba, tedyu, JIRA, heyongqiang Make underlyingQueue a BlockingQueue<Call>. REVISION DETAIL https://reviews.facebook.net/D1461 AFFECTED FILES src/main/java/org/apache/hadoop/hbase/regionserver/HRegionThriftServer.java src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java src/main/java/org/apache/hadoop/hbase/thrift/HbaseHandlerMetricsProxy.java src/main/java/org/apache/hadoop/hbase/thrift/TBoundedThreadPoolServer.java src/main/java/org/apache/hadoop/hbase/thrift/ThriftMetrics.java

src/main/java/org/apache/hadoop/hbase/thrift/ThriftServerRunner.java
src/test/java/org/apache/hadoop/hbase/thrift/TestCallQueue.java
src/test/java/org/apache/hadoop/hbase/thrift/TestThriftServer.java

17. sc has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". INLINE COMMENTS src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:67 I am not sure if we should check startTime. One might want to remove a Runnable added to the CallQueue (which is a BlockingQueue<Runnable>). Adding the startTime check will remove this ability. REVISION DETAIL https://reviews.facebook.net/D1461

18. -1 overall. Here are the results of testing the latest attachment http://issues.apache.org/jira/secure/attachment/12512562/HBASE-5186.D1461.7.patch against trunk revision . +1 @author. The patch does not contain any @author tags. +1 tests included. The patch appears to include 5 new or modified tests. -1 javadoc. The javadoc tool appears to have generated -140 warning messages. +1 javac. The applied patch does not increase the total number of javac compiler warnings. -1 findbugs. The patch appears to introduce 161 new Findbugs (version 1.3.9) warnings. +1 release audit. The applied patch does not increase the total number of release audit warnings. -1 core tests. The patch failed these unit tests: org.apache.hadoop.hbase.io.hfile.TestLruBlockCache org.apache.hadoop.hbase.mapreduce.TestImportTsv org.apache.hadoop.hbase.mapred.TestTableMapReduce org.apache.hadoop.hbase.mapreduce.TestHFileOutputFormat Test results: https://builds.apache.org/job/PreCommit-HBASE-Build/881//testReport/ Findbugs warnings: https://builds.apache.org/job/PreCommit-HBASE-Build/881//artifact/trunk/patchprocess/newPatchFindbugsWarnings.html Console output: https://builds.apache.org/job/PreCommit-HBASE-Build/881//console This message is automatically generated.

19. tedyu has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". INLINE COMMENTS src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:126 We iterate underlyingQueue twice. Can we reduce to one iteration ? We can call underlyingQueue.clear() at the end. src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:125 Can we reuse the drainTo() at line 134 and specify Integer.MAX_VALUE here ? src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:141 Reduce to one iteration. src/main/java/org/apache/hadoop/hbase/thrift/HbaseHandlerMetricsProxy.java:34 Should read 'each call' REVISION DETAIL https://reviews.facebook.net/D1461

20. sc has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". @tedyu: Thanks! The comments make sense. I will update the patch soon. REVISION DETAIL https://reviews.facebook.net/D1461

21. sc has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". INLINE COMMENTS src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:126 @tedyu: On second thought, I think using draintTo() might still be better. Iterating underlyingQueue and then calling clear() doesn't work for the case that maxElements is given. Also there may be some thread-safe issues need to be solved. Am I understanding your comment correctly? What do you think? REVISION DETAIL https://reviews.facebook.net/D1461

22. sc updated the revision "HBASE-5186 [jira] Add metrics to ThriftServer". Reviewers: dhruba, tedyu, JIRA, heyongqiang Addressed Ted's comments REVISION DETAIL https://reviews.facebook.net/D1461 AFFECTED FILES src/main/java/org/apache/hadoop/hbase/regionserver/HRegionThriftServer.java src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java src/main/java/org/apache/hadoop/hbase/thrift/HbaseHandlerMetricsProxy.java src/main/java/org/apache/hadoop/hbase/thrift/TBoundedThreadPoolServer.java src/main/java/org/apache/hadoop/hbase/thrift/ThriftMetrics.java src/main/java/org/apache/hadoop/hbase/thrift/ThriftServerRunner.java src/test/java/org/apache/hadoop/hbase/thrift/TestCallQueue.java src/test/java/org/apache/hadoop/hbase/thrift/TestThriftServer.java

23. -1 overall. Here are the results of testing the latest attachment http://issues.apache.org/jira/secure/attachment/12512748/HBASE-5186.D1461.8.patch against trunk revision . +1 @author. The patch does not contain any @author tags. +1 tests included. The patch appears to include 5 new or modified tests. -1 javadoc. The javadoc tool appears to have generated -140 warning messages. +1 javac. The applied patch does not increase the total number of javac compiler warnings. -1 findbugs. The patch appears to introduce 157 new Findbugs (version 1.3.9) warnings. +1 release audit. The applied patch does not increase the total number of release audit warnings. -1 core tests. The patch failed these unit tests: org.apache.hadoop.hbase.coprocessor.TestMasterObserver org.apache.hadoop.hbase.mapreduce.TestImportTsv org.apache.hadoop.hbase.mapred.TestTableMapReduce org.apache.hadoop.hbase.mapreduce.TestHFileOutputFormat Test results: https://builds.apache.org/job/PreCommit-HBASE-Build/887//testReport/ Findbugs warnings: https://builds.apache.org/job/PreCommit-HBASE-Build/887//artifact/trunk/patchprocess/newPatchFindbugsWarnings.html Console output: https://builds.apache.org/job/PreCommit-HBASE-Build/887//console This message is automatically generated.

24. tedyu has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". Thanks for the hard work. One last comment :-) INLINE COMMENTS src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:131 Good point about clear() unsuitable for this method. Can we use underlyingQueue.iterator() and remove at most maxElements elements from underlyingQueue ? REVISION DETAIL https://reviews.facebook.net/D1461

25. Patch v9 is almost same as patch v8. I used an iterator to traverse underlyingQueue in drainTo(). @Scott: If v9 looks good to you, I will integrate tomorrow.

26. -1 overall. Here are the results of testing the latest attachment http://issues.apache.org/jira/secure/attachment/12512780/5186-v9.txt against trunk revision . +1 @author. The patch

does not contain any @author tags. +1 tests included. The patch appears to include 5 new or modified tests. -1 javadoc. The javadoc tool appears to have generated -140 warning messages. +1 javac. The applied patch does not increase the total number of javac compiler warnings. -1 findbugs. The patch appears to introduce 157 new Findbugs (version 1.3.9) warnings. +1 release audit. The applied patch does not increase the total number of release audit warnings. -1 core tests. The patch failed these unit tests: org.apache.hadoop.hbase.client.TestAdmin org.apache.hadoop.hbase.replication.TestReplicationPeer org.apache.hadoop.hbase.io.hfile.TestHFileBlock org.apache.hadoop.hbase.mapreduce.TestImportTsv org.apache.hadoop.hbase.mapred.TestTableMapReduce org.apache.hadoop.hbase.mapreduce.TestHFileOutputFormat Test results: https://builds.apache.org/job/PreCommit-HBASE-Build/888//testReport/ Findbugs warnings: https://builds.apache.org/job/PreCommit-HBASE-Build/888//artifact/trunk/patchprocess/newPatchFindbugsWarnings.html Console output: https://builds.apache.org/job/PreCommit-HBASE-Build/888//console This message is automatically generated.

27. Ran the two additional failed tests locally based on patch v9 and they passed: {code} 822 mt -Dtest=TestReplicationPeer 824 mt -Dtest=TestAdmin {code}

28. **body:** sc has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". INLINE COMMENTS src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:131 If there is another thread also adding elements at the same time, we may remove the wrong element. It is not clean to me how to solve the concurrency problem here. Ted: Do you have any suggestions? REVISION DETAIL https://reviews.facebook.net/D1461
   label: code-design

29. tedyu has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". INLINE COMMENTS src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:131 Good point. Addressed the concurrency issue in patch v10. REVISION DETAIL https://reviews.facebook.net/D1461

30. Patch v10 addresses concurrency issue in drainTo().

31. **body:** sc has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". INLINE COMMENTS src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:131 Ted: Looked at v10. It seems to me that we also need to lock this.lock while invoking other methods (take, poll...) on underlyingQueue. Otherwise the lock may not be protecting these operations. But if we do that the performance may be degraded because some of the BlockingQueue use only compareAndSet with no locking. REVISION DETAIL https://reviews.facebook.net/D1461
   label: code-design

32. tedyu has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". INLINE COMMENTS src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:131 I don't see compareAndSet in http://fuseyism.com/classpath/doc/java/util/concurrent/ArrayBlockingQueue-source.html Or here: http://fuseyism.com/classpath/doc/java/util/concurrent/LinkedBlockingQueue-source.html Will upload patch v11 which adds protection for other methods. REVISION DETAIL https://reviews.facebook.net/D1461

33. Patch v11 adds protection to other methods of CallQueue.java

34. **body:** sc has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". INLINE COMMENTS src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:131 Cool. If they all use locking as concurrency control, adding one extra lock will not change the performance much. v11 looks good to me. I only have one question. I notice that there is no lock for add, remove, addAll, containsAll, retainAll and removeAll in v11. Is that intentional? REVISION DETAIL https://reviews.facebook.net/D1461
   label: code-design

35. -1 overall. Here are the results of testing the latest attachment http://issues.apache.org/jira/secure/attachment/12512887/5186-v11.txt against trunk revision . +1 @author. The patch does not contain any @author tags. +1 tests included. The patch appears to include 5 new or modified tests. -1 javadoc. The javadoc tool appears to have generated -140 warning messages. +1 javac. The applied patch does not increase the total number of javac compiler warnings. -1 findbugs. The patch appears to introduce 157 new Findbugs (version 1.3.9) warnings. +1 release audit. The applied patch does not increase the total number of release audit warnings. -1 core tests. The patch failed these unit tests: org.apache.hadoop.hbase.thrift.TestThriftServerCmdLine Test results: https://builds.apache.org/job/PreCommit-HBASE-Build/891//testReport/ Findbugs warnings: https://builds.apache.org/job/PreCommit-HBASE-Build/891//artifact/trunk/patchprocess/newPatchFindbugsWarnings.html Console output: https://builds.apache.org/job/PreCommit-HBASE-Build/891//console This message is automatically generated.

36. **body:** tedyu has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". INLINE COMMENTS src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:131 I searched HBase code base and didn't find any call to drainTo(). For simplicity and correctness, I think patch v8 looks better. If drainTo() becomes performance bottleneck, we can come back optimizing it. REVISION DETAIL https://reviews.facebook.net/D1461
   label: code-design

37. sc has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". INLINE COMMENTS src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:131 Ted: I agree. I think ExecutorService only do put() and take() to this queue. It's better to keep things simple. Thanks for the effort for optimizing the code :-) REVISION DETAIL https://reviews.facebook.net/D1461

38. sc has commented on the revision "HBASE-5186 [jira] Add metrics to ThriftServer". INLINE COMMENTS src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java:131 Just checked openjdk ThreadPoolExecutor.java http://grepcode.com/file/repository.grepcode.com/java/root/jdk/openjdk/6-b14/java/util/concurrent/ThreadPoolExecutor.java#ThreadPoolExecutor drainTo() is called by drainQueue() which is

called only in shutdownNow(). So I guess you are right about that we can leave this for now. REVISION DETAIL https://reviews.facebook.net/D1461

39. **body:** Patch v12 adds logging to CallQueue.java
    label: code-design

40. -1 overall. Here are the results of testing the latest attachment http://issues.apache.org/jira/secure/attachment/12512964/5186-v12.txt against trunk revision . +1 @author. The patch does not contain any @author tags. +1 tests included. The patch appears to include 5 new or modified tests. -1 javadoc. The javadoc tool appears to have generated -140 warning messages. +1 javac. The applied patch does not increase the total number of javac compiler warnings. -1 findbugs. The patch appears to introduce 157 new Findbugs (version 1.3.9) warnings. +1 release audit. The applied patch does not increase the total number of release audit warnings. -1 core tests. The patch failed these unit tests: org.apache.hadoop.hbase.mapreduce.TestImportTsv org.apache.hadoop.hbase.mapred.TestTableMapReduce org.apache.hadoop.hbase.mapreduce.TestHFileOutputFormat Test results: https://builds.apache.org/job/PreCommit-HBASE-Build/895//testReport/ Findbugs warnings: https://builds.apache.org/job/PreCommit-HBASE-Build/895//artifact/trunk/patchprocess/newPatchFindbugsWarnings.html Console output: https://builds.apache.org/job/PreCommit-HBASE-Build/895//console This message is automatically generated.

41. Integrated to TRUNK. Thanks for the patch Scott.

42. Integrated in HBase-TRUNK #2652 (See [https://builds.apache.org/job/HBase-TRUNK/2652/]) HBASE-5186 Add metrics to ThriftServer (Scott Chen) tedyu : Files : * /hbase/trunk/src/main/java/org/apache/hadoop/hbase/regionserver/HRegionThriftServer.java * /hbase/trunk/src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java * /hbase/trunk/src/main/java/org/apache/hadoop/hbase/thrift/HbaseHandlerMetricsProxy.java * /hbase/trunk/src/main/java/org/apache/hadoop/hbase/thrift/TBoundedThreadPoolServer.java * /hbase/trunk/src/main/java/org/apache/hadoop/hbase/thrift/ThriftMetrics.java * /hbase/trunk/src/main/java/org/apache/hadoop/hbase/thrift/ThriftServerRunner.java * /hbase/trunk/src/test/java/org/apache/hadoop/hbase/thrift/TestCallQueue.java * /hbase/trunk/src/test/java/org/apache/hadoop/hbase/thrift/TestThriftServer.java

43. Integrated in HBase-TRUNK-security #96 (See [https://builds.apache.org/job/HBase-TRUNK-security/96/]) HBASE-5186 Add metrics to ThriftServer (Scott Chen) tedyu : Files : * /hbase/trunk/src/main/java/org/apache/hadoop/hbase/regionserver/HRegionThriftServer.java * /hbase/trunk/src/main/java/org/apache/hadoop/hbase/thrift/CallQueue.java * /hbase/trunk/src/main/java/org/apache/hadoop/hbase/thrift/HbaseHandlerMetricsProxy.java * /hbase/trunk/src/main/java/org/apache/hadoop/hbase/thrift/TBoundedThreadPoolServer.java * /hbase/trunk/src/main/java/org/apache/hadoop/hbase/thrift/ThriftMetrics.java * /hbase/trunk/src/main/java/org/apache/hadoop/hbase/thrift/ThriftServerRunner.java * /hbase/trunk/src/test/java/org/apache/hadoop/hbase/thrift/TestCallQueue.java * /hbase/trunk/src/test/java/org/apache/hadoop/hbase/thrift/TestThriftServer.java

44. Ted: Thanks for the review on this patch. That helped a lot.

45. dhruba has accepted the revision "HBASE-5186 [jira] Add metrics to ThriftServer". REVISION DETAIL https://reviews.facebook.net/D1461

46. sc has closed the revision "HBASE-5186 [jira] Add metrics to ThriftServer". REVISION DETAIL https://reviews.facebook.net/D1461 To: dhruba, tedyu, JIRA, heyongqiang, sc Cc: tedyu, sc, dhruba