

**git\_comments:**

1. \* \* Calculates the pending number of retries. \* <p> \* When failuresValidityInterval is > 0, it also removes time entries from \* <code>restartTimes</code> which are outside the validity interval. \* \* @return the pending retries.
2. \* \* Sets the clock. \* @param clock clock
3. \* \* <p>Sliding window retry policy for relaunching a \* <code>Container</code> in Yarn.</p>
4. \* \* Sliding window container retry context. \* <p> \* Besides {@link ContainerRetryContext}, it also provide details such as: \* <ul> \* <li> \* <em>remainingRetries</em>: specifies the number of pending retries. It is \* initially set to <code>containerRetryContext.maxRetries</code>. \* </li> \* <li> \* <em>restartTimes</em>: when \* <code>containerRetryContext.failuresValidityInterval</code> is set, \* then this records the times when the container is set to restart. \* </li> \* </ul>
5. \* \* Updates remaining retries and the restart time when \* required in the retryContext.
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7. \* \* Tests for {@link SlidingWindowRetryPolicy}.
8. \* 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.
9. parse the string format of List<Long>, e.g. [34, 21, 22]
10. \* \* Record restart times for a container. \* @param containerId \* @param restartTimes \* @throws IOException
11. store finishTimeForRetryAttempts

**git\_commits:**

1. **summary:** YARN-5015. Support sliding window retry capability for container restart. (Chandni Singh via wangda)  
**message:** YARN-5015. Support sliding window retry capability for container restart. (Chandni Singh via wangda) Change-Id: I07add3e4ba8d98456ee2ff1d5c540a38fe61dea

**github\_issues:****github\_issues\_comments:****github\_pulls:****github\_pulls\_comments:****github\_pulls\_reviews:****jira\_issues:**

1. **summary:** Support sliding window retry capability for container restart  
**description:** We support sliding window retry policy for AM restarts (Introduced in YARN-611). Similar sliding window retry policy is needed for container restarts. With this change, we can introduce a common class for SlidingWindowRetryPolicy ( suggested by [~vvasudev] in the comments) and integrate it to container restart. In a subsequent jira, we can modify the AM code to use SlidingWindowRetryPolicy which will unify the AM and container restart code.

**jira\_issues\_comments:**

1. Thanks [~vvasudev] for creating the issue. I'd like to work on it if you are not working on it. Thanks!
2. Attach a patch to add failure validity interval for container relaunch. If we unify AM restart and container restart, it seems we need modify proto for \*ApplicationSubmissionContextProto\*: move \*maxAppAttempts\* and \*attempt\_failures\_validity\_interval\* to \*ContainerRetryContextProto\* which is inside \*ContainerLaunchContextProto\*. And we need to specify AM container retry context. They will be incompatible change. Will it be a problem?
3. | (x) \*{color:red}-1 overall{color}\* | \ \ \ \ Vote \| Subsystem \| Runtime \| Comment \| | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 22s {color} | {color:blue} Docker mode activated. {color} | | {color:green}+1{color} | {color:green} @author {color} | {color:green} 0m 0s {color} | {color:green} The patch does not contain any @author tags. {color} | | {color:green}+1{color} | {color:green} test4tests {color} | {color:green} 0m 0s {color} | {color:green} The patch appears to include 3 new or modified test files. {color} | | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 32s {color} | {color:blue} Maven dependency ordering for branch {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 6m 57s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 50s {color} | {color:green} trunk passed with JDK v1.8.0\_91 {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 2m 5s {color} | {color:green} trunk passed with JDK v1.7.0\_95 {color} | | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 0m 44s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 1m 47s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} mvnecclipse {color} | {color:green} 0m 51s {color} | {color:green} trunk passed {color} | | {color:red}-1{color} | {color:red} findbugs {color} | {color:red}

1m 6s {color} | {color:red} hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common in trunk has 1 extant Findbugs warnings. {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 34s {color} | {color:green} trunk passed with JDK v1.8.0\_91 {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 4m 3s {color} | {color:green} trunk passed with JDK v1.7.0\_95 {color} | | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 11s {color} | {color:blue} Maven dependency ordering for patch {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 1m 29s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 42s {color} | {color:green} the patch passed with JDK v1.8.0\_91 {color} | | {color:green}+1{color} | {color:green} cc {color} | {color:green} 1m 42s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javac {color} | {color:green} 1m 42s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 2m 5s {color} | {color:green} the patch passed with JDK v1.7.0\_95 {color} | | {color:green}+1{color} | {color:green} cc {color} | {color:green} 2m 5s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javac {color} | {color:green} 2m 5s {color} | {color:green} the patch passed {color} | | {color:red}-1{color} | {color:red} checkstyle {color} | {color:red} 0m 41s {color} | {color:red} hadoop-yarn-project/hadoop-yarn: patch generated 2 new + 404 unchanged - 1 fixed = 406 total (was 405) {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 1m 38s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 44s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} whitespace {color} | {color:green} 0m 0s {color} | {color:green} Patch has no whitespace issues. {color} | | {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 1m 4s {color} | {color:red} hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager generated 1 new + 0 unchanged - 0 fixed = 1 total (was 0) {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 30s {color} | {color:green} the patch passed with JDK v1.8.0\_91 {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 3m 59s {color} | {color:green} the patch passed with JDK v1.7.0\_95 {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 20s {color} | {color:green} hadoop-yarn-api in the patch passed with JDK v1.8.0\_91. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 2m 3s {color} | {color:green} hadoop-yarn-common in the patch passed with JDK v1.8.0\_91. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 11m 1s {color} | {color:green} hadoop-yarn-server-nodemanager in the patch passed with JDK v1.8.0\_91. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 7m 15s {color} | {color:green} hadoop-yarn-applications-distributedshell in the patch passed with JDK v1.8.0\_91. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 22s {color} | {color:green} hadoop-yarn-api in the patch passed with JDK v1.7.0\_95. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 2m 20s {color} | {color:green} hadoop-yarn-common in the patch passed with JDK v1.7.0\_95. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 11m 38s {color} | {color:green} hadoop-yarn-server-nodemanager in the patch passed with JDK v1.7.0\_95. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 7m 30s {color} | {color:green} hadoop-yarn-applications-distributedshell in the patch passed with JDK v1.7.0\_95. {color} | | {color:green}+1{color} | {color:green} asflicense {color} | {color:green} 0m 22s {color} | {color:green} Patch does not generate ASF License warnings. {color} | | {color:black}{color} | {color:black} {color} | {color:black} 87m 7s {color} | {color:black} {color} | \ \ \ \ Reason \ Tests \ FindBugs | module:hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager | | Write to static field org.apache.hadoop.yarn.server.nodemanager.containermanager.container.ContainerImpl.clock from instance method org.apache.hadoop.yarn.server.nodemanager.containermanager.container.ContainerImpl.setClock(Clock) At ContainerImpl.java:from instance method org.apache.hadoop.yarn.server.nodemanager.containermanager.container.ContainerImpl.setClock(Clock) At ContainerImpl.java:[line 1439] | \ \ \ \ Subsystem \ Report/Notes \ Docker | Image:yetus/hadoop:cf2ee45 | JIRA Patch URL | https://issues.apache.org/jira/secure/attachment/12802918/YARN-5015.01.patch | JIRA Issue | YARN-5015 | Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit findbugs checkstyle cc | uname | Linux df3ae190c1fc 3.13.0-36-lowlatency #63-Ubuntu SMP PREEMPT Wed Sep 3 21:56:12 UTC 2014 x86\_64 x86\_64 x86\_64 GNU/Linux | Build tool | maven | Personality | /testptch/hadoop/patchprocess/precommit/personality/provided.sh | git revision | trunk / 411fb4b | Default Java | 1.7.0\_95 | Multi-JDK versions | /usr/lib/jvm/java-8-oracle:1.8.0\_91 /usr/lib/jvm/java-7-openjdk-amd64:1.7.0\_95 | findbugs | v3.0.0 | findbugs | https://builds.apache.org/job/PreCommit-YARN-Build/11379/artifact/patchprocess/branch-findbugs-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-common-warnings.html | | checkstyle | https://builds.apache.org/job/PreCommit-YARN-Build/11379/artifact/patchprocess/diff-checkstyle-hadoop-yarn-project\_hadoop-yarn.txt | | findbugs | https://builds.apache.org/job/PreCommit-YARN-Build/11379/artifact/patchprocess/new-findbugs-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-server\_hadoop-yarn-server-nodemanager.html | | JDK v1.7.0\_95 Test Results | https://builds.apache.org/job/PreCommit-YARN-Build/11379/testReport/ | C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager hadoop-yarn-project/hadoop-yarn/hadoop-yarn-applications/hadoop-yarn-applications-distributedshell U: hadoop-yarn-project/hadoop-yarn | Console output | https://builds.apache.org/job/PreCommit-YARN-Build/11379/console | | Powered by | Apache Yetus 0.2.0 http://yetus.apache.org | This message was automatically generated.

4. Thanks for the patch [-hex108]! I think you probably need to change your approach if we want to unify the AM and container restart policies. I think what's required is a common class - something like SlidingWindowContainerRetryPolicy or something like that which takes a SlidingWindowContainerRetryContext consisting of the restart timestamps, the validity interval, the exit codes, the exit codes to ignore, and the remaining retry attempts. The SlidingWindowContainerRetryPolicy can then look at the various parameters and tell you whether to retry the container or not. You can look at the RetryPolicies class in org.apache.hadoop.io.retry to get an idea of what I'm talking about. Once you have the common class, we can modify the AM code to use the common class(probably as a follow up JIRA). Does that make sense?

5. SUCCESS: Integrated in Hadoop-trunk-Commit #10074 (See [https://builds.apache.org/job/Hadoop-trunk-Commit/10074/]) YARN-5015. entire time series is returned for YARN container system (sjlee: rev c81a2e1d197b9995103797348cb5cc4bfc9a015b) \* hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-timelineservice/src/main/java/org/apache/hadoop/yarn/server/timelineservice/storage/reader/FlowRunEntityReader.java \* hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-timelineservice/src/main/java/org/apache/hadoop/yarn/server/timelineservice/reader/TimelineEntityFilters.java \* hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-timelineservice-hbase-tests/src/test/java/org/apache/hadoop/yarn/server/timelineservice/storage/flow/TestHBaseStorageFlowRun.java \* hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-timelineservice/src/test/java/org/apache/hadoop/yarn/server/timelineservice/storage/TestFileSystemTimelineReaderImpl.java \* hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-timelineservice-hbase-tests/src/test/java/org/apache/hadoop/yarn/server/timelineservice/reader/TestTimelineReaderWebServicesHBaseStorage.java \* hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-

timelineservice/src/main/java/org/apache/hadoop/yarn/server/timelineservice/storage/reader/TimelineEntityReader.java \* hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-timelineservice/src/main/java/org/apache/hadoop/yarn/server/timelineservice/storage/reader/GenericEntityReader.java \* hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-timelineservice/src/main/java/org/apache/hadoop/yarn/server/timelineservice/reader/TimelineReaderWebServicesUtils.java \* hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-timelineservice/src/main/java/org/apache/hadoop/yarn/server/timelineservice/reader/TimelineReaderWebServices.java \* hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-timelineservice/src/main/java/org/apache/hadoop/yarn/server/timelineservice/reader/TimelineDataToRetrieve.java \* hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-timelineservice-hbase-tests/src/test/java/org/apache/hadoop/yarn/server/timelineservice/storage/TestHBaseTimelineStorage.java

6. Just a clarification - this patch has not been committed. The Hudson message is due to an error in the commit message for YARN-5105.

7. Hmm, you're right. Sorry for the mixup.

8. Hi [~hex108] Are you still working on this? We have a use case for Yarn Service to support validity interval for container relaunch.

9. | (x) \*{color:red}-1 overall{color}\* | \ \ \ \ Vote | Subsystem | Runtime | Comment | | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 0s{color} | {color:blue} Docker mode activated. {color} | | {color:red}-1{color} | {color:red} patch {color} | {color:red} 0m 6s{color} | {color:red} YARN-5015 does not apply to trunk. Rebase required? Wrong Branch? See <https://wiki.apache.org/hadoop/HowToContribute> for help. {color} | \ \ \ \ Subsystem | Report/Notes | | JIRA Issue | YARN-5015 | | JIRA Patch URL | <https://issues.apache.org/jira/secure/attachment/12802918/YARN-5015.01.patch> | | Console output | <https://builds.apache.org/job/PreCommit-YARN-Build/19609/console> | | Powered by | Apache Yetus 0.8.0-SNAPSHOT <http://yetus.apache.org> | This message was automatically generated.

10. If there aren't any objections then I would like to work on this. Thanks, Chandni

11. Hi [~csingh], I am busy with other things, sorry for it, please feel free to assign to you.

12. [~jianhe] can you please review?

13. | (x) \*{color:red}-1 overall{color}\* | \ \ \ \ Vote | Subsystem | Runtime | Comment | | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 28s{color} | {color:blue} Docker mode activated. {color} | | \ \ \ \ {color:brown} Prechecks {color} | | {color:green}+1{color} | {color:green} @author {color} | {color:green} 0m 0s{color} | {color:green} The patch does not contain any @author tags. {color} | | {color:green}+1{color} | {color:green} test4tests {color} | {color:green} 0m 0s{color} | {color:green} The patch appears to include 4 new or modified test files. {color} | | \ \ \ \ {color:brown} trunk Compile Tests {color} | | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 11s{color} | {color:blue} Maven dependency ordering for branch {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 15m 24s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 7m 33s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 1m 1s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 3m 15s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} shadedclient {color} | {color:green} 13m 56s{color} | {color:green} branch has no errors when building and testing our client artifacts. {color} | | {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 1m 13s{color} | {color:red} hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api in trunk has 1 extant Findbugs warnings. {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 2m 7s{color} | {color:green} trunk passed {color} | | \ \ \ \ {color:brown} Patch Compile Tests {color} | | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 10s{color} | {color:blue} Maven dependency ordering for patch {color} | | {color:red}-1{color} | {color:red} mvninstall {color} | {color:red} 0m 15s{color} | {color:red} hadoop-yarn-applications-distributedshell in the patch failed. {color} | | {color:red}-1{color} | {color:red} compile {color} | {color:red} 2m 55s{color} | {color:red} hadoop-yarn in the patch failed. {color} | | {color:red}-1{color} | {color:red} cc {color} | {color:red} 2m 55s{color} | {color:red} hadoop-yarn in the patch failed. {color} | | {color:red}-1{color} | {color:red} javac {color} | {color:red} 2m 55s{color} | {color:red} hadoop-yarn in the patch failed. {color} | | {color:orange}-0{color} | {color:orange} checkstyle {color} | {color:orange} 1m 2s{color} | {color:orange} hadoop-yarn-project/hadoop-yarn: The patch generated 4 new + 440 unchanged - 0 fixed = 444 total (was 440) {color} | | {color:red}-1{color} | {color:red} mvnsite {color} | {color:red} 0m 16s{color} | {color:red} hadoop-yarn-applications-distributedshell in the patch failed. {color} | | {color:green}+1{color} | {color:green} whitespace {color} | | {color:green} 0m 0s{color} | {color:green} The patch has no whitespace issues. {color} | | {color:green}+1{color} | {color:green} shadedclient {color} | {color:green} 9m 46s{color} | {color:green} patch has no errors when building and testing our client artifacts. {color} | | {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 0m 54s{color} | {color:red} hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager generated 1 new + 0 unchanged - 0 fixed = 1 total (was 0) {color} | | {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 0m 14s{color} | {color:red} hadoop-yarn-applications-distributedshell in the patch failed. {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 39s{color} | {color:green} the patch passed {color} | | \ \ \ \ {color:brown} Other Tests {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 33s{color} | {color:green} hadoop-yarn-api in the patch passed. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 2m 57s{color} | {color:green} hadoop-yarn-common in the patch passed. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 2m 0s{color} | {color:green} hadoop-yarn-server-common in the patch passed. {color} | | {color:red}-1{color} | {color:red} unit {color} | {color:red} 19m 22s{color} | {color:red} hadoop-yarn-server-nodemanager in the patch failed. {color} | | {color:red}-1{color} | {color:red} unit {color} | {color:red} 0m 15s{color} | {color:red} hadoop-yarn-applications-distributedshell in the patch failed. {color} | | {color:green}+1{color} | {color:green} asflicense {color} | {color:green} 0m 17s{color} | {color:green} The patch does not generate ASF License warnings. {color} | | {color:black}{color} | {color:black} {color} | {color:black} 95m 45s{color} | {color:black} {color} | \ \ \ \ Reason | Tests | | FindBugs | module:hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager | | Write to static field org.apache.hadoop.yarn.server.nodemanager.containermanager.container.ContainerImpl.clock from instance method org.apache.hadoop.yarn.server.nodemanager.containermanager.container.ContainerImpl.setClock(Clock) At ContainerImpl.java:from instance method org.apache.hadoop.yarn.server.nodemanager.containermanager.container.ContainerImpl.setClock(Clock) At ContainerImpl.java:[line 2209] | | Failed junit tests | hadoop.yarn.server.nodemanager.containermanager.TestContainerManager | | hadoop.yarn.server.nodemanager.containermanager.container.TestContainer | \ \ \ \ Subsystem | Report/Notes | | Docker | Client=17.05.0-ce Server=17.05.0-ce Image=yetus/hadoop:5b98639 | | JIRA Issue | YARN-5015 | | JIRA Patch URL | <https://issues.apache.org/jira/secure/attachment/12910291/YARN-5015.02.patch> | | Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle cc | | uname | Linux ac4f3d993d26 4.4.0-64-generic #85-Ubuntu SMP Mon Feb 20 11:50:30 UTC 2017 x86\_64 x86\_64 x86\_64 GNU/Linux | | Build tool | maven | | Personality |

/testptch/patchprocess/precommit/personality/provided.sh || git revision | trunk / 5a1db60 || maven | version: Apache Maven 3.3.9 || Default Java | 1.8.0\_151 || findbugs | v3.1.0-RC1 || findbugs | https://builds.apache.org/job/PreCommit-YARN-Build/19665/artifact/out/branch-findbugs-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-api-warnings.html || mvninstall | https://builds.apache.org/job/PreCommit-YARN-Build/19665/artifact/out/patch-mvninstall-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-applications\_hadoop-yarn-applications-distributedshell.txt || compile | https://builds.apache.org/job/PreCommit-YARN-Build/19665/artifact/out/patch-compile-hadoop-yarn-project\_hadoop-yarn.txt || cc | https://builds.apache.org/job/PreCommit-YARN-Build/19665/artifact/out/patch-compile-hadoop-yarn-project\_hadoop-yarn.txt || javac | https://builds.apache.org/job/PreCommit-YARN-Build/19665/artifact/out/patch-compile-hadoop-yarn-project\_hadoop-yarn.txt || checkstyle | https://builds.apache.org/job/PreCommit-YARN-Build/19665/artifact/out/diff-checkstyle-hadoop-yarn-project\_hadoop-yarn.txt || mvnsite | https://builds.apache.org/job/PreCommit-YARN-Build/19665/artifact/out/patch-mvnsite-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-applications\_hadoop-yarn-applications-distributedshell.txt || findbugs | https://builds.apache.org/job/PreCommit-YARN-Build/19665/artifact/out/new-findbugs-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-server\_hadoop-yarn-server-nodemanager.html || findbugs | https://builds.apache.org/job/PreCommit-YARN-Build/19665/artifact/out/patch-findbugs-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-applications\_hadoop-yarn-applications-distributedshell.txt || unit | https://builds.apache.org/job/PreCommit-YARN-Build/19665/artifact/out/patch-unit-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-server\_hadoop-yarn-server-nodemanager.txt || unit | https://builds.apache.org/job/PreCommit-YARN-Build/19665/artifact/out/patch-unit-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-applications\_hadoop-yarn-applications-distributedshell.txt || Test Results | https://builds.apache.org/job/PreCommit-YARN-Build/19665/testReport/ || Max. process+thread count | 446 (vs. ulimit of 5500) || modules | C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-common hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager hadoop-yarn-project/hadoop-yarn/hadoop-yarn-applications/hadoop-yarn-applications-distributedshell U: hadoop-yarn-project/hadoop-yarn || Console output | https://builds.apache.org/job/PreCommit-YARN-Build/19665/console || Powered by | Apache Yetus 0.8.0-SNAPSHOT http://yetus.apache.org | This message was automatically generated.

14. Patch 3 fixes compilation of distributed shell and checkstyle. \* Tests pass on my machine \* Findbugs is reporting problems with code that I didn't modify.
15. (x) \*{color:red}-1 overall{color}\* || || || Vote || Subsystem || Runtime || Comment || {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 23s{color} | {color:blue} Docker mode activated. {color} || || || {color:brown} Prechecks {color} || {color:green}+1{color} | {color:green} @author {color} | {color:green} 0m 0s{color} | {color:green} The patch does not contain any @author tags. {color} || {color:green}+1{color} | {color:green} test4tests {color} | {color:green} 0m 0s{color} | {color:green} The patch appears to include 4 new or modified test files. {color} || || || {color:brown} trunk Compile Tests {color} || {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 10s{color} | {color:blue} Maven dependency ordering for branch {color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 15m 26s{color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 7m 59s{color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 1m 2s{color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 3m 2s{color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} shadedclient {color} | {color:green} 13m 51s{color} | {color:green} branch has no errors when building and testing our client artifacts. {color} || {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 1m 14s{color} | {color:red} hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api in trunk has 1 extant Findbugs warnings. {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 2m 39s{color} | {color:green} trunk passed {color} || || || {color:brown} Patch Compile Tests {color} || {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 10s{color} | {color:blue} Maven dependency ordering for patch {color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 2m 24s{color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 6m 36s{color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} cc {color} | {color:green} 6m 36s{color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} javac {color} | {color:green} 6m 36s{color} | {color:green} the patch passed {color} || {color:orange}-0{color} | {color:orange} checkstyle {color} | {color:orange} 1m 2s{color} | {color:orange} hadoop-yarn-project/hadoop-yarn: The patch generated 1 new + 440 unchanged - 0 fixed = 441 total (was 440) {color} || {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 3m 29s{color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} whitespace {color} | {color:green} 0m 0s{color} | {color:green} The patch has no whitespace issues. {color} || {color:green}+1{color} | {color:green} shadedclient {color} | {color:green} 10m 28s{color} | {color:green} patch has no errors when building and testing our client artifacts. {color} || {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 1m 3s{color} | {color:red} hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager generated 1 new + 0 unchanged - 0 fixed = 1 total (was 0) {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 2m 35s{color} | {color:green} the patch passed {color} || || || {color:brown} Other Tests {color} || {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 44s{color} | {color:green} hadoop-yarn-api in the patch passed. {color} || {color:green}+1{color} | {color:green} unit {color} | {color:green} 3m 14s{color} | {color:green} hadoop-yarn-common in the patch passed. {color} || {color:green}+1{color} | {color:green} unit {color} | {color:green} 2m 17s{color} | {color:green} hadoop-yarn-server-common in the patch passed. {color} || {color:red}-1{color} | {color:red} unit {color} | {color:red} 19m 35s{color} | {color:red} hadoop-yarn-server-nodemanager in the patch failed. {color} || {color:green}+1{color} | {color:green} unit {color} | {color:green} 12m 48s{color} | {color:green} hadoop-yarn-applications-distributedshell in the patch passed. {color} || {color:green}+1{color} | {color:green} asflicense {color} | {color:green} 0m 34s{color} | {color:green} The patch does not generate ASF License warnings. {color} || {color:black}{color} | {color:black}{color} | {color:black} 119m 9s{color} | {color:black}{color} || || Reason || Tests || FindBugs | module:hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager || Write to static field org.apache.hadoop.yarn.server.nodemanager.containermanager.container.ContainerImpl.clock from instance method org.apache.hadoop.yarn.server.nodemanager.containermanager.container.ContainerImpl.setClock(Clock) At ContainerImpl.java:from instance method org.apache.hadoop.yarn.server.nodemanager.containermanager.container.ContainerImpl.setClock(Clock) At ContainerImpl.java:[line 2209] || Failed junit tests | hadoop.yarn.server.nodemanager.containermanager.container.TestContainer || || Subsystem || Report/Notes || Docker | Client=17.05.0-ce Server=17.05.0-ce Image=yetus/hadoop:5b98639 || JIRA Issue | YARN-5015 | JIRA Patch URL | https://issues.apache.org/jira/secure/attachment/1291081/YARN-5015.03.patch || Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle cc || uname | Linux ceb03bff5c9f 4.4.0-64-generic #85-Ubuntu SMP Mon Feb 20 11:50:30 UTC 2017 x86\_64 x86\_64 GNU/Linux || Build tool | maven || Personality | /testptch/patchprocess/precommit/personality/provided.sh || git revision | trunk / 0b489e5 || maven | version: Apache Maven 3.3.9 || Default Java | 1.8.0\_151 || findbugs | v3.1.0-RC1 || findbugs | https://builds.apache.org/job/PreCommit-YARN-Build/19714/artifact/out/branch-findbugs-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-api-warnings.html || checkstyle | https://builds.apache.org/job/PreCommit-YARN-Build/19714/artifact/out/diff-checkstyle-hadoop-yarn-project\_hadoop-yarn.txt ||

findbugs | [https://builds.apache.org/job/PreCommit-YARN-Build/19714/artifact/out/new-findbugs-hadoop-yarn-project\\_hadoop-yarn\\_hadoop-yarn-server\\_hadoop-yarn-server-nodemanager.html](https://builds.apache.org/job/PreCommit-YARN-Build/19714/artifact/out/new-findbugs-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-server_hadoop-yarn-server-nodemanager.html) | | unit | [https://builds.apache.org/job/PreCommit-YARN-Build/19714/artifact/out/patch-unit-hadoop-yarn-project\\_hadoop-yarn\\_hadoop-yarn-server\\_hadoop-yarn-server-nodemanager.txt](https://builds.apache.org/job/PreCommit-YARN-Build/19714/artifact/out/patch-unit-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-server_hadoop-yarn-server-nodemanager.txt) | | Test Results | <https://builds.apache.org/job/PreCommit-YARN-Build/19714/testReport/> | | Max. process+thread count | 654 (vs. ulimit of 5500) | | modules | C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager hadoop-yarn-project/hadoop-yarn/hadoop-yarn-applications/hadoop-yarn-applications-distributedshell U: hadoop-yarn-project/hadoop-yarn | | Console output | <https://builds.apache.org/job/PreCommit-YARN-Build/19714/console> | | Powered by | Apache Yetus 0.8.0-SNAPSHOT <http://yetus.apache.org> | This message was automatically generated.

16. (x) \*{color:red}-1 overall{color}\* | \ \ \ \ Vote | Subsystem | Runtime | Comment | | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 19s{color} | {color:blue} Docker mode activated. {color} | | | | {color:brown} Prechecks {color} | | {color:green}+1{color} | {color:green} @author {color} | {color:green} 0m 0s{color} | {color:green} The patch does not contain any @author tags. {color} | | {color:green}+1{color} | {color:green} test4tests {color} | {color:green} 0m 0s{color} | {color:green} The patch appears to include 4 new or modified test files. {color} | | | | {color:brown} trunk Compile Tests {color} | | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 39s{color} | {color:blue} Maven dependency ordering for branch {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 17m 53s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 8m 1s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 1m 8s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 3m 24s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} shadedclient {color} | {color:green} 15m 8s{color} | {color:green} branch has no errors when building and testing our client artifacts. {color} | | {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 1m 26s{color} | {color:red} hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api in trunk has 1 extant Findbugs warnings. {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 2m 40s{color} | {color:green} trunk passed {color} | | | | {color:brown} Patch Compile Tests {color} | | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 11s{color} | {color:blue} Maven dependency ordering for patch {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 2m 28s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 6m 33s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} cc {color} | {color:green} 6m 33s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javac {color} | {color:green} 6m 33s{color} | {color:green} the patch passed {color} | | {color:orange}-0{color} | {color:orange} checkstyle {color} | {color:orange} 1m 4s{color} | {color:orange} hadoop-yarn-project/hadoop-yarn: The patch generated 1 new + 440 unchanged - 0 fixed = 441 total (was 440) {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 3m 3s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} whitespace {color} | {color:green} 0m 0s{color} | {color:green} The patch has no whitespace issues. {color} | | {color:green}+1{color} | {color:green} shadedclient {color} | {color:green} 11m 15s{color} | {color:green} patch has no errors when building and testing our client artifacts. {color} | | {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 1m 5s{color} | {color:red} hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager generated 1 new + 0 unchanged - 0 fixed = 1 total (was 0) {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 2m 33s{color} | {color:green} the patch passed {color} | | | | {color:brown} Other Tests {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 43s{color} | {color:green} hadoop-yarn-api in the patch passed. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 3m 7s{color} | {color:green} hadoop-yarn-common in the patch passed. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 2m 7s{color} | {color:green} hadoop-yarn-server-common in the patch passed. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 18m 26s{color} | {color:green} hadoop-yarn-server-nodemanager in the patch passed. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 12m 20s{color} | {color:green} hadoop-yarn-applications-distributedshell in the patch passed. {color} | | {color:green}+1{color} | {color:green} asflicense {color} | {color:green} 0m 35s{color} | {color:green} The patch does not generate ASF License warnings. {color} | | {color:black}{color} | {color:black}{color} | {color:black} 122m 40s{color} | {color:black}{color} | \ \ \ \ Reason | Tests | | FindBugs | module:hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager | | Write to static field org.apache.hadoop.yarn.server.nodemanager.containermanager.container.ContainerImpl.clock from instance method org.apache.hadoop.yarn.server.nodemanager.containermanager.container.ContainerImpl.setClock(Clock) At ContainerImpl.java:from instance method org.apache.hadoop.yarn.server.nodemanager.containermanager.container.ContainerImpl.setClock(Clock) At ContainerImpl.java:[line 2209] | \ \ \ \ Subsystem | Report/Notes | | Docker | Client=17.05.0-ce Server=17.05.0-ce Image=yetus/hadoop:5b98639 | | JIRA Issue | YARN-5015 | | JIRA Patch URL | <https://issues.apache.org/jira/secure/attachment/12910852/YARN-5015.03.patch> | | Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle cc | | uname | Linux 35bb61970556 3.13.0-139-generic #188-Ubuntu SMP Tue Jan 9 14:43:09 UTC 2018 x86\_64 x86\_64 GNU/Linux | | Build tool | maven | | Personality | /testptch/patchprocess/precommit/personality/provided.sh | | git revision | trunk / 8013475 | | maven | version: Apache Maven 3.3.9 | | Default Java | 1.8.0\_151 | | findbugs | v3.1.0-RC1 | | findbugs | [https://builds.apache.org/job/PreCommit-YARN-Build/19721/artifact/out/branch-findbugs-hadoop-yarn-project\\_hadoop-yarn\\_hadoop-yarn-api-warnings.html](https://builds.apache.org/job/PreCommit-YARN-Build/19721/artifact/out/branch-findbugs-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-api-warnings.html) | | checkstyle | [https://builds.apache.org/job/PreCommit-YARN-Build/19721/artifact/out/diff-checkstyle-hadoop-yarn-project\\_hadoop-yarn.txt](https://builds.apache.org/job/PreCommit-YARN-Build/19721/artifact/out/diff-checkstyle-hadoop-yarn-project_hadoop-yarn.txt) | | findbugs | [https://builds.apache.org/job/PreCommit-YARN-Build/19721/artifact/out/new-findbugs-hadoop-yarn-project\\_hadoop-yarn\\_hadoop-yarn-server\\_hadoop-yarn-server-nodemanager.html](https://builds.apache.org/job/PreCommit-YARN-Build/19721/artifact/out/new-findbugs-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-server_hadoop-yarn-server-nodemanager.html) | | Test Results | <https://builds.apache.org/job/PreCommit-YARN-Build/19721/testReport/> | | Max. process+thread count | 639 (vs. ulimit of 5500) | | modules | C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-common hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager hadoop-yarn-project/hadoop-yarn/hadoop-yarn-applications/hadoop-yarn-applications-distributedshell U: hadoop-yarn-project/hadoop-yarn | | Console output | <https://builds.apache.org/job/PreCommit-YARN-Build/19721/console> | | Powered by | Apache Yetus 0.8.0-SNAPSHOT <http://yetus.apache.org> | This message was automatically generated.
17. [~jianhe] [~billie.rinaldi] [~leftnoteasy] Can you please review the patch 3?
18. [~csingh], could you please elaborate approach and scope of this patch a bit? There're limited information from the description.
19. [~leftnoteasy] I have updated the description. I have followed [~vvasudev] suggestions {quote}I think you probably need to change your approach if we want to unify the AM and container restart policies. I think what's required is a common class - something like SlidingWindowContainerRetryPolicy or something like that which takes a SlidingWindowContainerRetryContext consisting of the restart timestamps, the validity interval, the exit codes, the exit codes to ignore, and the remaining retry attempts. The

SlidingWindowContainerRetryPolicy can then look at the various parameters and tell you whether to retry the container or not. {quote}

20. **body:** Thanks [~csingh], see my comments below: 1) Instead of adding getRestartTimes/getRemainingRetries to {{ContainerRetryContext}}, I suggest to have a separate class like NMContainerRetryContext which includes: - ContainerRetryContext - getRestartTimes/getRemainingRetries Since we should not add runtime information to protocol/api classes. 2) mv org.apache.hadoop.yarn.server.retry.SlidingWindowRetryPolicy to org.apache.hadoop.yarn.server.nodemanager.containermanager.container: Why it is in server-common? 3) {{shouldRetry}}: - It's better to return true at the beginning of the method when {{getMaxRetries() == ContainerRetryContext.RETRY\_FOREVER}}, which can avoid lots of checks in the following functions like calculatePendingRetries. 4) {{calculatePendingRetries}} {code} return retryContext.getRemainingRetries() == -1 ? retryContext.getMaxRetries() : retryContext.getRemainingRetries(); {code} Why check {{retryContext.getRemainingRetries() == -1}}? Should this be getMaxRetries() == -1? 5) {{updateRetryContext}}: {code} retryContext.setRemainingRetries(pendingRetries - 1); {code} 6) In ContainerImpl: {code} int n = container.containerRetryContext.getMaxRetries() - container.containerRetryContext.getRemainingRetries(); container.addDiagnostics("Diagnostic message from attempt " + n + " : ", "\n"); {code} Under the context of SlidingWindowRetry, this n may keep changing. To avoid introducing more logics, I suggest to remove {{n}} from the diagnostics.

**label:** code-design

21. [~leftnoteasy] Please find my answers below to some of the questions: {quote}2) mv org.apache.hadoop.yarn.server.retry.SlidingWindowRetryPolicy to org.apache.hadoop.yarn.server.nodemanager.containermanager.container: Why it is in server-common? {quote} It is in server common so that later we can use it for AM restart. Eventually we have to unify the code for AM and container restart, so this class needs to be accessible to RM as well. {quote}4) calculatePendingRetries return retryContext.getRemainingRetries() == -1 ? retryContext.getMaxRetries() : retryContext.getRemainingRetries(); Why check {{retryContext.getRemainingRetries() == -1}}? Should this be getMaxRetries() == -1? {quote} The default value of {{remainingRetries}} is -1, that is, when it is not set, it is -1. If remainingRetries is not set then pending retries = {{maxRetries}}. Otherwise, pendingRetries = {{remainingRetries}}. Just after this we update the {{remainingRetries}} = {{pendingRetries}} - 1. {quote}1) Instead of adding getRestartTimes/getRemainingRetries to {{ContainerRetryContext}}, I suggest to have a separate class like NMContainerRetryContext which includes: {quote} Similar to 2, should I create a {{SlidingContainerRetryContext}} in the server-common? Even this needs to be accessible to RM later when we change AM retry code to use this common class?
22. [~csingh], could you explain a bit about how this logic will be shared by RM and AM? Per my understanding, restart AM container should be handled by NM, correct? Did you mean AM needs to implement similar logic to restart its container? If so, why not directly leverage NM logics to handle container auto restart? bq. The default value of remainingRetries is -1, that is, when it is not set, it is -1. How about set initial remainingRetries directly to maxRetries? Which can avoid such check
23. **body:** @[~leftnoteasy] You are correct that this logic is only needed in the NM. I re-examined the changes in YARN-611 and realized it is not needed outside of NM. I will move it.

**label:** code-design

24. Patch 4 addresses [~leftnoteasy] review comments. Instead of creating a top level {{NMContainerRetryContext}} class, I have added a {{RetryContext}} class to {{SlidingWindowRetryPolicy}}
25. [~csingh], it looks like some classes are missing, plz double check the uploaded patch.
26. Patch 5 contains the missing files.
27. | (x) \*{color:red}-1 overall {color}\* | \ \ \ \ Vote \| Subsystem \| Runtime \| Comment \| | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 24s{color} | {color:blue} Docker mode activated. {color} | \| \| \| \| {color:brown} Prechecks {color} | \| | {color:green}+1{color} | {color:green} @author {color} | {color:green} 0m 0s{color} | {color:green} The patch does not contain any @author tags. {color} | \| | {color:green}+1{color} | {color:green} test4tests {color} | {color:green} 0m 0s{color} | {color:green} The patch appears to include 3 new or modified test files. {color} | \| \| \| \| {color:brown} trunk Compile Tests {color} | \| | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 55s{color} | {color:blue} Maven dependency ordering for branch {color} | \| | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 15m 55s{color} | {color:green} trunk passed {color} | \| | {color:green}+1{color} | {color:green} compile {color} | {color:green} 9m 5s{color} | {color:green} trunk passed {color} | \| | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 1m 19s{color} | {color:green} trunk passed {color} | \| | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 2m 36s{color} | {color:green} trunk passed {color} | \| | {color:green}+1{color} | {color:green} shadedclint {color} | {color:green} 12m 39s{color} | {color:green} branch has no errors when building and testing our client artifacts. {color} | \| | {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 1m 13s{color} | {color:red} hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api in trunk has 1 extant Findbugs warnings. {color} | \| | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 2m 12s{color} | {color:green} trunk passed {color} | \| \| \| \| | {color:brown} Patch Compile Tests {color} | \| | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 10s{color} | {color:blue} Maven dependency ordering for patch {color} | \| | {color:red}-1{color} | {color:red} mvninstall {color} | {color:red} 0m 19s{color} | {color:red} hadoop-yarn-server-nodemanager in the patch failed. {color} | \| | {color:red}-1{color} | {color:red} compile {color} | {color:red} 1m 4s{color} | {color:red} hadoop-yarn in the patch failed. {color} | \| | {color:red}-1{color} | {color:red} cc {color} | {color:red} 1m 4s{color} | {color:red} hadoop-yarn in the patch failed. {color} | \| | {color:red}-1{color} | {color:red} javac {color} | {color:red} 1m 4s{color} | {color:red} hadoop-yarn in the patch failed. {color} | \| | {color:orange}-0{color} | {color:orange} checkstyle {color} | {color:orange} 1m 10s{color} | {color:orange} hadoop-yarn-project/hadoop-yarn: The patch generated 1 new + 440 unchanged - 0 fixed = 441 total (was 440) {color} | \| | {color:red}-1{color} | {color:red} mvnsite {color} | {color:red} 0m 20s{color} | {color:red} hadoop-yarn-server-nodemanager in the patch failed. {color} | \| | {color:green}+1{color} | {color:green} whitespace {color} | {color:green} 0m 0s{color} | {color:green} The patch has no whitespace issues. {color} | \| | {color:red}-1{color} | {color:red} shadedclint {color} | {color:red} 3m 41s{color} | {color:red} patch has errors when building and testing our client artifacts. {color} | \| | {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 0m 20s{color} | {color:red} hadoop-yarn-server-nodemanager in the patch failed. {color} | \| | {color:red}-1{color} | {color:red} javadoc {color} | {color:red} 0m 18s{color} | {color:red} hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-server\_hadoop-yarn-server-nodemanager generated 2 new + 9 unchanged - 0 fixed = 11 total (was 9) {color} | \| \| \| \| | {color:brown} Other Tests {color} | \| | {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 32s{color} | {color:green} hadoop-yarn-api in the patch passed. {color} | \| | {color:green}+1{color} | {color:green} unit {color} | {color:green} 2m 59s{color} | {color:green} hadoop-yarn-common in the patch passed. {color} | \| | {color:red}-1{color} | {color:red} unit {color} | {color:red} 0m 19s{color} | {color:red} hadoop-yarn-server-nodemanager in the patch failed. {color} | \| | {color:green}+1{color} | {color:green} unit {color} | {color:green} 12m 19s{color} | {color:green} hadoop-yarn-applications-distributedshell in the patch passed. {color} | \| | {color:green}+1{color} | {color:green} asflicense {color} | {color:green} 0m 16s{color} | {color:green} The patch does not generate ASF License warnings. {color} | \| | {color:black}{color} | {color:black} {color} |

{color:black} 77m 36s{color} | {color:black} {color} | \ \ \ \ Subsystem || Report/Notes || Docker | Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:d4cc50f | | JIRA Issue | YARN-5015 | | JIRA Patch URL |  
https://issues.apache.org/jira/secure/attachment/12913676/YARN-5015.04.patch | | Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle cc | | uname | Linux 1d534b771c24 4.4.0-89-generic #112-Ubuntu SMP Mon Jul 31 19:38:41 UTC 2017 x86\_64 x86\_64 x86\_64 GNU/Linux | | Build tool | maven | | Personality |  
/testptch/patchprocess/precommit/personality/provided.sh | | git revision | trunk / 113f401 | | maven | version: Apache Maven 3.3.9 | | Default Java | 1.8.0\_151 | | findbugs | v3.1.0-RC1 | | findbugs | https://builds.apache.org/job/PreCommit-YARN-Build/19929/artifact/out/branch-findbugs-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-api-warnings.html | | mvninstall |  
https://builds.apache.org/job/PreCommit-YARN-Build/19929/artifact/out/patch-mvninstall-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-server\_hadoop-yarn-server-nodemanager.txt | | compile | https://builds.apache.org/job/PreCommit-YARN-Build/19929/artifact/out/patch-compile-hadoop-yarn-project\_hadoop-yarn.txt | | cc | https://builds.apache.org/job/PreCommit-YARN-Build/19929/artifact/out/patch-compile-hadoop-yarn-project\_hadoop-yarn.txt | | javac | https://builds.apache.org/job/PreCommit-YARN-Build/19929/artifact/out/patch-compile-hadoop-yarn-project\_hadoop-yarn.txt | | checkstyle |  
https://builds.apache.org/job/PreCommit-YARN-Build/19929/artifact/out/diff-checkstyle-hadoop-yarn-project\_hadoop-yarn.txt | | mvnsite | https://builds.apache.org/job/PreCommit-YARN-Build/19929/artifact/out/patch-mvnsite-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-server\_hadoop-yarn-server-nodemanager.txt | | findbugs | https://builds.apache.org/job/PreCommit-YARN-Build/19929/artifact/out/patch-findbugs-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-server\_hadoop-yarn-server-nodemanager.txt | | javadoc | https://builds.apache.org/job/PreCommit-YARN-Build/19929/artifact/out/diff-javadoc-javadoc-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-server\_hadoop-yarn-server-nodemanager.txt | | unit | https://builds.apache.org/job/PreCommit-YARN-Build/19929/artifact/out/patch-unit-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-server\_hadoop-yarn-server-nodemanager.txt | | Test Results | https://builds.apache.org/job/PreCommit-YARN-Build/19929/testReport/ | | Max. process+thread count | 656 (vs. ulimit of 10000) | | modules | C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager hadoop-yarn-project/hadoop-yarn/hadoop-yarn-applications/hadoop-yarn-applications-distributedshell U: hadoop-yarn-project/hadoop-yarn | | Console output |  
https://builds.apache.org/job/PreCommit-YARN-Build/19929/console | | Powered by | Apache Yetus 0.8.0-SNAPSHOT  
http://yetus.apache.org | This message was automatically generated.

28. Triggering cli for patch 5

29. | (x) \*{color:red}-1 overall{color}\* | \ \ \ \ Vote || Subsystem || Runtime || Comment || | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 25s{color} | {color:blue} Docker mode activated. {color} | | | | {color:brown} Prechecks {color} | | {color:green}+1{color} | {color:green} @author {color} | {color:green} 0m 0s{color} | {color:green} The patch does not contain any @author tags. {color} | | {color:green}+1{color} | {color:green} test4tests {color} | {color:green} 0m 0s{color} | {color:green} The patch appears to include 4 new or modified test files. {color} | | | | {color:brown} trunk Compile Tests {color} | | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 26s{color} | {color:blue} Maven dependency ordering for branch {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 15m 13s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 7m 36s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 1m 18s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 2m 29s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} shadedclient {color} | {color:green} 13m 13s{color} | {color:green} branch has no errors when building and testing our client artifacts. {color} | | {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 1m 8s{color} | {color:red} hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api in trunk has 1 extant Findbugs warnings. {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 42s{color} | {color:green} trunk passed {color} | | | | {color:brown} Patch Compile Tests {color} | | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 10s{color} | {color:blue} Maven dependency ordering for patch {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 1m 48s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 6m 53s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} cc {color} | {color:green} 6m 53s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javac {color} | {color:green} 6m 53s{color} | {color:green} the patch passed {color} | | {color:orange}-0{color} | {color:orange} checkstyle {color} | {color:orange} 1m 35s{color} | {color:orange} hadoop-yarn-project/hadoop-yarn: The patch generated 1 new + 440 unchanged - 0 fixed = 441 total (was 440) {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 2m 11s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} whitespace {color} | {color:green} 0m 0s{color} | {color:green} The patch has no whitespace issues. {color} | | {color:green}+1{color} | {color:green} shadedclient {color} | {color:green} 9m 12s{color} | {color:green} patch has no errors when building and testing our client artifacts. {color} | | {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 0m 56s{color} | {color:red} hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager generated 1 new + 0 unchanged - 0 fixed = 1 total (was 0) {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 37s{color} | {color:green} the patch passed {color} | | | | {color:brown} Other Tests {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 41s{color} | {color:green} hadoop-yarn-api in the patch passed. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 3m 6s{color} | {color:green} hadoop-yarn-common in the patch passed. {color} | | {color:red}-1{color} | {color:red} unit {color} | {color:red} 19m 50s{color} | {color:red} hadoop-yarn-server-nodemanager in the patch failed. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 12m 27s{color} | {color:green} hadoop-yarn-applications-distributedshell in the patch passed. {color} | | {color:green}+1{color} | {color:green} asflicense {color} | {color:green} 0m 29s{color} | {color:green} The patch does not generate ASF License warnings. {color} | | {color:black}{color} | {color:black} {color} | {color:black} 108m 1s{color} | {color:black} {color} | \ \ \ \ Reason || Tests || FindBugs | module:hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager | | Write to static field

org.apache.hadoop.yarn.server.nodemanager.containermanager.container.ContainerImpl.clock from instance method  
org.apache.hadoop.yarn.server.nodemanager.containermanager.container.ContainerImpl.setClock(Clock) At ContainerImpl.java:from instance method  
org.apache.hadoop.yarn.server.nodemanager.containermanager.container.ContainerImpl.setClock(Clock) At ContainerImpl.java:[line 2216] | | Failed junit tests |  
hadoop.yarn.server.nodemanager.containermanager.scheduler.TestContainerSchedulerQueuing | \ \ \ \ Subsystem || Report/Notes || Docker | Client=17.05.0-ce Server=17.05.0-ce Image:yetus/hadoop:d4cc50f | | JIRA Issue | YARN-5015 | | JIRA Patch URL |  
https://issues.apache.org/jira/secure/attachment/12913682/YARN-5015.05.patch | | Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle cc | | uname | Linux b1fe9f84c792 4.4.0-89-generic #112-Ubuntu SMP Mon Jul 31 19:38:41 UTC 2017 x86\_64 x86\_64 x86\_64 GNU/Linux | | Build tool | maven | | Personality |  
/testptch/patchprocess/precommit/personality/provided.sh | | git revision | trunk / 113f401 | | maven | version: Apache Maven 3.3.9 | |

Default Java | 1.8.0\_151 | | findbugs | v3.1.0-RC1 | | findbugs | [https://builds.apache.org/job/PreCommit-YARN-Build/19930/artifact/out/branch-findbugs-hadoop-yarn-project\\_hadoop-yarn\\_hadoop-yarn-api-warnings.html](https://builds.apache.org/job/PreCommit-YARN-Build/19930/artifact/out/branch-findbugs-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-api-warnings.html) | | checkstyle | [https://builds.apache.org/job/PreCommit-YARN-Build/19930/artifact/out/diff-checkstyle-hadoop-yarn-project\\_hadoop-yarn.txt](https://builds.apache.org/job/PreCommit-YARN-Build/19930/artifact/out/diff-checkstyle-hadoop-yarn-project_hadoop-yarn.txt) | | findbugs | [https://builds.apache.org/job/PreCommit-YARN-Build/19930/artifact/out/new-findbugs-hadoop-yarn-project\\_hadoop-yarn\\_hadoop-yarn-server\\_hadoop-yarn-server-nodemanager.html](https://builds.apache.org/job/PreCommit-YARN-Build/19930/artifact/out/new-findbugs-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-server_hadoop-yarn-server-nodemanager.html) | | unit | [https://builds.apache.org/job/PreCommit-YARN-Build/19930/artifact/out/patch-unit-hadoop-yarn-project\\_hadoop-yarn\\_hadoop-yarn-server\\_hadoop-yarn-server-nodemanager.txt](https://builds.apache.org/job/PreCommit-YARN-Build/19930/artifact/out/patch-unit-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-server_hadoop-yarn-server-nodemanager.txt) | | Test Results | <https://builds.apache.org/job/PreCommit-YARN-Build/19930/testReport/> | | Max. process+thread count | 655 (vs. ulimit of 10000) | | modules | C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager hadoop-yarn-project/hadoop-yarn/hadoop-yarn-applications/hadoop-yarn-applications-distributedshell U: hadoop-yarn-project/hadoop-yarn | | Console output | <https://builds.apache.org/job/PreCommit-YARN-Build/19930/console> | | Powered by | Apache Yetus 0.8.0-SNAPSHOT <http://yetus.apache.org> | This message was automatically generated.

30. **body:** {{TestContainerSchedulerQueueing.testStartMultipleContainers}} passes on my machine. findbugs warnings is from the code which I haven't modified.

**label:** code-design

31. [~csingh], It seems the findbugs warning is related to your change: {code} 2214 @VisibleForTesting 2215 void setClock(Clock targetClock) { 2216 clock = targetClock; 2217 retryPolicy.setClock(clock); 2218 } {code}
32. [~leftnoteasy] ok. I saw this {quote}org.apache.hadoop.yarn.api.records.Resource.getResources() may expose internal representation by returning Resource.resources {quote} I need that for testing. {{clock}} is a static member of {{ContainerImpl}}. Didn't want to change that.
33. Addressed the findbug warning
34. | (x) \*{color:red}-1 overall{color}\* | \\\ \| Vote \| Subsystem \| Runtime \| Comment \| | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 25s{color} | {color:blue} Docker mode activated. {color} | \\\ \| | {color:brown} Prechecks {color} | | {color:green}+1{color} | {color:green} @author {color} | {color:green} 0m 0s{color} | {color:green} The patch does not contain any @author tags. {color} | | {color:green}+1{color} | {color:green} test4tests {color} | {color:green} 0m 0s{color} | {color:green} The patch appears to include 4 new or modified test files. {color} | \\\ \| | {color:brown} trunk Compile Tests {color} | | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 52s{color} | {color:blue} Maven dependency ordering for branch {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 15m 40s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 8m 11s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 1m 24s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 2m 41s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} shadedclient {color} | {color:green} 13m 27s{color} | {color:green} branch has no errors when building and testing our client artifacts. {color} | | {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 1m 12s{color} | {color:red} hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api in trunk has 1 extant Findbugs warnings. {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 59s{color} | {color:green} trunk passed {color} | \\\ \| | {color:brown} Patch Compile Tests {color} | | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 10s{color} | {color:blue} Maven dependency ordering for patch {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 1m 54s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 6m 44s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} cc {color} | {color:green} 6m 44s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javac {color} | {color:green} 6m 44s{color} | {color:green} the patch passed {color} | | {color:orange}-0{color} | {color:orange} checkstyle {color} | {color:orange} 1m 11s{color} | {color:orange} hadoop-yarn-project/hadoop-yarn: The patch generated 2 new + 440 unchanged - 0 fixed = 442 total (was 440) {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 2m 12s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} whitespace {color} | {color:green} 0m 0s{color} | {color:green} The patch has no whitespace issues. {color} | | {color:green}+1{color} | {color:green} shadedclient {color} | {color:green} 9m 48s{color} | {color:green} patch has no errors when building and testing our client artifacts. {color} | | {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 4m 14s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 47s{color} | {color:green} the patch passed {color} | \\\ \| | {color:brown} Other Tests {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 41s{color} | {color:green} hadoop-yarn-api in the patch passed. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} unit {color} | {color:green} 3m 9s{color} | {color:green} hadoop-yarn-common in the patch passed. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 19m 27s{color} | {color:green} hadoop-yarn-server-nodemanager in the patch passed. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 12m 43s{color} | {color:green} hadoop-yarn-applications-distributedshell in the patch passed. {color} | | {color:green}+1{color} | {color:green} asflicense {color} | {color:green} 0m 25s{color} | {color:green} The patch does not generate ASF License warnings. {color} | | {color:black}{color} | {color:black} {color} | {color:black} 110m 59s{color} | {color:black} {color} | \\\ \| Subsystem \| Report/Notes \| | Docker | Client=17.05.0-ce Server=17.05.0-ce Image=yetus/hadoop:d4cc50f | | JIRA Issue | YARN-5015 | | JIRA Patch URL | <https://issues.apache.org/jira/secure/attachment/12913866/YARN-5015.06.patch> | | Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle cc | | uname | Linux 4c8d54284457 4.4.0-89-generic #112-Ubuntu SMP Mon Jul 31 19:38:41 UTC 2017 x86\_64 x86\_64 GNU/Linux | | Build tool | maven | | Personality | /testptch/patchprocess/precommit/personality/provided.sh | | git revision | trunk / 8133cd5 | | maven | version: Apache Maven 3.3.9 | | Default Java | 1.8.0\_151 | | findbugs | v3.1.0-RC1 | | findbugs | [https://builds.apache.org/job/PreCommit-YARN-Build/19945/artifact/out/branch-findbugs-hadoop-yarn-project\\_hadoop-yarn\\_hadoop-yarn-api-warnings.html](https://builds.apache.org/job/PreCommit-YARN-Build/19945/artifact/out/branch-findbugs-hadoop-yarn-project_hadoop-yarn_hadoop-yarn-api-warnings.html) | | checkstyle | [https://builds.apache.org/job/PreCommit-YARN-Build/19945/artifact/out/diff-checkstyle-hadoop-yarn-project\\_hadoop-yarn.txt](https://builds.apache.org/job/PreCommit-YARN-Build/19945/artifact/out/diff-checkstyle-hadoop-yarn-project_hadoop-yarn.txt) | | Test Results | <https://builds.apache.org/job/PreCommit-YARN-Build/19945/testReport/> | | Max. process+thread count | 655 (vs. ulimit of 10000) | | modules | C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager hadoop-yarn-project/hadoop-yarn/hadoop-yarn-applications/hadoop-yarn-applications-distributedshell U: hadoop-yarn-project/hadoop-yarn | | Console output | <https://builds.apache.org/job/PreCommit-YARN-Build/19945/console> | | Powered by | Apache Yetus 0.8.0-SNAPSHOT <http://yetus.apache.org> | This message was automatically generated.
35. **body:** Patch 7 fixes checkstyle.  
**label:** code-design
36. | (x) \*{color:red}-1 overall{color}\* | \\\ \| Vote \| Subsystem \| Runtime \| Comment \| | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 25s{color} | {color:blue} Docker mode activated. {color} | \\\ \| | {color:brown} Prechecks {color} | | {color:green}+1{color} | {color:green} @author {color} | {color:green} 0m 0s{color} | {color:green} The patch does not contain any



@author tags. {color} || {color:green}+1{color} | {color:green} test4tests {color} | {color:green} 0m 0s{color} | {color:green} The patch appears to include 4 new or modified test files. {color} || || || || {color:brown} trunk Compile Tests {color} || | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 12s{color} | {color:blue} Maven dependency ordering for branch {color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 15m 28s{color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 7m 35s{color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 1m 10s{color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 2m 15s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} shadedclient {color} | {color:green} 12m 15s{color} | {color:green} branch has no errors when building and testing our client artifacts. {color} || {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 1m 8s{color} | {color:red} hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api in trunk has 1 extant Findbugs warnings. {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 55s{color} | {color:green} trunk passed {color} || || || || {color:brown} Patch Compile Tests {color} || | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 11s{color} | {color:blue} Maven dependency ordering for patch {color} || {color:red}-1{color} | {color:red} mvninstall {color} | {color:red} 0m 21s{color} | {color:red} hadoop-yarn-server-nodemanager in the patch failed. {color} || | {color:red}-1{color} | {color:red} compile {color} | {color:red} 1m 28s{color} | {color:red} hadoop-yarn in the patch failed. {color} || | {color:red}-1{color} | {color:red} cc {color} | {color:red} 1m 28s{color} | {color:red} hadoop-yarn in the patch failed. {color} || | {color:red}-1{color} | {color:red} javac {color} | {color:red} 1m 28s{color} | {color:red} hadoop-yarn in the patch failed. {color} || | {color:orange}-0{color} | {color:orange} checkstyle {color} | {color:orange} 1m 9s{color} | {color:orange} hadoop-yarn-project/hadoop-yarn: The patch generated 2 new + 440 unchanged - 0 fixed = 442 total (was 440) {color} || {color:red}-1{color} | {color:red} mvnsite {color} | {color:red} 0m 24s{color} | {color:red} hadoop-yarn-server-nodemanager in the patch failed. {color} || | {color:green}+1{color} | {color:green} whitespace {color} | {color:green} 0m 0s{color} | {color:green} The patch has no whitespace issues. {color} || | {color:red}-1{color} | {color:red} shadedclient {color} | {color:red} 3m 10s{color} | {color:red} patch has errors when building and testing our client artifacts. {color} || {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 0m 15s{color} | {color:red} hadoop-yarn-server-nodemanager in the patch failed. {color} || | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 26s{color} | {color:green} the patch passed {color} || || || || {color:brown} Other Tests {color} || | {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 34s{color} | {color:green} hadoop-yarn-api in the patch passed. {color} || | {color:green}+1{color} | {color:green} unit {color} | {color:green} 3m 2s{color} | {color:green} hadoop-yarn-common in the patch passed. {color} || | {color:red}-1{color} | {color:red} unit {color} | {color:red} 0m 41s{color} | {color:red} hadoop-yarn-server-nodemanager in the patch failed. {color} || {color:green}+1{color} | {color:green} unit {color} | {color:green} 12m 39s{color} | {color:green} hadoop-yarn-applications-distributedshell in the patch passed. {color} || | {color:green}+1{color} | {color:green} asflicense {color} | {color:green} 0m 23s{color} | {color:green} The patch does not generate ASF License warnings. {color} || | {color:black}{color} | {color:black} {color} | {color:black} 74m 47s{color} | {color:black} || || || || Subsystem || Report/Notes || Docker | Client=17.05.0-ce Server=17.05.0-ce Image=yetus/hadoop:d4cc50f | | JIRA Issue | YARN-5015 | | JIRA Patch URL | https://issues.apache.org/jira/secure/attachment/12913879/YARN-5015.07.patch | | Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle cc | | uname | Linux 9732b62b605c 4.4.0-89-generic #112-Ubuntu SMP Mon Jul 31 19:38:41 UTC 2017 x86\_64 x86\_64 GNU/Linux | | Build tool | maven | | Personality | /testptch/patchprocess/precommit/personality/provided.sh | | git revision | trunk / ea18e70 | | maven | version: Apache Maven 3.3.9 | | Default Java | 1.8.0\_151 | | findbugs | v3.1.0-RC1 | | findbugs | https://builds.apache.org/job/PreCommit-YARN-Build/19946/artifact/out/branch-findbugs-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-api-warnings.html | | mvninstall | https://builds.apache.org/job/PreCommit-YARN-Build/19946/artifact/out/patch-mvninstall-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-server\_hadoop-yarn-server-nodemanager.txt | | compile | https://builds.apache.org/job/PreCommit-YARN-Build/19946/artifact/out/patch-compile-hadoop-yarn-project\_hadoop-yarn.txt | | cc | https://builds.apache.org/job/PreCommit-YARN-Build/19946/artifact/out/patch-compile-hadoop-yarn-project\_hadoop-yarn.txt | | javac | https://builds.apache.org/job/PreCommit-YARN-Build/19946/artifact/out/patch-compile-hadoop-yarn-project\_hadoop-yarn.txt | | checkstyle | https://builds.apache.org/job/PreCommit-YARN-Build/19946/artifact/out/diff-checkstyle-hadoop-yarn-project\_hadoop-yarn.txt | | mvnsite | https://builds.apache.org/job/PreCommit-YARN-Build/19946/artifact/out/patch-mvnsite-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-server\_hadoop-yarn-server-nodemanager.txt | | findbugs | https://builds.apache.org/job/PreCommit-YARN-Build/19946/artifact/out/patch-findbugs-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-server\_hadoop-yarn-server-nodemanager.txt | | unit | https://builds.apache.org/job/PreCommit-YARN-Build/19946/artifact/out/patch-unit-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-server\_hadoop-yarn-server-nodemanager.txt | | Test Results | https://builds.apache.org/job/PreCommit-YARN-Build/19946/testReport/ | | Max. process+thread count | 656 (vs. ulimit of 10000) | | modules | C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager hadoop-yarn-project/hadoop-yarn/hadoop-yarn-applications/hadoop-yarn-applications-distributedshell U: hadoop-yarn-project/hadoop-yarn | | Console output | https://builds.apache.org/job/PreCommit-YARN-Build/19946/console | | Powered by | Apache Yetus 0.8.0-SNAPSHOT http://yetus.apache.org | This message was automatically generated.

37. Patch 8 is the latest patch that includes all the fixes

38. | (x) \*{color:red}-1 overall{color}\* | || || || Vote || Subsystem || Runtime || Comment || | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 32s{color} | {color:blue} Docker mode activated. {color} || || || || {color:brown} Prechecks {color} || | {color:green}+1{color} | {color:green} @author {color} | {color:green} 0m 0s{color} | {color:green} The patch does not contain any @author tags. {color} || | {color:green}+1{color} | {color:green} test4tests {color} | {color:green} 0m 0s{color} | {color:green} The patch appears to include 4 new or modified test files. {color} || || || || {color:brown} trunk Compile Tests {color} || | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 17s{color} | {color:blue} Maven dependency ordering for branch {color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 15m 45s{color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 8m 42s{color} | {color:green} trunk passed {color} || | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 1m 14s{color} | {color:green} trunk passed {color} || | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 2m 26s{color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} shadedclient {color} | {color:green} 12m 48s{color} | {color:green} branch has no errors when building and testing our client artifacts. {color} || | {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 1m 13s{color} | {color:red} hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api in trunk has 1 extant Findbugs warnings. {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 2m 8s{color} | {color:green} trunk passed {color} || || || || {color:brown} Patch Compile Tests {color} || | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 12s{color} | {color:blue} Maven dependency ordering for patch {color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 1m 58s{color} | {color:green} the patch passed {color} || | {color:green}+1{color} | {color:green} compile {color} |

{color:green} 6m 29s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} cc {color} |  
{color:green} 6m 29s{color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javac {color} |  
{color:green} 6m 29s{color} | {color:green} the patch passed {color} | | {color:orange}-0{color} | {color:orange} checkstyle {color} |  
{color:orange} 1m 15s{color} | {color:orange} hadoop-yarn-project/hadoop-yarn: The patch generated 1 new + 440 unchanged - 0  
fixed = 441 total (was 440) {color} | | {color:green}+1{color} | {color:green} mvnsize {color} | {color:green} 2m 28s{color} |  
{color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} whitespace {color} | {color:green} 0m 0s{color} |  
{color:green} The patch has no whitespace issues. {color} | | {color:green}+1{color} | {color:green} shadedclient {color} |  
{color:green} 10m 11s{color} | {color:green} patch has no errors when building and testing our client artifacts. {color} | |  
{color:green}+1{color} | {color:green} findbugs {color} | {color:green} 4m 24s{color} | {color:green} the patch passed {color} | |  
{color:green}+1{color} | {color:green} javadoc {color} | {color:green} 2m 2s{color} | {color:green} the patch passed {color} | | | | |  
{color:brown} Other Tests {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 0m 44s{color} |  
{color:green} hadoop-yarn-api in the patch passed. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 3m  
18s{color} | {color:green} hadoop-yarn-common in the patch passed. {color} | | {color:green}+1{color} | {color:green} unit {color} |  
{color:green} 19m 33s{color} | {color:green} hadoop-yarn-server-nodemanager in the patch passed. {color} | | {color:green}+1{color} |  
| {color:green} unit {color} | {color:green} 12m 28s{color} | {color:green} hadoop-yarn-applications-distributedshell in the patch  
passed. {color} | | {color:green}+1{color} | {color:green} asflicense {color} | {color:green} 0m 31s{color} | {color:green} The patch  
does not generate ASF License warnings. {color} | | {color:black}{color} | {color:black} {color} | {color:black} 111m 54s{color} |  
{color:black} {color} | \ \ \ \| Subsystem \| Report/Notes \| | Docker | Client=17.05.0-ce Server=17.05.0-ce Image=yetus/hadoop:d4cc50f |  
| JIRA Issue | YARN-5015 | | JIRA Patch URL | https://issues.apache.org/jira/secure/attachment/12913904/YARN-5015.08.patch | |  
Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit shadedclient findbugs checkstyle cc | | uname | Linux  
9ca75c95b10e 4.4.0-64-generic #85-Ubuntu SMP Mon Feb 20 11:50:30 UTC 2017 x86\_64 x86\_64 x86\_64 GNU/Linux | | Build tool |  
maven | | Personality | /testptch/patchprocess/precommit/personality/provided.sh | | git revision | trunk / e1f5251 | | maven | version:  
Apache Maven 3.3.9 | | Default Java | 1.8.0\_151 | | findbugs | v3.1.0-RC1 | | findbugs | https://builds.apache.org/job/PreCommit-YARN-  
Build/19950/artifact/out/branch-findbugs-hadoop-yarn-project\_hadoop-yarn\_hadoop-yarn-api-warnings.html | | checkstyle |  
https://builds.apache.org/job/PreCommit-YARN-Build/19950/artifact/out/diff-checkstyle-hadoop-yarn-project\_hadoop-yarn.txt | | Test  
Results | https://builds.apache.org/job/PreCommit-YARN-Build/19950/testReport/ | | Max. process+thread count | 656 (vs. ulimit of  
10000) | | modules | C: hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common  
hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager hadoop-yarn-project/hadoop-yarn/hadoop-  
yarn-applications/hadoop-yarn-applications-distributedshell U: hadoop-yarn-project/hadoop-yarn | | Console output |  
https://builds.apache.org/job/PreCommit-YARN-Build/19950/console | | Powered by | Apache Yetus 0.8.0-SNAPSHOT  
http://yetus.apache.org | This message was automatically generated.

39. +1, thanks [~csingh], I will commit the patch by tomorrow if no objections.

40. Committed to trunk, thanks [~csingh]/[~hex108] for contribution and thanks [~vvasudev] for reviews.

41. SUCCESS: Integrated in Jenkins build Hadoop-trunk-Commit #13833 (See [https://builds.apache.org/job/Hadoop-trunk-Commit/13833/]) YARN-5015. Support sliding window retry capability for container (wangda: rev a5b27b3c678ad2f5cb8dbfa1b60ef5cd365f8bde) \* (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager/src/main/java/org/apache/hadoop/yarn/server/nodemanager/recovery/NMStateStoreService.java \* (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-applications/hadoop-yarn-applications-distributedshell/src/main/java/org/apache/hadoop/yarn/applications/distributedshell/Client.java \* (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager/src/test/java/org/apache/hadoop/yarn/server/nodemanager/containermanager/container/TestContainer.java \* (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager/src/main/java/org/apache/hadoop/yarn/server/nodemanager/recovery/NMNullStateStoreService.java \* (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager/src/main/java/org/apache/hadoop/yarn/server/nodemanager/containermanager/container/ContainerImpl.java \* (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager/src/main/java/org/apache/hadoop/yarn/server/nodemanager/recovery/NMLevelDbStateStoreService.java \* (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api/src/main/proto/yarn\_protos.proto \* (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager/src/test/java/org/apache/hadoop/yarn/server/nodemanager/recovery/NMMemoryStateStoreService.java \* (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager/src/test/java/org/apache/hadoop/yarn/server/nodemanager/recovery/TestNMLevelDbStateStoreService.java \* (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-applications/hadoop-yarn-applications-distributedshell/src/main/java/org/apache/hadoop/yarn/applications/distributedshell/ApplicationMaster.java \* (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-common/src/main/java/org/apache/hadoop/yarn/api/records/impl/pb/ContainerRetryContextPBImpl.java \* (edit) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-api/src/main/java/org/apache/hadoop/yarn/api/records/ContainerRetryContext.java \* (add) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager/src/main/java/org/apache/hadoop/yarn/server/nodemanager/containermanager/container/SlidingWindowRetryPolicy.java \* (add) hadoop-yarn-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-nodemanager/src/test/java/org/apache/hadoop/yarn/server/nodemanager/containermanager/container/TestSlidingWindowRetryPolicy.java