

Item 128

git_comments:

1. Verify no exception get thrown when finding an unknown counter
2. * * Test reducer.
3. Create mapreduce cluster
4. * * Mock resource reporting.
5. Verify physical numbers
6. * * Test mapper.
7. Setup input and output paths
8. Run job (1 mapper, 2 reducers)
9. Verify virtual numbers
10. make sure we have double here to test max
11. Make sure customer counters are not affected by the _MAX code in FrameworkCountersGroup
12. * * Test customer counter.
13. * * End to end test of maximum counters. * @throws IOException test failed * @throws ClassNotFoundException test failed * @throws InterruptedException test failed

git_commits:

1. **summary:** MAPREDUCE-6829. Add peak memory usage counter for each task. (Miklos Szegedi via kasha)
message: MAPREDUCE-6829. Add peak memory usage counter for each task. (Miklos Szegedi via kasha)

github_issues:

github_issues_comments:

github_pulls:

github_pulls_comments:

github_pulls_reviews:

jira_issues:

1. **summary:** Add peak memory usage counter for each task
description: Each task has counters PHYSICAL_MEMORY_BYTES and VIRTUAL_MEMORY_BYTES, which are snapshots of memory usage of that task. They are not sufficient for users to understand peak memory usage by that task, e.g. in order to diagnose task failures, tune job parameters or change application design. This new feature will add two more counters for each task: PHYSICAL_MEMORY_BYTES_MAX and VIRTUAL_MEMORY_BYTES_MAX. This JIRA has the same feature from MAPREDUCE-4710. I file this new YARN JIRA since MAPREDUCE-4710 is pretty old one from MR 1.x era, it more or less assumes a branch-1 architecture, should be close at this point.

jira_issues_comments:

1. [~yufeigu] - is this work for every container? Have you looked at the ContainerMetrics class - it should have this information for physical memory at least.
2. [~vvasudev], thanks for pointing out. But I cannot find these metrics on JHS or RM WebUI when a job is running or after it's done. Seems like it is used only internally.
3. Attaching a patch that adds two memory peak counters.
4. | (/) *{color:green}+1 overall{color}* | \\\ \| Vote \| Subsystem \| Runtime \| Comment \| |
{color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 16s {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 1 new or modified test files. {color} || {color:green}+1{color} | {color:green} mvninstall {color}

| {color:green} 14m 30s {color} | {color:green} trunk passed {color} || {color:green}+1{color} |
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{color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 0m 19s {color} | {color:green}
trunk passed {color} || {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 0m 28s
{color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} mvneclipse
{color} | {color:green} 0m 14s {color} | {color:green} trunk passed {color} || {color:green}+1{color} |
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{color:green} the patch passed {color} || {color:green}+1{color} | {color:green} whitespace {color} |
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{color:green} The patch does not generate ASF License warnings. {color} || {color:black}{color} |
{color:black} {color} | {color:black} 24m 9s {color} | {color:black} {color} | \\\| Subsystem ||
Report/Notes || Docker | Image:yetus/hadoop:a9ad5d6 || JIRA Patch URL |
<https://issues.apache.org/jira/secure/attachment/12845889/MAPREDUCE-6829.000.patch> || JIRA Issue |
MAPREDUCE-6829 || Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit
findbugs checkstyle || uname | Linux ca4cbe8e8c8a 3.13.0-106-generic #153-Ubuntu SMP Tue Dec 6
15:44:32 UTC 2016 x86_64 x86_64 x86_64 GNU/Linux || Build tool | maven || Personality |
/testptch/hadoop/patchprocess/precommit/personality/provided.sh || git revision | trunk / 02766b6 ||
Default Java | 1.8.0_111 || findbugs | v3.0.0 || Test Results | <https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/6861/testReport/> || modules | C: hadoop-mapreduce-project/hadoop-mapreduce-
client/hadoop-mapreduce-client-core U: hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-
mapreduce-client-core || Console output | <https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/6861/console> || Powered by | Apache Yetus 0.3.0 <http://yetus.apache.org> | This message was
automatically generated.

5. **body:** Patch looks pretty good. Few comments: # I see we are operating based on the _MAX suffix. What happens to user counters that end in _MAX? Is there a way to skip them? # We don't need to handle MIN. My recommendation would be to avoid adding it until it is needed. I am okay with keeping them in if you insist, but would like to see a test. # Can we also add a test that uses MiniMRCluster so we have an end-to-end test as well.

label: test

6. Thank you, [~kasha] for the review. 1. There are two aggregation options. MAX and SUM. If the counter name ends with _MAX we choose the maximum of all container values, we sum them up otherwise. 2. I removed MIN in the next patch 3. I added the end-to-end test in the next patch.

7. Updating patch based on comments

8. (x) *{color:red}-1 overall{color}* || \\\| Vote || Subsystem || Runtime || Comment || |
{color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 14s {color} | {color:blue} Docker
mode activated. {color} || {color:green}+1{color} | {color:green} @author {color} | {color:green} 0m 0s
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{color:green} test4tests {color} | {color:green} 0m 0s {color} | {color:green} The patch appears to
include 2 new or modified test files. {color} || {color:blue}0{color} | {color:blue} mvndep {color} |
{color:blue} 0m 54s {color} | {color:blue} Maven dependency ordering for branch {color} ||
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trunk passed {color} || {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 32s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 1m 27s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 0m 35s {color} | {color:green} trunk passed {color} || {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 8s {color} | {color:blue} Maven dependency ordering for patch {color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 0m 52s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 2m 1s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} javac {color} | {color:green} 2m 1s {color} | {color:green} the patch passed {color} || {color:red}-1{color} | {color:red} checkstyle {color} | {color:red} 0m 32s {color} | {color:red} hadoop-mapreduce-project/hadoop-mapreduce-client: The patch generated 8 new + 287 unchanged - 0 fixed = 295 total (was 287) {color} || {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 0m 58s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 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} findbugs {color} | {color:green} 1m 39s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 0m 27s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} unit {color} | {color:green} 2m 42s {color} | {color:green} hadoop-mapreduce-client-core in the patch passed. {color} || {color:green}+1{color} | {color:green} unit {color} | {color:green} 97m 53s {color} | {color:green} hadoop-mapreduce-client-jobclient 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} 130m 40s {color} | {color:black} {color} | \\\| Subsystem || Report/Notes || Docker | Image:yetus/hadoop:a9ad5d6 || JIRA Patch URL | <https://issues.apache.org/jira/secure/attachment/12847978/MAPREDUCE-6829.001.patch> || JIRA Issue | MAPREDUCE-6829 || Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit findbugs checkstyle || uname | Linux 4ed13e6c6f76 3.13.0-103-generic #150-Ubuntu SMP Thu Nov 24 10:34:17 UTC 2016 x86_64 x86_64 x86_64 GNU/Linux || Build tool | maven || Personality | /testptch/hadoop/patchprocess/precommit/personality/provided.sh || git revision | trunk / e224c96 || Default Java | 1.8.0_111 || findbugs | v3.0.0 || checkstyle | https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/6869/artifact/patchprocess/diff-checkstyle-hadoop-mapreduce-project_hadoop-mapreduce-client.txt || Test Results | <https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/6869/testReport/> || modules | C: hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-core hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-jobclient U: hadoop-mapreduce-project/hadoop-mapreduce-client || Console output | <https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/6869/console> || Powered by | Apache Yetus 0.3.0 <http://yetus.apache.org> | This message was automatically generated.

9. **body:** Fixing checkstyle.

label: code-design

10. (/) *{color:green}+1 overall{color}* | \\\| Vote || Subsystem || Runtime || Comment || | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 15s {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 2 new or modified test files. {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} 14m 42s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 41s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 0m 31s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 0m 56s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 30s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 1m 16s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 0m 35s {color} | {color:green} trunk passed {color} || {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 7s {color} | {color:blue} Maven dependency ordering for patch {color} || {color:green}+1{color} | {color:green} mvninstall {color} |

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{color:green} hadoop-mapreduce-client-jobclient in the patch passed. {color} | | {color:green}+1{color} |
{color:green} asflicense {color} | {color:green} 0m 32s {color} | {color:green} The patch does not
generate ASF License warnings. {color} | | {color:black}{color} | {color:black} {color} | {color:black}
146m 55s {color} | {color:black} {color} | \ \ \ | Subsystem | Report/Notes | | Docker |
Image:yetus/hadoop:a9ad5d6 | | JIRA Patch URL |
<https://issues.apache.org/jira/secure/attachment/12848100/MAPREDUCE-6829.002.patch> | | JIRA Issue |
MAPREDUCE-6829 | | Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit
findbugs checkstyle | | uname | Linux 11a9cbcc7f3a 3.13.0-106-generic #153-Ubuntu SMP Tue Dec 6
15:44:32 UTC 2016 x86_64 x86_64 x86_64 GNU/Linux | | Build tool | maven | | Personality |
/testptch/hadoop/patchprocess/precommit/personality/provided.sh | | git revision | trunk / 9130af3 | |
Default Java | 1.8.0_111 | | findbugs | v3.0.0 | | Test Results | <https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/6870/testReport/> | | modules | C: hadoop-mapreduce-project/hadoop-mapreduce-
client/hadoop-mapreduce-client-core hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-
mapreduce-client-jobclient U: hadoop-mapreduce-project/hadoop-mapreduce-client | | Console output |
<https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/6870/console> | | Powered by | Apache
Yetus 0.3.0 <http://yetus.apache.org> | This message was automatically generated.

11. Unit test change to make sure customer counters are not affected by the change.

12. (x) *{color:red}-1 overall{color}* | \ \ \ | Vote | Subsystem | Runtime | Comment | |
{color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 16s {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 2 new or modified test files. {color} | | {color:blue}0{color} | {color:blue} mvndep {color} |
{color:blue} 0m 54s {color} | {color:blue} Maven dependency ordering for branch {color} | |
{color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 13m 38s {color} |
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trunk passed {color} | | {color:green}+1{color} | {color:green} mvnecclipse {color} | {color:green} 0m
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{color:green} javadoc {color} | {color:green} 0m 35s {color} | {color:green} trunk passed {color} | |
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{color:green} compile {color} | {color:green} 1m 31s {color} | {color:green} the patch passed {color} | |
{color:green}+1{color} | {color:green} javac {color} | {color:green} 1m 31s {color} | {color:green} the
patch passed {color} | | {color:red}-1{color} | {color:red} checkstyle {color} | {color:red} 0m 29s
{color} | {color:red} hadoop-mapreduce-project/hadoop-mapreduce-client: The patch generated 1 new +
287 unchanged - 0 fixed = 288 total (was 287) {color} | | {color:green}+1{color} | {color:green} mvnsite
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{color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} whitespace {color} |
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{color:green}+1{color} | {color:green} findbugs {color} | {color:green} 1m 34s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 0m 29s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 2m 51s {color} | {color:green} hadoop-mapreduce-client-core in the patch passed. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 104m 51s {color} | {color:green} hadoop-mapreduce-client-jobclient 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} 135m 55s {color} | {color:black} {color} | \\\| Subsystem \| Report/Notes \| | Docker | Image:yetus/hadoop:a9ad5d6 | | JIRA Patch URL | <https://issues.apache.org/jira/secure/attachment/12849196/MAPREDUCE-6829.003.patch> | | JIRA Issue | MAPREDUCE-6829 | | Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit findbugs checkstyle | | uname | Linux 18e1f12c53f6 3.13.0-95-generic #142-Ubuntu SMP Fri Aug 12 17:00:09 UTC 2016 x86_64 x86_64 x86_64 GNU/Linux | | Build tool | maven | | Personality | /testptch/hadoop/patchprocess/precommit/personality/provided.sh | | git revision | trunk / 8528d85 | | Default Java | 1.8.0_121 | | findbugs | v3.0.0 | | checkstyle | https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/6877/artifact/patchprocess/diff-checkstyle-hadoop-mapreduce-project_hadoop-mapreduce-client.txt | | Test Results | <https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/6877/testReport/> | | modules | C: hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-core hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-jobclient U: hadoop-mapreduce-project/hadoop-mapreduce-client | | Console output | <https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/6877/console> | | Powered by | Apache Yetus 0.3.0 <http://yetus.apache.org> | This message was automatically generated.

13. **body:** Fixing checkstyle

label: code-design

14. | (/) *{color:green}+1 overall{color}* | \\\| Vote \| Subsystem \| Runtime \| Comment \| | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 17s {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 2 new or modified test files. {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} 14m 40s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 2m 2s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 0m 32s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 1m 3s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 31s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 1m 29s {color} | {color:green} trunk passed {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 0m 38s {color} | {color:green} trunk passed {color} | | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 8s {color} | {color:blue} Maven dependency ordering for patch {color} | | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 0m 55s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} compile {color} | {color:green} 2m 0s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javac {color} | {color:green} 2m 0s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 0m 32s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 0m 49s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 25s {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} findbugs {color} | {color:green} 1m 25s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 0m 32s {color} | {color:green} the patch passed {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 2m 58s {color} | {color:green} hadoop-mapreduce-client-core in the patch passed. {color} | | {color:green}+1{color} | {color:green} unit {color} | {color:green} 110m 49s {color} | {color:green} hadoop-mapreduce-client-jobclient in the patch passed. {color} | | {color:green}+1{color} | {color:green} asflicense {color} | {color:green} 0m 28s {color} | {color:green} The patch does not

generate ASF License warnings. {color} || {color:black}{color} | {color:black} {color} | {color:black} 143m 11s {color} | {color:black} {color} | \\ \\ || Subsystem || Report/Notes || | Docker | Image:yetus/hadoop:a9ad5d6 || JIRA Patch URL | <https://issues.apache.org/jira/secure/attachment/12849327/MAPREDUCE-6829.004.patch> || JIRA Issue | MAPREDUCE-6829 || Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit findbugs checkstyle || uname | Linux 5af5a55a3852 3.13.0-106-generic #153-Ubuntu SMP Tue Dec 6 15:44:32 UTC 2016 x86_64 x86_64 x86_64 GNU/Linux || Build tool | maven || Personality | /testptch/hadoop/patchprocess/precommit/personality/provided.sh || git revision | trunk / 5a56520 || Default Java | 1.8.0_121 || findbugs | v3.0.0 || Test Results | <https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/6878/testReport/> || modules | C: hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-core hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-jobclient U: hadoop-mapreduce-project/hadoop-mapreduce-client || Console output | <https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/6878/console> || Powered by | Apache Yetus 0.3.0 <http://yetus.apache.org> | This message was automatically generated.

15. **body:** The patch looks good, but for the following nits: # Can we import Mapper and Reducer so the definition of classes TokenizerMapper and IntSumReducer can fit in two lines, may be split the line after extends? # TokenizerMapper#map method indentation looks funny. How about the following: {code} public void map(Object key, Text value, Context context) throws IOException, InterruptedException { {code} # IntSumReducer#reduce method indentation looks funny. How about the following: {code} public void reduce(Text key, Iterable<IntWritable> values, Context context) throws IOException, InterruptedException { {code} # The InternalClass seems unnecessary. If the intent is just to be able to identify the caller jar, why not just use this.getClass()?

label: code-design

16. Thank you for the review [~kasha]. I updated the patch based on your suggestions.

17. | (x) *{color:red}-1 overall{color}* | \\ \\ || Vote || Subsystem || Runtime || Comment || | {color:blue}0{color} | {color:blue} reexec {color} | {color:blue} 0m 18s {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 2 new or modified test files. {color} || {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 8s {color} | {color:blue} Maven dependency ordering for branch {color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 12m 37s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 35s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 0m 30s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 0m 51s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 29s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} findbugs {color} | {color:green} 1m 10s {color} | {color:green} trunk passed {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 0m 34s {color} | {color:green} trunk passed {color} || {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 7s {color} | {color:blue} Maven dependency ordering for patch {color} || {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 0m 43s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 33s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} javac {color} | {color:green} 1m 33s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 0m 27s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} mvnsite {color} | {color:green} 0m 46s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} mvneclipse {color} | {color:green} 0m 24s {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} findbugs {color} | {color:green} 1m 21s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 0m 29s {color} | {color:green} the patch passed {color} || {color:green}+1{color} | {color:green} unit {color} | {color:green} 2m 46s {color} | {color:green} hadoop-mapreduce-client-core in the patch passed. {color} || {color:red}-1{color} | {color:red} unit {color} | {color:red} 126m 46s {color} | {color:red} hadoop-mapreduce-client-jobclient in the patch failed. {color} || {color:green}+1{color} | {color:green} asflicense {color} | {color:green} 0m 24s {color} | {color:green} The patch does not generate ASF License warnings. {color} || {color:black}{color} | {color:black} {color} | {color:black} 154m 46s

{color} | {color:black} {color} | \ \ \ Reason | Tests | | Timed out junit tests |
org.apache.hadoop.mapreduce.lib.jobcontrol.TestMapReduceJobControl | \ \ \ | Subsystem |
Report/Notes | | Docker | Image:yetus/hadoop:a9ad5d6 | | JIRA Patch URL |
<https://issues.apache.org/jira/secure/attachment/12849359/MAPREDUCE-6829.005.patch> | | JIRA Issue |
MAPREDUCE-6829 | | Optional Tests | asflicense compile javac javadoc mvninstall mvnsite unit
findbugs checkstyle | | uname | Linux 2c68b9684c85 3.13.0-106-generic #153-Ubuntu SMP Tue Dec 6
15:44:32 UTC 2016 x86_64 x86_64 x86_64 GNU/Linux | | Build tool | maven | | Personality |
/testptch/hadoop/patchprocess/precommit/personality/provided.sh | | git revision | trunk / abedb8a | |
Default Java | 1.8.0_121 | | findbugs | v3.0.0 | | unit | https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/6880/artifact/patchprocess/patch-unit-hadoop-mapreduce-project_hadoop-mapreduce-client_hadoop-mapreduce-client-jobclient.txt | | unit test logs |
https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/6880/artifact/patchprocess/patch-unit-hadoop-mapreduce-project_hadoop-mapreduce-client_hadoop-mapreduce-client-jobclient.txt | | Test
Results | <https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/6880/testReport/> | | modules | C:
hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-core hadoop-mapreduce-
project/hadoop-mapreduce-client/hadoop-mapreduce-client-jobclient U: hadoop-mapreduce-
project/hadoop-mapreduce-client | | Console output | <https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/6880/console> | | Powered by | Apache Yetus 0.3.0 <http://yetus.apache.org> | This
message was automatically generated.

18. I think org.apache.hadoop.mapreduce.lib.jobcontrol.TestMapReduceJobControl timeout is not related to the change.
19. +1. Checking this in..
20. Thanks for adding this improvement, [~miklos.szegedi@cloudera.com]. Just committed this to trunk and branch-2.
21. SUCCESS: Integrated in Jenkins build Hadoop-trunk-Commit #11179 (See [<https://builds.apache.org/job/Hadoop-trunk-Commit/11179/>]) MAPREDUCE-6829. Add peak memory usage counter for each task. (Miklos (kasha: rev c65f884fc7e08118524f8c88737119d8196b4c1b) * (edit) hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-core/src/main/resources/org/apache/hadoop/mapreduce/TaskCounter.properties * (edit) hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-core/src/main/java/org/apache/hadoop/mapreduce/TaskCounter.java * (edit) hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-core/src/main/java/org/apache/hadoop/mapreduce/counters/FrameworkCounterGroup.java * (edit) hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-jobclient/src/test/java/org/apache/hadoop/mapred/TestJobCounters.java * (edit) hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-core/src/main/java/org/apache/hadoop/mapred/Task.java * (edit) hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-core/src/test/java/org/apache/hadoop/mapred/TestCounters.java
22. Thank you, [~kasha]!
23. With YARN-3045, is it still necessary? Container level metrics like this seems to be quite useful for other frameworks other than MR and it is something YARN can provide if it hasn't been done.
24. Thank you for the comment, [~mingma]. This jira primarily targeted branch-2. I agree that ATS should be the primary source of this information in versions 3 and above. Just as a side note, it was important to separate map and reduce numbers. Is this possible with YARN-3045?
25. [~miklos.szegedi@cloudera.com] if each MR task can somehow record the reference to its container id, then end users can get the data via taskId -> containerId -> containerUsage. Sure such approach is only useful when we expect more container metrics at the yarn layer will be added thus frameworks like MR can get the new metrics automatically.
26. I reverted this from branch-2 due to the backward incompatibility that can manifest during rolling upgrades while a job is running. See the discussion in MAPREDUCE-6922.