

Hadoop Map/Reduce MAPREDUCE-3765

FifoScheduler does not respect yarn.scheduler.fifo.minimumallocation-mb setting

Details

Type: Dug

Priority: Signature Minor

Affects Version/s: 0.23.0, 2.0.0-alpha

Component/s: mrv2
Labels: None
Target Version/s: 0.23.1
Hadoop Flags: Reviewed

Status: CLOSED

Resolution: Fixed

Fix Version/s:

0.23.1

Description

FifoScheduler uses default min 1 GB regardless of the configuration value set for minimum memory allocation.

Attachments

■ MR-3765.1.patch	5 kB	31/Jan/12 00:27
■ MR-3765.2.patch	6 kB	31/Jan/12 18:33
■ MR-3765.3.patch	6 kB	03/Feb/12 01:53

Activity

Hitesh Shah added a comment - 31/Jan/12 00:27

Addressing issue seen when looking into MR-3709

- Q Hadoop QA added a comment 31/Jan/12 01:42
 - -1 overall. Here are the results of testing the latest attachment http://issues.apache.org/jira/secure/attachment/12512506/MR-3765.1.patch against trunk revision .
 - +1 @author. The patch does not contain any @author tags.
 - +1 tests included. The patch appears to include 3 new or modified tests.
 - +1 javadoc. The javadoc tool did not generate any warning messages.
 - +1 javac. The applied patch does not increase the total number of javac compiler warnings.
 - +1 eclipse:eclipse. The patch built with eclipse:eclipse.
 - -1 findbugs. The patch appears to introduce 1 new Findbugs (version 1.3.9) warnings.
 - +1 release audit. The applied patch does not increase the total number of release audit warnings.
 - +1 core tests. The patch passed unit tests in .
 - +1 contrib tests. The patch passed contrib unit tests.

Test results: https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/1717//testReport/

Findbugs warnings: https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/1717//artifact/trunk/hadoop-mapreduce-project/patchprocess/newPatchFindbugsWarningshadoop-yarn-server-resourcemanager.html

Console output: https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/1717//console

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- Hadoop QA added a comment 31/Jan/12 19:56
 - +1 overall. Here are the results of testing the latest attachment http://issues.apache.org/jira/secure/attachment/12512610/MR-3765.2.patch against trunk revision .
 - +1 @author. The patch does not contain any @author tags.
 - +1 tests included. The patch appears to include 3 new or modified tests.
 - +1 javadoc. The javadoc tool did not generate any warning messages.
 - +1 javac. The applied patch does not increase the total number of javac compiler warnings.
 - +1 eclipse:eclipse. The patch built with eclipse:eclipse.
 - +1 findbugs. The patch does not introduce any new Findbugs (version 1.3.9) warnings.
 - +1 release audit. The applied patch does not increase the total number of release audit warnings.
 - +1 core tests. The patch passed unit tests in .
 - +1 contrib tests. The patch passed contrib unit tests.

Test results: https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/1726//testReport/Console output: https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/1726//console

This message is automatically generated.

▼ ○ Hitesh Shah added a comment - 02/Feb/12 07:52

Cancelling patch to re-work the way minAlloc and maxAlloc can be changed at run-time

▼ ○ Hitesh Shah added a comment - 03/Feb/12 01:53

Added a findbugs exclude warning for minimumAllocation error.

The minimumAllocation is initialized only once in reinitialize() and never changed on subsequent calls once initialized.

- ▼ Hadoop QA added a comment 03/Feb/12 03:17
 - -1 overall. Here are the results of testing the latest attachment $\label{latest} $$ $$ http://issues.apache.org/jira/secure/attachment/12513093/MR-3765.3.patch against trunk revision .$
 - +1 @author. The patch does not contain any @author tags.
 - +1 tests included. The patch appears to include 3 new or modified tests.
 - -1 javadoc. The javadoc tool appears to have generated 3 warning messages.
 - +1 javac. The applied patch does not increase the total number of javac compiler warnings.
 - +1 eclipse:eclipse. The patch built with eclipse:eclipse.
 - +1 findbugs. The patch does not introduce any new Findbugs (version 1.3.9) warnings.
 - +1 release audit. The applied patch does not increase the total number of release audit warnings.
 - +1 core tests. The patch passed unit tests in .
 - +1 contrib tests. The patch passed contrib unit tests.

Test results: https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/1762//testReport/Console output: https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/1762//console

This message is automatically generated.

Hitesh Shah added a comment - 03/Feb/12 03:28

Seems like these are cropping every now and then.

Mahadev Konar added a comment - 04/Feb/12 20:15

@Hitesh,

Is the findbugs exclude necessary with the latest patch?

▼ ○ Hitesh Shah added a comment - 04/Feb/12 20:23

Yes - the patch is more or less same as the first one which threw a findbugs warning. The warning can be ignored as the variable is initialized only once and never changed by the scheduler.

Mahadev Konar added a comment - 04/Feb/12 22:51

I just committed this. Thanks Hitesh!

Under Hudson added a comment - 04/Feb/12 22:55

Integrated in Hadoop-Hdfs-trunk-Commit #1736 (See https://builds.apache.org/job/Hadoop-Hdfs-trunk-Commit/1736/)

MAPREDUCE 3765. FifoScheduler does not respect yarn.scheduler.fifo.minimum-allocation-mb setting (Hitesh Shah via mahadev)

mahadev: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1240634 Files:

- /hadoop/common/trunk/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/dev-support/findbugs-exclude.xml
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server/resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/fifo/FifoScheduler.java
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server/resourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/TestFifoScheduler.java
- Use Hudson added a comment 04/Feb/12 22:56

Integrated in Hadoop-Common-trunk-Commit #1664 (See https://builds.apache.org/job/Hadoop-Common-trunk-Commit/1664/)

MAPREDUCE-3765. FifoScheduler does not respect yarn.scheduler.fifo.minimum-allocation-mb setting (Hitesh Shah via mahadev)

mahadev: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1240634 Files:

- /hadoop/common/trunk/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/dev-support/findbugs-exclude.xml
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server/resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/fifo/FifoScheduler.java
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/TestFifoScheduler.java
- Hudson added a comment 04/Feb/12 23:04

Integrated in Hadoop-Hdfs-0.23-Commit #482 (See https://builds.apache.org/job/Hadoop-Hdfs-0.23-Commit/482/)

MAPREDUCE-3765. FifoScheduler does not respect yarn.scheduler.fifo.minimum-allocation-mb setting (Hitesh Shah via mahadev)
Merging r1240634 from trunk.

mahadev: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1240635 Files:

- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-yarn/dev-support/findbugs-exclude.xml
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/fifo/FifoScheduler.java
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server/resourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/TestFifoScheduler.java

Hudson added a comment - 04/Feb/12 23:06

Integrated in Hadoop-Common-0.23-Commit #492 (See https://builds.apache.org/job/Hadoop-Common-0.23-Commit/492/)

MAPREDUCE-3765. FifoScheduler does not respect yarn.scheduler.fifo.minimum-allocation-mb setting (Hitesh Shah via mahadev)
Merging r1240634 from trunk.

mahadev: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1240635 Files:

- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-yarn/dev-support/findbugs-exclude.xml
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server/resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/fifo/FifoScheduler.java
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/TestFifoScheduler.java
- Hudson added a comment 04/Feb/12 23:36

Integrated in Hadoop-Mapreduce-trunk-Commit #1679 (See https://builds.apache.org/job/Hadoop-Mapreduce-trunk-Commit/1679/)

MAPREDUCE 3765. FifoScheduler does not respect yarn.scheduler.fifo.minimum-allocation-mb setting (Hitesh Shah via mahadev)

mahadev: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1240634 Files:

- /hadoop/common/trunk/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/dev-support/findbugs-exclude.xml
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/fifo/FifoScheduler.java
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/TestFifoScheduler.java
- Hudson added a comment 04/Feb/12 23:46

Integrated in Hadoop-Mapreduce-0.23-Commit #503 (See https://builds.apache.org/job/Hadoop-Mapreduce-0.23-Commit/503/)

MAPREDUCE-3765. FifoScheduler does not respect yarn.scheduler.fifo.minimum-allocation-mb setting (Hitesh Shah via mahadev)
Merging r1240634 from trunk.

mahadev: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1240635 Files:

- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-yarn/dev-support/findbugs-exclude.xml
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server/resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/fifo/FifoScheduler.java
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/TestFifoScheduler.java
- O Hudson added a comment 05/Feb/12 12:42

Integrated in Hadoop-Hdfs-trunk #947 (See https://builds.apache.org/job/Hadoop-Hdfs-trunk/947/)

MAPREDUCE-3765. FifoScheduler does not respect yarn.scheduler.fifo.minimum-allocation-mb setting (Hitesh Shah via mahadev)

mahadev: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1240634 Files:

- /hadoop/common/trunk/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/dev-support/findbugs-exclude.xml
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/fifo/FifoScheduler.java
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/TestFifoScheduler.java
- Under Hudson added a comment 05/Feb/12 12:46

MAPREDUCE 3765. FifoScheduler does not respect yarn.scheduler.fifo.minimum-allocation-mb setting (Hitesh Shah via mahadev) - Merging r1240634 from trunk.

 $mahadev: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN\&view=rev\&rev=1240635\\ Files:$

- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-yarn/dev-support/findbugs-exclude.xml
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server/resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/fifo/FifoScheduler.java
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server/resourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/TestFifoScheduler.java
- Hudson added a comment 05/Feb/12 13:19

Integrated in Hadoop-Mapreduce-0.23-Build #182 (See https://builds.apache.org/job/Hadoop-Mapreduce-0.23-Build/182/)

MAPREDUCE-3765. FifoScheduler does not respect yarn.scheduler.fifo.minimum-allocation-mb setting (Hitesh Shah via mahadev)
Merging r1240634 from trunk.

mahadev : http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1240635 Files :

- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-yarn/dev-support/findbugs-exclude.xml
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/fifo/FifoScheduler.java
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server/resourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/TestFifoScheduler.java
- Under Hudson added a comment 05/Feb/12 14:11

Integrated in Hadoop-Mapreduce-trunk #980 (See https://builds.apache.org/job/Hadoop-Mapreduce-trunk/980/)

MAPREDUCE 3765. FifoScheduler does not respect yarn.scheduler.fifo.minimum-allocation-mb setting (Hitesh Shah via mahadev)

mahadev: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1240634 Files:

- /hadoop/common/trunk/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/dev-support/findbugs-exclude.xml
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-serverresourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/scheduler/fifo/FifoScheduler.java
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/TestFifoScheduler.java

People

Assignee: Hitesh Shah
Reporter: Hitesh Shah

Votes: 0 Vote for this issue

Watchers: 0 Start watching this issue

Dates

Created: 30/Jan/12 23:32 Updated: 10/Mar/15 04:32 Resolved: 04/Feb/12 22:51