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Hadoop Map/Reduce / [MAPREDUCE-3834](#)

## If multiple hosts for a split belong to the same rack, the rack is added multiple times in the AM request table

▼ Details

Type:

Bug

Status:

CLOSED

Priority:

Critical

Resolution:

Fixed

Affects Version/s:

0.23.0

Fix Version/s:

0.23.1

Component/s:

mr-am, mrv2

Labels:

None

Hadoop Flags:

Reviewed

Release Note:

Changed MR AM to not add the same rack entry multiple times into the container request table when multiple hosts for a split happen to be on the same rack

▼ Description

Should be added only once - so that the RM doesn't think there's multiple rack local requests for that particular rack.

▼ Attachments

MR3834.txt

4 kB

08/Feb/12 00:32

MR3834.txt

4 kB

07/Feb/12 19:55

▼ Activity

▼ Siddharth Seth added a comment - 07/Feb/12 19:55

Applies on top of 3815. Will submit patch after that's done.

▼ Hadoop QA added a comment - 07/Feb/12 23:05

-1 overall. Here are the results of testing the latest attachment <http://issues.apache.org/jira/secure/attachment/12513671/MR3834.txt> 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 failed these unit tests:  
org.apache.hadoop.mapred.TestJobCounters

+1 contrib tests. The patch passed contrib unit tests.


Test results: <https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/1816//testReport/>  
Console output: <https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/1816//console>

This message is automatically generated.

▼ Vinod Kumar Vavilapalli added a comment - 08/Feb/12 00:08

Looking at this for review/commit.


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▼  Vinod Kumar Vavilapalli added a comment - 08/Feb/12 00:27

Looks good overall. Very minor nits:


- I was confused by the test as to how the hosts all get resolved to the same rack. May be you can comment that they resolve to the default rack.
- when you do a `racks.toArray(new String[0])`, you could instead do `racks.toArray(new String[racks.size()])`. The underlying code does the resizing immediately, we could as well give the correct size.

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▼  Siddharth Seth added a comment - 08/Feb/12 00:32

Done. Thanks for the review.

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▼  Hadoop QA added a comment - 08/Feb/12 01:35

-1 overall. Here are the results of testing the latest attachment  
<http://issues.apache.org/jira/secure/attachment/12513730/MR3834.txt>  
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 failed these unit tests:

`org.apache.hadoop.mapred.TestJobCounters`


+1 contrib tests. The patch passed contrib unit tests.

Test results: <https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/1819/testReport/>

Console output: <https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/1819/console>

This message is automatically generated.

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▼  Vinod Kumar Vavilapalli added a comment - 08/Feb/12 01:51

+!. lgtn now. Pushing this in.

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▼  Vinod Kumar Vavilapalli added a comment - 08/Feb/12 01:57

I just committed this to trunk and branch-0.23. Thanks Sid!

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▼  Hudson added a comment - 08/Feb/12 02:05

Integrated in Hadoop-Hdfs-trunk-Commit #1763 (See <https://builds.apache.org/job/Hadoop-Hdfs-trunk-Commit/1763/>)  
[MAPREDUCE-3834](#). Changed MR AM to not add the same rack entry multiple times into the container request table when multiple hosts for a split happen to be on the same rack. Contributed by Siddharth Seth.

vinodkv : <http://svn.apache.org/viewcvcs.cgi/?root=Apache-SVN&view=rev&rev=1241734>

Files :

- `/hadoop/common/trunk/hadoop-mapreduce-project/CHANGES.txt`
- `/hadoop/common/trunk/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/main/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TaskAttemptImpl.java`
- `/hadoop/common/trunk/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/test/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TestTaskAttempt.java`

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▼  Hudson added a comment - 08/Feb/12 02:06

Integrated in Hadoop-Common-trunk-Commit #1689 (See <https://builds.apache.org/job/Hadoop-Common-trunk-Commit/1689/>) [MAPREDUCE-3834](#). Changed MR AM to not add the same rack entry multiple times into the container request table when multiple hosts for a split happen to be on the same rack. Contributed by Siddarth Seth.

vinodkv : <http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1241734>

Files :

- /hadoop/common/trunk/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/main/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TaskAttemptImpl.java
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/test/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TestTaskAttempt.java

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▼  Hudson added a comment - 08/Feb/12 02:09

Integrated in Hadoop-Hdfs-0.23-Commit #505 (See <https://builds.apache.org/job/Hadoop-Hdfs-0.23-Commit/505/>) [MAPREDUCE-3834](#). Changed MR AM to not add the same rack entry multiple times into the container request table when multiple hosts for a split happen to be on the same rack. Contributed by Siddarth Seth.

svn merge --ignore-ancestry -c 1241734 ../trunk/

vinodkv : <http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1241735>

Files :

- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/main/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TaskAttemptImpl.java
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/test/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TestTaskAttempt.java

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▼  Hudson added a comment - 08/Feb/12 02:11

Integrated in Hadoop-Common-0.23-Commit #517 (See <https://builds.apache.org/job/Hadoop-Common-0.23-Commit/517/>) [MAPREDUCE-3834](#). Changed MR AM to not add the same rack entry multiple times into the container request table when multiple hosts for a split happen to be on the same rack. Contributed by Siddarth Seth.

svn merge --ignore-ancestry -c 1241734 ../trunk/

vinodkv : <http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1241735>

Files :

- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/main/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TaskAttemptImpl.java
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/test/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TestTaskAttempt.java

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▼  Hudson added a comment - 08/Feb/12 02:46

Integrated in Hadoop-Mapreduce-trunk-Commit #1700 (See <https://builds.apache.org/job/Hadoop-Mapreduce-trunk-Commit/1700/>) [MAPREDUCE-3834](#). Changed MR AM to not add the same rack entry multiple times into the container request table when multiple hosts for a split happen to be on the same rack. Contributed by Siddarth Seth.

vinodkv : <http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1241734>

Files :

- /hadoop/common/trunk/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/main/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TaskAttemptImpl.java
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/test/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TestTaskAttempt.java

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▼  Hudson added a comment - 08/Feb/12 02:47

Integrated in Hadoop-Mapreduce-0.23-Commit #521 (See <https://builds.apache.org/job/Hadoop-Mapreduce-0.23-Commit/521/>) [MAPREDUCE-3834](#). Changed MR AM to not add the same rack entry multiple times into the container request table when multiple hosts for a split happen to be on the same rack. Contributed by Siddarth Seth.

svn merge --ignore-ancestry -c 1241734 ../trunk/

vinodkv : <http://svn.apache.org/viewcvcs.cgi/?root=Apache-SVN&view=rev&rev=1241735>

Files :

- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/main/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TaskAttemptImpl.java
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/test/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TestTaskAttempt.java

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▼  Hudson added a comment - 08/Feb/12 12:41

Integrated in Hadoop-Hdfs-trunk #950 (See <https://builds.apache.org/job/Hadoop-Hdfs-trunk/950/>)

[MAPREDUCE-3834](#). Changed MR AM to not add the same rack entry multiple times into the container request table when multiple hosts for a split happen to be on the same rack. Contributed by Siddarth Seth.

vinodkv : <http://svn.apache.org/viewcvcs.cgi/?root=Apache-SVN&view=rev&rev=1241734>

Files :

- /hadoop/common/trunk/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/main/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TaskAttemptImpl.java
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/test/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TestTaskAttempt.java

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▼  Hudson added a comment - 08/Feb/12 12:47

Integrated in Hadoop-Hdfs-0.23-Build #163 (See <https://builds.apache.org/job/Hadoop-Hdfs-0.23-Build/163/>)

[MAPREDUCE-3834](#). Changed MR AM to not add the same rack entry multiple times into the container request table when multiple hosts for a split happen to be on the same rack. Contributed by Siddarth Seth.

svn merge --ignore-ancestry -c 1241734 ../trunk/

vinodkv : <http://svn.apache.org/viewcvcs.cgi/?root=Apache-SVN&view=rev&rev=1241735>

Files :

- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/main/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TaskAttemptImpl.java
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/test/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TestTaskAttempt.java

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▼  Hudson added a comment - 08/Feb/12 13:16

Integrated in Hadoop-Mapreduce-0.23-Build #185 (See <https://builds.apache.org/job/Hadoop-Mapreduce-0.23-Build/185/>)

[MAPREDUCE-3834](#). Changed MR AM to not add the same rack entry multiple times into the container request table when multiple hosts for a split happen to be on the same rack. Contributed by Siddarth Seth.

svn merge --ignore-ancestry -c 1241734 ../trunk/

vinodkv : <http://svn.apache.org/viewcvcs.cgi/?root=Apache-SVN&view=rev&rev=1241735>

Files :

- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/main/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TaskAttemptImpl.java
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/test/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TestTaskAttempt.java

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▼  Hudson added a comment - 08/Feb/12 13:53

Integrated in Hadoop-Mapreduce-trunk #983 (See <https://builds.apache.org/job/Hadoop-Mapreduce-trunk/983/>)

[MAPREDUCE-3834](#). Changed MR AM to not add the same rack entry multiple times into the container request table when multiple hosts for a split happen to be on the same rack. Contributed by Siddarth Seth.

vinodkv : <http://svn.apache.org/viewcvcs.cgi/?root=Apache-SVN&view=rev&rev=1241734>

Files :

- /hadoop/common/trunk/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/main/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TaskAttemptImpl.java

- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-app/src/test/java/org/apache/hadoop/mapreduce/v2/app/job/impl/TestTaskAttempt.java

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**▼ People**

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Assignee:



Siddharth Seth

Reporter:



Siddharth Seth

Votes:

0

Vote for this issue

Watchers:

1

Start watching this issue

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**▼ Dates**

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Created:

07/Feb/12 19:47

Updated:

05/Mar/12 02:49

Resolved:

08/Feb/12 01:57