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Hadoop Map/Reduce / MAPREDUCE-3348

mapred job -status fails to give info even if the job is present in **History**

Details

CLOSED Buq Status: Type: Priority: Major Resolution: Fixed

Affects Version/s: 0.23.0 Fix Version/s: 0.23.3, 2.0.2-alpha

Component/s: mrv2 Labels: None Hadoop Flags: Reviewed

Fixed a bug in MR client to redirect to JobHistoryServer correctly when RM forgets the app. Release Note:

Description

It is trying to get the app report from the RM for the job, RM throws exception when it doesn't find and then it is giving the same exception without trying from History Server.

```
11/11/03 08:47:27 INFO ipc.HadoopYarnRPC: Creating a HadoopYarnProtoRpc proxy for protocol interface org.apache.hadoop.mapred
uce.v2.api.MRClientProtocol
11/11/03 08:47:28 WARN mapred.ClientServiceDelegate: Exception thrown by remote end.
RemoteTrace:
  at LocalTrace:
                 org.apache.hadoop.yarn.exceptions.impl.pb.YarnRemoteExceptionPBImpl: Trying to get information for an absent applicat
ion application_1320278804241_0002
                 at $Proxy6.getApplicationReport(Unknown Source)
                 \verb|at org.apache.hadoop.yarn.api.impl.pb.client.ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientImpl.getApplicationReport(ClientRMProtocolPBClientReport(ClientRMProtocolPBClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(ClientReport(Cl
ntImpl.java:111)
                 \verb|at org.apache.hadoop.mapred.ResourceMgrDelegate.getApplicationReport(ResourceMgrDelegate.java:321)| \\
                 at org.apache.hadoop.mapred.ClientServiceDelegate.getProxy(ClientServiceDelegate.java:137)
                  at org.apache.hadoop.mapred.ClientServiceDelegate.invoke(ClientServiceDelegate.java:273)
                 at org.apache.hadoop.mapred.ClientServiceDelegate.getJobStatus(ClientServiceDelegate.java:353)
                 at org.apache.hadoop.mapred.YARNRunner.getJobStatus(YARNRunner.java:429)
                 at org.apache.hadoop.mapreduce.Cluster.getJob(Cluster.java:186)
                 at org.apache.hadoop.mapreduce.tools.CLI.run(CLI.java:240)
                  at org.apache.hadoop.util.ToolRunner.run(ToolRunner.java:69)
                  at org.apache.hadoop.util.ToolRunner.run(ToolRunner.java:83)
                 at org.apache.hadoop.mapred.JobClient.main(JobClient.java:1106)
Exception in thread "main" RemoteTrace:
```

Attachments

MAPREDUCE-3348.patch	4 kB	14/Feb/12 16:37
MAPREDUCE-3348-1.patch	6 kB	09/Mar/12 08:32

Activity

Hadoop QA added a comment - 14/Feb/12 17:36

+1 overall. Here are the results of testing the latest attachment http://issues.apache.org/jira/secure/attachment/12514501/MAPREDUCE-3348.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/1853//testReport/Console output: https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/1853//console

This message is automatically generated.

▼ ○ Vinod Kumar Vavilapalli added a comment - 15/Feb/12 22:46

I don't like the fact that we have to rely on ApplicationReport being null, but can live with it for now. We should add different exceptions like NotFoundException, AccessControlException which we can then use for app, queue, node etc.

Looks good otherwise. Couple of minor nit:

- Please add a comment to ClientRMService.getApplicationReport() when we return with null report. Also, clarify the same thing
 by adding a javadoc for this method.
- Can you also change the two log statements "Could not get Job info from RM for job ..." in ClientServiceDelegate to INFO?

Vinod Kumar Vavilapalli added a comment - 15/Feb/12 22:51

Created MAPREDUCE-3865 for throwing different exceptions.

Devaraj Kavali added a comment - 09/Mar/12 08:34

Thanks Vinod for taking a look into the patch. I have addressed the comments in the updated patch.

I'm sorry for the late response.

O Hadoop QA added a comment - 09/Mar/12 09:38

- +1 overall. Here are the results of testing the latest attachment http://issues.apache.org/jira/secure/attachment/12517690/MAPREDUCE-3348-1.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 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/2024//testReport/Console output: https://builds.apache.org/job/PreCommit-MAPREDUCE-Build/2024//console

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▼ ○ Vinod Kumar Vavilapalli added a comment - 09/Mar/12 18:41

okie, looks good, pushing this in.

Vinod Kumar Vavilapalli added a comment - 09/Mar/12 18:55

Just committed this to branch-0.23 and trunk, Thanks Devaraj K!

Will merge into 0.23.2 later.

Hudson added a comment - 09/Mar/12 19:05

Integrated in Hadoop-Hdfs-0.23-Commit #657 (See https://builds.apache.org/job/Hadoop-Hdfs-0.23-Commit/657/)

MAPREDUCE-3348. Fixed a bug in MR client to redirect to JobHistoryServer correctly when RM forgets the app. Contributed by Devarai K.

svn merge --ignore-ancestry -c 1298978 ../../trunk/ (Revision 1298979)

Result = SUCCESS

vinodkv: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1298979

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-jobclient/src/main/java/org/apache/hadoop/mapred/ClientServiceDelegate.java
- /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/ClientRMService.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/TestClientRMService.java
- O Hudson added a comment 09/Mar/12 19:05

Integrated in Hadoop-Hdfs-trunk-Commit #1934 (See https://builds.apache.org/job/Hadoop-Hdfs-trunk-Commit/1934/)

MAPREDUCE-3348. Fixed a bug in MR client to redirect to JobHistoryServer correctly when RM forgets the app. Contributed by Devaraj K. (Revision 1298978)

Result = SUCCESS

vinodkv: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1298978

Files :

- /hadoop/common/trunk/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-clientjobclient/src/main/java/org/apache/hadoop/mapred/ClientServiceDelegate.java
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/ClientRMService.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/TestClientRMService.java
- ✓ O Hudson added a comment 09/Mar/12 19:06

Integrated in Hadoop-Common-trunk-Commit #1859 (See https://builds.apache.org/job/Hadoop-Common-trunk-Commit/1859/)

MAPREDUCE-3348. Fixed a bug in MR client to redirect to JobHistoryServer correctly when RM forgets the app. Contributed by Devaraj K. (Revision 1298978)

Result = SUCCESS

vinodkv: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1298978

Files:

- /hadoop/common/trunk/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-jobclient/src/main/java/org/apache/hadoop/mapred/ClientServiceDelegate.java
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/ClientRMService.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/TestClientRMService.java
- O Hudson added a comment 09/Mar/12 19:10

Integrated in Hadoop-Common-0.23-Commit #666 (See https://builds.apache.org/job/Hadoop-Common-0.23-Commit/666/)

MAPREDUCE 3348. Fixed a bug in MR client to redirect to JobHistoryServer correctly when RM forgets the app. Contributed by Devaraj K.

svn merge --ignore-ancestry -c 1298978 ../../trunk/ (Revision 1298979)

Result = SUCCESS

vinodkv : http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1298979 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-jobclient/src/main/java/org/apache/hadoop/mapred/ClientServiceDelegate.java
- /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/ClientRMService.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/TestClientRMService.java

O Hudson added a comment - 09/Mar/12 19:46

Integrated in Hadoop-Mapreduce-0.23-Commit #674 (See https://builds.apache.org/job/Hadoop-Mapreduce-0.23-Commit/674/)

MAPREDUCE-3348. Fixed a bug in MR client to redirect to JobHistoryServer correctly when RM forgets the app. Contributed by Devarai K.

svn merge --ignore-ancestry -c 1298978 ../../trunk/ (Revision 1298979)

Result = ABORTED

vinodkv : http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1298979 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-jobclient/src/main/java/org/apache/hadoop/mapred/ClientServiceDelegate.java
- /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/ClientRMService.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/TestClientRMService.java

O Hudson added a comment - 09/Mar/12 20:22

Integrated in Hadoop-Mapreduce-trunk-Commit #1868 (See https://builds.apache.org/job/Hadoop-Mapreduce-trunk-Commit/1868/)

MAPREDUCE 3348. Fixed a bug in MR client to redirect to JobHistoryServer correctly when RM forgets the app. Contributed by Devaraj K. (Revision 1298978)

Result = ABORTED

vinodkv: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1298978

Files:

- /hadoop/common/trunk/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-jobclient/src/main/java/org/apache/hadoop/mapred/ClientServiceDelegate.java
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/ClientRMService.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/TestClientRMService.java

Hudson added a comment - 10/Mar/12 12:52

Integrated in Hadoop-Hdfs-0.23-Build #193 (See https://builds.apache.org/job/Hadoop-Hdfs-0.23-Build/193/)

MAPREDUCE-3348. Fixed a bug in MR client to redirect to JobHistoryServer correctly when RM forgets the app. Contributed by Devaraj K.

svn merge --ignore-ancestry -c 1298978 ../../trunk/ (Revision 1298979)

Result = UNSTABLE

vinodkv: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1298979

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-jobclient/src/main/java/org/apache/hadoop/mapred/ClientServiceDelegate.java
- /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/ClientRMService.java
- /hadoop/common/branches/branch-0.23/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/nadoop-yarn-server-resourcemanager/src/test/java/org/apache/hadoop/yarn/server/resourcemanager/TestClientRMService.java
- ▼ Hudson added a comment 10/Mar/12 12:53

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

MAPREDUCE-3348. Fixed a bug in MR client to redirect to JobHistoryServer correctly when RM forgets the app. Contributed by Devaraj K. (Revision 1298978)

Result = SUCCESS

vinodkv: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1298978

Files:

- /hadoop/common/trunk/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-clientjobclient/src/main/java/org/apache/hadoop/mapred/ClientServiceDelegate.java
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/ClientRMService.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/TestClientRMService.java

✓ ○ Hudson added a comment - 10/Mar/12 13:17

Integrated in Hadoop-Mapreduce-0.23-Build #221 (See https://builds.apache.org/job/Hadoop-Mapreduce-0.23-Build/221/)

MAPREDUCE 3348. Fixed a bug in MR client to redirect to JobHistoryServer correctly when RM forgets the app. Contributed by Devaraj K.

svn merge --ignore-ancestry -c 1298978 ../../trunk/ (Revision 1298979)

Result = FAILURE

vinodkv: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1298979

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-jobclient/src/main/java/org/apache/hadoop/mapred/ClientServiceDelegate.java
- /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/ClientRMService.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/TestClientRMService.java

Hudson added a comment - 10/Mar/12 13:57

Integrated in Hadoop-Mapreduce-trunk #1015 (See https://builds.apache.org/job/Hadoop-Mapreduce-trunk/1015/)

MAPREDUCE-3348. Fixed a bug in MR client to redirect to JobHistoryServer correctly when RM forgets the app. Contributed by Devaraj K. (Revision 1298978)

Result = SUCCESS

vinodkv : http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1298978 Files :

- /hadoop/common/trunk/hadoop-mapreduce-project/CHANGES.txt
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-mapreduce-client/hadoop-mapreduce-client-jobclient/src/main/java/org/apache/hadoop/mapred/ClientServiceDelegate.java
- /hadoop/common/trunk/hadoop-mapreduce-project/hadoop-yarn/hadoop-yarn-server/hadoop-yarn-server-resourcemanager/src/main/java/org/apache/hadoop/yarn/server/resourcemanager/ClientRMService.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/TestClientRMService.java

Robert Joseph Evans added a comment - 13/Jul/12 20:39

Somehow this made it into trunk and branch-2, but not branch-0.23, so I put it in now.

▼ ○ Hudson added a comment - 14/Jul/12 12:48

Integrated in Hadoop-Hdfs-0.23-Build #313 (See https://builds.apache.org/job/Hadoop-Hdfs-0.23-Build/313/) svn merge -c 1298978 FIXES: MAPREDUCE-3348. Fixed a bug in MR client to redirect to JobHistoryServer correctly when RM forgets the app. Contributed by Devaraj K. (Revision 1361385)

Result = SUCCESS

bobby: http://svn.apache.org/viewcvs.cgi/?root=Apache-SVN&view=rev&rev=1361385

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 jobclient/src/main/java/org/apache/hadoop/mapred/ClientServiceDelegate.java
- /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/ClientRMService.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/TestClientRMService.java

People

Assignee:



🕠 Devaraj Kavali

Reporter:



Devaraj Kavali

Votes:

• Vote for this issue

Watchers:

5 Start watching this issue

Dates

Created:

04/Nov/11 12:29

Updated:

11/Oct/12 17:48

Resolved:

09/Mar/12 18:55