

TAJO-1321

jihoonson

2015-01-29

Contents

Chapter 1

Root issue TAJO-1321

1.1 Summary

Cli prints wrong response time

1.2 Description

When I run Tajo on two different clusters, the cli prints wrong response time. Here is examples.

- Cluster1: the response time decreases when the query is finished.

```
tpch100> select count(*) from customer;
Progress: 30%, response time: 1.834 sec
Progress: 30%, response time: 1.834 sec
Progress: 30%, response time: 2.235 sec
Progress: 30%, response time: 3.036 sec
Progress: 43%, response time: 4.037 sec
Progress: 43%, response time: 5.038 sec
Progress: 100%, response time: 4.878 sec
?count
-----
15000000
(1 rows, 4.878 sec, 9 B selected)
```

- Cluster2: the response time jumps when the query is finished.

```
tpch_hdfs> select count(*) from customer;
Progress: 0%, response time: 0.908 sec
Progress: 0%, response time: 0.909 sec
Progress: 0%, response time: 1.31 sec
Progress: 0%, response time: 2.111 sec
Progress: 48%, response time: 3.111 sec
Progress: 100%, response time: 24.104 sec
?count
-----
15000000
```

(1 rows, 24.104 sec, 9 B selected)

I suspect that the wrong information is stored when the query history is written.

1.3 Attachments

1. TAJO-1321.patch

1.4 Commits

1. Commit **58bbb1b** by **Jihoon Son** (2015-02-02): TAJO-1321: Cli prints wrong response time. (jihoon)

Closes #369

1.5 Comments

1. **jihoonson:** The problem is, the start time of a query is set by the Tajo master, but the finish time is set by the Query master.
So, if the time is not synchronized exactly, this problem can occur.

To solve this problem, I suggest that the Query master sets the start time as well as the finish time.

What do you think about it?

2. **jihoonson:** Ok. Allowing the Tajo master to set the start time and the finish time will be the better solution because users think that a query starts when they submit the query, and finishes when they get the results.
3. **tajoqa:** {color:red}* -1 overall.*{color} Here are the results of testing the latest attachment <http://issues.apache.org/jira/secure/attachment/12695890/TAJO-1321.patch> against master revision release-0.9.0-rc0-161-g1e00759.

{color:green}+1 @author.{color} The patch does not contain any @author tags.

{color:red}-1 tests included.{color} The patch doesn't appear to include any new or modified tests.

Please justify why no new tests are needed for this patch.

Also please list what manual steps were performed to verify this patch.

{color:green}+1 javac.{color} The applied patch does not increase the total number of javac compiler warnings.

{color:green}+1 javadoc.{color} The applied patch does not increase the total number of javadoc warnings.

{color:green}+1 checkstyle.{color} The patch generated 0 code style errors.

{color:red}-1 findbugs.{color} The patch appears to introduce 159 new Findbugs (version 2.0.3) warnings.

{color:red}-1 release audit.{color} The applied patch generated 882 release audit warnings.

{color:green}+1 core tests.{color} The patch passed unit tests in tajo-core.

Test results: <https://builds.apache.org/job/PreCommit-TAJO-Build/581//testReport/>

Release audit warnings: <https://builds.apache.org/job/PreCommit-TAJO-Build/581//artifact/incubator-tajo/patchprocess/patchReleaseAuditProblems.txt>

Findbugs warnings: <https://builds.apache.org/job/PreCommit-TAJO-Build/581//artifact/incubator-tajo/patchprocess/newPatchFindbugsWarningstajo-core.html>

Console output: <https://builds.apache.org/job/PreCommit-TAJO-Build/581//console>

This message is automatically generated.

4. **jihoonson**: Thanks for your review!

5. **hudson**: FAILURE: Integrated in Tajo-master-build #573 (See [<https://builds.apache.org/job/Tajo-master-build/573/>])

TAJO-1321: Cli prints wrong response time. (jihoon) (jihoonson: rev 58bbb1bb424288fdb3e731374de9938911d8e0f3)

* tajo-core/src/main/java/org/apache/tajo/querymaster/QueryMaster.java

* tajo-core/src/main/java/org/apache/tajo/master/QueryInProgress.java

* CHANGES

* tajo-core/src/main/java/org/apache/tajo/master/QueryManager.java

* tajo-core/src/main/proto/QueryCoordinatorProtocol.proto

* tajo-core/src/main/java/org/apache/tajo/master/TajoMasterClientService.java

6. **hudson**: FAILURE: Integrated in Tajo-master-CODEGEN-build #212 (See [<https://builds.apache.org/job/Tajo-master-CODEGEN-build/212/>])

TAJO-1321: Cli prints wrong response time. (jihoon) (jihoonson: rev 58bbb1bb424288fdb3e731374de9938911d8e0f3)

* tajo-core/src/main/java/org/apache/tajo/querymaster/QueryMaster.java

* tajo-core/src/main/java/org/apache/tajo/master/TajoMasterClientService.java

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* tajo-core/src/main/proto/QueryCoordinatorProtocol.proto

* tajo-core/src/main/java/org/apache/tajo/master/QueryInProgress.java

1.6 Pull requests

1.6.1 Pull request 369

Title: TAJO-1321: Cli prints wrong response time.

Author: jihoonson

Date: 2015-02-01

Status: closed

Comments:

1. **jihoonson** (2015-02-02): @jinossy thanks for your review.
I fixed it.

2. **jinossy** (2015-02-02): +1 LGTM!
I've verify on cluster.