

TAJO-995

jhkim

2014-08-06

# Contents

# Chapter 1

## Root issue TAJO-995

### 1.1 Summary

HiveMetaStoreClient wrapper should retry the connection

### 1.2 Description

We should change to RetryingMetaStoreClient  
refer to <https://issues.apache.org/jira/browse/HIVE-6390>

```
Caused by: com.google.protobuf.ServiceException: org.apache.tajo.catalog.exception.CatalogException: org.apache.thrift.transport.TTransportException: java.net.SocketTimeoutException: Read timed out
```

```
    at org.apache.tajo.catalog.CatalogServer$CatalogProtocolHandler.getTableDesc(CatalogServer.java:100)
    at org.apache.tajo.catalog.AbstractCatalogClient$11.call(AbstractCatalogClient.java:100)
    at org.apache.tajo.catalog.AbstractCatalogClient$11.call(AbstractCatalogClient.java:100)
    at org.apache.tajo.rpc.ServerCallable.withRetries(ServerCallable.java:95)
    ... 65 more
```

```
Caused by: org.apache.tajo.catalog.exception.CatalogException: org.apache.thrift.transport.TTransportException: java.net.SocketTimeoutException: Read timed out
```

```
    at org.apache.tajo.catalog.store.HCatalogStore.existTable(HCatalogStore.java:93)
    at org.apache.tajo.catalog.CatalogServer$CatalogProtocolHandler.getTableDesc(CatalogServer.java:100)
    ... 68 more
```

```
Caused by: org.apache.thrift.transport.TTransportException: java.net.SocketTimeoutException: Read timed out
```

```
    at org.apache.thrift.transport.TIOStreamTransport.read(TIOStreamTransport.java:77)
    at org.apache.thrift.transport.TTransport.readAll(TTransport.java:84)
    at org.apache.thrift.protocol.TBinaryProtocol.readAll(TBinaryProtocol.java:378)
    at org.apache.thrift.protocol.TBinaryProtocol.readByte(TBinaryProtocol.java:264)
    at org.apache.thrift.protocol.TBinaryProtocol.readFieldBegin(TBinaryProtocol.java:220)
    at org.apache.hadoop.hive.metastore.api.FieldSchema$FieldSchemaStandardScheme.read(FieldSchema$FieldSchemaStandardScheme.java:100)
    at org.apache.hadoop.hive.metastore.api.FieldSchema.read(FieldSchema.java:410)
    at org.apache.hadoop.hive.metastore.api.StorageDescriptor$StorageDescriptorStandardScheme.read(StorageDescriptor$StorageDescriptorStandardScheme.java:100)
    at org.apache.hadoop.hive.metastore.api.StorageDescriptor.read(StorageDescriptor.java:100)
    at org.apache.hadoop.hive.metastore.api.Table$TableStandardScheme.read(Table.java:100)
```

```

at org.apache.hadoop.hive.metastore.api.Table$TableStandardScheme.read(Table.java:1186)
at org.apache.hadoop.hive.metastore.api.Table.read(Table.java:1186)
at org.apache.hadoop.hive.metastore.api.ThriftHiveMetastore$getTable_result$getter.read(Table.java:1186)
at org.apache.hadoop.hive.metastore.api.ThriftHiveMetastore$getTable_result$getter.read(Table.java:1186)
at org.apache.thrift.TServiceClient.receiveBase(TServiceClient.java:78)
at org.apache.hadoop.hive.metastore.api.ThriftHiveMetastore$Client.recv_get_table(Table.java:1186)
at org.apache.hadoop.hive.metastore.api.ThriftHiveMetastore$Client.get_table(Table.java:1186)
at org.apache.hadoop.hive.metastore.HiveMetaStoreClient.getTable(HiveMetaStoreClient.java:1186)
at org.apache.hcatalog.common.HCatUtil.getTable(HCatUtil.java:194)

```

### 1.3 Attachments

No attachments

### 1.4 Commits

1. Commit **fbf7166** by **jinossy** (2014-08-11): TAJO-995: HiveMetaStoreClient wrapper should retry the connection. (jinho)

Closes #108

2. Commit **7c98709** by **jinossy** (2014-08-06): TAJO-995: HiveMetaStoreClient wrapper should retry the connection
3. Commit **b42f64d** by **hyunsik** (2012-12-27): TAJO-995: PullServerAuxService incurs IllegalArgumentException

### 1.5 Comments

1. **hudson:** SUCCESS: Integrated in Tajo-master-build #332 (See [<https://builds.apache.org/job/Tajo-master-build/332/>])  
TAJO-995: HiveMetaStoreClient wrapper should retry the connection. (jinho) (jinossy: rev fbf7166897b3b25d8319198216dc4ca529e677ce)  
\* tajo-catalog/tajo-catalog-drivers/tajo-hcatalog/src/main/java/org/apache/tajo/catalog/store/HCatalogStoreClient.java  
\* CHANGES  
\* tajo-catalog/tajo-catalog-drivers/tajo-hcatalog/src/main/java/org/apache/tajo/catalog/store/HCatalogStoreClient.java  
\* tajo-catalog/tajo-catalog-drivers/tajo-hcatalog/src/main/java/org/apache/tajo/catalog/store/HCatalogUtil.java
2. **hudson:** SUCCESS: Integrated in Tajo-master-build #390 (See [<https://builds.apache.org/job/Tajo-master-build/390/>])  
TAJO-995: HiveMetaStoreClient wrapper should retry the connection (jinossy: rev 7c98709f0fcb06dfb675acae3d6489)  
\* tajo-catalog/tajo-catalog-drivers/tajo-hcatalog/src/main/java/org/apache/tajo/catalog/store/HCatalogStoreClient.java  
\* tajo-catalog/tajo-catalog-drivers/tajo-hcatalog/src/main/java/org/apache/tajo/catalog/store/HCatalogUtil.java  
\* tajo-catalog/tajo-catalog-drivers/tajo-hcatalog/src/main/java/org/apache/tajo/catalog/store/HCatalogStoreClient.java
3. **hudson:** SUCCESS: Integrated in Tajo-master-CODEGEN-build #32 (See [<https://builds.apache.org/job/Tajo-master-CODEGEN-build/32/>])  
TAJO-995: HiveMetaStoreClient wrapper should retry the connection (jinossy: rev 7c98709f0fcb06dfb675acae3d6489)  
\* tajo-catalog/tajo-catalog-drivers/tajo-hcatalog/src/main/java/org/apache/tajo/catalog/store/HCatalogUtil.java

```
* tajo-catalog/tajo-catalog-drivers/tajo-hcatalog/src/main/java/org/apache/tajo/catalog/store/HCatalogStoreClient.java
* tajo-catalog/tajo-catalog-drivers/tajo-hcatalog/src/main/java/org/apache/tajo/catalog/store/HCatalogStore.java

4. hudson: SUCCESS: Integrated in Tajo-block_iteration-branch-build #15 (See [https://builds.apache.org/job/Tajo-block_iteration-branch-build/15/])
TAJO-995: HiveMetaStoreClient wrapper should retry the connection (jinossy: rev 7c98709f0fcb06dfb675acae3d6488)
* tajo-catalog/tajo-catalog-drivers/tajo-hcatalog/src/main/java/org/apache/tajo/catalog/store/HCatalogUtil.java
* tajo-catalog/tajo-catalog-drivers/tajo-hcatalog/src/main/java/org/apache/tajo/catalog/store/HCatalogStore.java
* tajo-catalog/tajo-catalog-drivers/tajo-hcatalog/src/main/java/org/apache/tajo/catalog/store/HCatalogStoreClient.java
```

## 1.6 Pull requests

### 1.6.1 Pull request 108

**Title:** TAJO-995: HiveMetaStoreClient wrapper should retry the connection

**Author:** jinossy

**Date:** 2014-08-06

**Status:** closed

**Comments:**

1. **blrunner** (2014-08-08): Hi @jinossy

+1

Thanks your contribution, it's really necessary patch to tajo.

It looks good overall and 'mvn clean install -Phcatalog-0.12.0 -Dtajo.catalog.store.class=org.apache.tajo.catalog.store.HCatalogStoreClient' finished successfully.

Push it. :)

2. **jinossy** (2014-08-11): committed it  
Thank you for the review!!