TAJO-22

hyunsik

2013-04-01

# Contents

### Chapter 1

## Root issue TAJO-22

#### 1.1 Summary

The package prefix should be org.apache.tajo.

#### 1.2 Description

Now, the package prefix is just tajo. The package prefix should be org.apache.tajo.

#### 1.3 Attachments

- 1. tajo-22.diff
- 2. TAJO-22.hyunsik.130702.patch.txt

#### 1.4 Comments

- 1. **initialcontext:** Yes this should happen right away. Might make a good (but tedious) newbie issue if anyone wants to encourage some new people to get involved?
- 2. charsyam: I am just a newbie for tajo. so, Hyunsik, could you assign this issue to me?

I am willing to do this job. :) Thank you.

3. hyunsik: Eli,

I agree with your thinking. This issue would be very good for some new people. Besides, I've added you as one of the jira administrators. You can add new contributors. Thanks!

DaeMyung,

Thank you for your interest! I've assigned this issue to you. This issue may be somewhat tedious because there are many modules and packages. Also, please note that some configuration files (e.g., tajo-default.xml and catalog-default.xml) may include full qualified class names. You have to change them too.

4. hsaputra: Hi DaeMyung,

Thnx for picking up this task.

Looks like this will be very important as part of incubation to make sure the transition happen before more code is added.

Please let us know if you need help with this.

5. **charsyam:** [~hyunsik]Please check this diff. :)

It is patch for latest version of tajo. :)

Thank you.

I'm sorry to make it late.

- 6. **hyunsik:** Thank you for your contribution. The patch looks great. I've improved your patch as follows:
  - \* Recover the property key names of \*-default.xml files because the key names are not based on package names.
  - \*\* From this change, I modified TajoConf that contains most of all property keys.
  - \* Recover pom.xml files for each package because the git address should be kept.
  - \* Recover the jvm option 'tajo.test' in TaskLauncherImpl because this is not a package name.

I've uploaded the improved patch. I verified 'mvn clean install'. If there is no objection until tomorrow, I'll commit this patch.

- 7. **jihoonson:** +1. This patch looks good to me.
- 8. **hyunsik:** Thank you for the review. I've just committed with your +1 because such a patch is very likely to be conflict with other works.

DaeMyung,

Thank you for your contribution.

9. **hudson:** Integrated in Tajo-trunk-postcommit #176 (See [https://builds.apache.org/job/Tajo-trunk-postcommit/176/])

TAJO-22: The package prefix should be org.apache.tajo. (DaeMyung Kang via hyunsik) (Revision bc6359b834ebf67d212efc4fb785c186dc4d2a27)

Result = SUCCESS

hyunsik: https://git-wip-us.apache.org/repos/asf?p=incubator-tajo.git&a=commit&h=bc6359b834ebf67d212efc4ffels:\* tajo-common/src/main/java/org/apache/tajo/TajoConstants.java

- \* tajo-catalog/tajo-catalog-common/src/main/java/tajo/catalog/exception/AlreadyExistsFieldException.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/utils/TupleUtil.java
- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/planner/logical/UnionNode.java
- \* tajo-catalog/tajo-catalog-common/src/main/java/tajo/catalog/json/TableMetaAdapter.java
- \* tajo-catalog/tajo-catalog-common/src/main/java/tajo/catalog/json/TableMetaAdapter.java
  \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/planner/physical/BinaryPhysicalExec.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/master/event/QueryEventType.java
- \* tajo-core/tajo-core-backend/src/main/java/tajo/master/ExecutionBlockCursor.java
- \* tajo-core/tajo-core-backend/src/test/java/org/apache/tajo/engine/planner/TestLogicalOptimizer.java
- \* tajo-common/src/main/java/tajo/datum/NumericDatum.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/function/builtin/SumDouble.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/query/exception/InvalidQueryException.jav
- \* tajo-common/src/test/java/org/apache/tajo/datum/TestInet4Datum.java
- \* tajo-core/tajo-core-backend/src/main/java/tajo/master/event/QueryDiagnosticsUpdateEvent.java
- \* tajo-core/tajo-core-backend/src/test/java/tajo/engine/query/TestSelectQuery.java
- $*\ tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/planner/logical/UnionNode.java/org/apache/tajo/engine/planner/logical/UnionNode/planner/logical/UnionNode/planner/logical/UnionNode/planner/$
- $*\ tajo-core/tajo-core-backend/src/main/java/tajo/engine/planner/logical/extended/ReceiveNode.java/tajo-core/tajo-core-backend/src/main/java/tajo/engine/planner/logical/extended/ReceiveNode.java/tajo-core-backend/src/main/java/tajo/engine/planner/logical/extended/ReceiveNode.java/tajo-core-backend/src/main/java/tajo/engine/planner/logical/extended/ReceiveNode.java/tajo-core-backend/src/main/java/tajo-core-backend/src/main/java/tajo-engine/planner/logical/extended/ReceiveNode.java/tajo-core-backend/src/main/java/tajo-engine/planner/logical/extended/ReceiveNode.java/tajo-engine/planner/logical/extended/ReceiveNode/Re$
- \* tajo-catalog/tajo-catalog-common/src/main/java/tajo/catalog/exception/AlreadyExistsTableException.java

- \* tajo-catalog/tajo-catalog-common/src/main/java/tajo/catalog/Column.java
- \* tajo-common/src/main/java/tajo/datum/Int8Datum.java
- \* tajo-catalog/tajo-catalog-common/src/test/java/org/apache/tajo/catalog/statistics/TestStatSet.java/org/apache/tajo/catalog/statistics/org/apache/tajo/catalog/statistics/org/apache/tajo/catalog/statistics/org/apache/tajo/catalog/statistics/org/apache/tajo/catalog/statistics/org/apache/tajo/catalog/statistics/org/apache/tajo/catalog/statistics/org/apache/tajo/catalog/statistics/org/apache/tajo/catalog/statistics/org/apache/tajo/catalog/statistics/org/apache/tajo/catalog/statistics/org/apache/tajo/catalog/statistics/org/apache/tajo/catalog/statistics/org/apache/tajo/catalog/statistics/org/apache/tajo/catalog/statistics/org/apache/taj
- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/planner/logical/join/Edge.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/planner/PhysicalPlanner.java
- \* tajo-core/tajo-core-backend/src/main/java/tajo/worker/dataserver/HttpUtil.java
- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/parser/CreateIndexStmt.java
- \* tajo-algebra/src/main/java/org/apache/tajo/algebra/Join.java
- \* tajo-common/src/test/java/tajo/datum/TestInt4Datum.java
- $*\ tajo-core/tajo-core-backend/src/main/java/tajo/master/QueryUnitAttempt.java$
- \* tajo-common/src/main/java/org/apache/tajo/datum/NullDatum.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/planner/physical/EvalExprExec.java
- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/planner/physical/MergeJoinExec.java
- \* tajo-core/tajo-core-backend/src/main/proto/PrimitiveProtos.proto
- $*\ tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/eval/AlgebraicException.java$
- \* tajo-common/src/main/java/tajo/util/BitArray.java
- \* tajo-catalog/tajo-catalog-server/src/main/java/tajo/catalog/LocalCatalog.java
- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/function/builtin/RandomInt.java
- $*\ tajo-catalog/tajo-catalog-server/src/test/java/org/apache/tajo/catalog/TestCatalog.java$
- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/eval/FuncEval.java
- $*\ tajo-core/tajo-core-backend/src/main/java/tajo/engine/eval/FuncCallEval.java$
- \* tajo-common/src/test/java/org/apache/tajo/datum/TestFloat8Datum.java
- \* tajo-common/src/main/java/tajo/util/JarUtil.java
- $*\ tajo-catalog/tajo-catalog-server/src/test/java/tajo/catalog/statistics/TestColumnStat.java$
- \* tajo-catalog/tajo-catalog-common/src/main/java/org/apache/tajo/catalog/function/FunctionContext.java
- \* tajo-core/tajo-core-storage/src/main/java/org/apache/tajo/storage/RowStoreUtil.java
- \* tajo-catalog/tajo-catalog-common/src/test/java/org/apache/tajo/catalog/TestIndexDesc.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/planner/LogicalPlanner.java
- \* tajo-common/src/test/java/tajo/datum/TestBitDatum.java
- $*\ tajo-catalog/tajo-catalog-common/src/main/java/tajo/catalog/CatalogConstants.java$
- $*\ tajo-core/tajo-core-backend/src/test/java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/TestExternalSortExec.java/org/apache/tajo/engine/planner/physical/tajo/engine/planner/physical/tajo/engine/planner/physical/tajo/engine/planner/physical/tajo/engine/planner/physical/tajo/engine/planner/physical/tajo/engine/physical/tajo/eng$
- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/function/builtin/MinDouble.java
- \* tajo-common/src/main/java/org/apache/tajo/QueryIdFactory.java
- \* tajo-core/tajo-core-backend/src/test/java/org/apache/tajo/worker/TestRangeRetrieverHandler.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/function/builtin/RandomInt.java
- \* tajo-catalog/tajo-catalog-client/src/main/java/tajo/catalog/AbstractCatalogClient.java
- \* tajo-catalog/tajo-catalog-common/src/test/java/tajo/catalog/TestTableDesc.java
- \* tajo-core/tajo-core-backend/src/test/java/tajo/webapp/TestHttpServer.java
- \* tajo-core/tajo-core-backend/src/test/java/tajo/MiniTajoYarnCluster.java
- $*\ tajo-catalog/tajo-catalog-server/src/test/java/org/apache/tajo/catalog/statistics/TestColumnStat.java/org/apache/tajo/catalog/statistics/TestColumnStat.java/org/apache/tajo/catalog/statistics/TestColumnStat.java/org/apache/tajo/catalog/statistics/TestColumnStat.java/org/apache/tajo/catalog/statistics/TestColumnStat.java/org/apache/tajo/catalog/statistics/TestColumnStat.java/org/apache/tajo/catalog/statistics/TestColumnStat.java/org/apache/tajo/catalog/statistics/TestColumnStat.java/org/apache/tajo/catalog/statistics/TestColumnStat.java/org/apache/tajo/catalog/statistics/TestColumnStat.java/org/apache/tajo/catalog/statistics/TestColumnStat.java/org/apache/tajo/catalog/statistics/TestColumnStat.java/org/apache/tajo/catalog/statistics/TestColumnStat.java/org/apache/tajo/catalog/statistics/TestColumnStat.java/org/apache/tajo/catalog/statistics/TestColumnStat.java/org/apache/tajo/catalog/statistics/TestColumnStat.java/org/apache/tajo/catalog/statistics/TestColumnStatistics/TestColu$
- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/planner/physical/ProjectionExec.java
- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/function/builtin/MinInt.java
- \* tajo-core/tajo-core-backend/src/main/java/tajo/client/TajoClient.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/planner/physical/ProjectionExec.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/function/InCountry.java
- \* tajo-core/tajo-core-pullserver/src/main/java/org/apache/tajo/pullserver/retriever/DataRetriever.java
- \* tajo-common/src/test/java/tajo/datum/TestCharDatum.java
- \* tajo-core/tajo-core-backend/src/test/java/tajo/storage/TestRowFile.java
- \* tajo-catalog/tajo-catalog-server/src/test/java/org/apache/tajo/catalog/statistics/TestStatisticsUtil.java
- $*\ tajo-core/tajo-core-backend/src/main/java/tajo/engine/planner/physical/Store Table Exec. java$
- $*\ tajo-core/tajo-core-backend/src/main/java/tajo/engine/planner/physical/BNLJoinExec.java$
- $*\ tajo-core/tajo-core-backend/src/test/java/org/apache/tajo/worker/dataserver/TestHttpDataServer.java/org/apache/tajo/worker/dataserver/TestHttpDataServer.java/org/apache/tajo/worker/dataserver/TestHttpDataServer.java/org/apache/tajo/worker/dataserver/TestHttpDataServer.java/org/apache/tajo/worker/dataserver/TestHttpDataServer.java/org/apache/tajo/worker/dataserver/TestHttpDataServer.java/org/apache/tajo/worker/dataserver/TestHttpDataServer.java/org/apache/tajo/worker/dataserver/TestHttpDataServer.java/org/apache/tajo/worker/dataserver/TestHttpDataServer.java/org/apache/tajo/worker/dataserver/TestHttpDataServer.java/org/apache/tajo/worker/dataserver/TestHttpDataServer.java/org/apache/tajo/worker/dataserver/TestHttpDataServer.java/org/apache/tajo/worker/dataserver/TestHttpDataServer.java/org/apache/tajo/worker/dataserver/TestHttpDataServer.java/org/apache/tajo/worker/dataserver/TestHttpDataServer.java/org/apache/tajo/worker/dataserver/TestHttpDataServer/Dataserve$
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- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/master/GlobalPlannerUtils.java

- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/query/exception/InvalidQueryException.java
- \* tajo-core/tajo-core-backend/src/test/java/org/apache/tajo/engine/planner/TestLogicalPlanner.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/worker/dataserver/retriever/RetrieverHandler.java
- \* tajo-catalog/tajo-catalog-client/src/main/resources/catalog-default.xml
- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/exception/UnfinishedTaskException.java
- \* tajo-core/tajo-core-backend/src/main/java/tajo/master/event/TaskScheduleEvent.java
- \* tajo-algebra/src/main/java/org/apache/tajo/algebra/Selection.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/eval/InvalidEvalException.java
- \* tajo-catalog/tajo-catalog-common/src/main/java/tajo/catalog/function/FunctionContext.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/function/builtin/SumFloat.java
- \* tajo-core/tajo-core-backend/src/test/java/tajo/master/TestRepartitioner.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/planner/logical/UnaryNode.java
- \* tajo-catalog/tajo-catalog-common/src/main/java/org/apache/tajo/catalog/json/FunctionAdapter.java
- \* tajo-algebra/src/main/java/tajo/algebra/JoinType.java
- \* tajo-catalog/tajo-catalog-common/src/test/java/tajo/catalog/TestSchema.java
- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/planner/logical/EvalExprNode.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/function/builtin/Today.java
- \* tajo-core/tajo-core-backend/src/main/java/tajo/master/event/TaskFatalErrorEvent.java
- $*\ tajo-core/tajo-core-backend/src/main/java/tajo/engine/planner/logical/ProjectionNode.java$
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/query/exception/UndefinedFunctionExcepti
- \* tajo-core/tajo-core-backend/src/test/resources/webapps/TestHttpServer/WEB-INF/web.xml
- \* tajo-algebra/src/main/java/org/apache/tajo/algebra/ScalarSubQuerv.java
- \* tajo-core/tajo-core-pullserver/src/main/java/tajo/pullserver/FadvisedChunkedFile.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/worker/PartitionRetrieverHandler.java
- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/exception/EmptyClusterException.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/function/builtin/Date.java
- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/eval/LikeEval.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/eval/AggFuncCallEval.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/master/TaskRunnerListener.java
- \* tajo-common/src/test/java/tajo/util/TestFileUtils.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/eval/BinaryEval.java
- \* tajo-core/tajo-core-backend/src/test/java/org/apache/tajo/engine/planner/physical/TestSortExec.java
- \* tajo-core/tajo-core-backend/src/test/java/org/apache/tajo/engine/planner/TestLogicalNode.java
- \* tajo-common/src/main/java/tajo/exception/UnsupportedException.java
- \* tajo-common/src/main/java/tajo/storage/Tuple.java
- \* tajo-core/tajo-core-backend/src/test/java/tajo/client/TestTajoClient.java
- \* tajo-common/src/main/java/tajo/datum/exception/InvalidOperationException.java
- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/planner/physical/HashJoinExec.java
- \* tajo-core/tajo-core-backend/src/test/java/tajo/worker/TestRangeRetrieverHandler.java
- \* tajo-core/tajo-core-backend/src/main/proto/ClientProtocol.proto
- \* tajo-common/src/main/java/tajo/util/ReflectionUtil.java
- \* tajo-core/tajo-core-backend/src/test/java/tajo/engine/query/TestResultSetImpl.java
- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/planner/physical/SelectionExec.java
- \* tajo-catalog/tajo-catalog-common/src/main/java/org/apache/tajo/catalog/TableDesc.java-catalog/tajo-catalog-common/src/main/java/org/apache/tajo/catalog/TableDesc.java-catalog-common/src/main/java/org/apache/tajo/catalog/TableDesc.java-catalog-catalog-common/src/main/java/org/apache/tajo/catalog/TableDesc.java-catalog-cat
- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/planner/PlanningContext.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/function/builtin/MinDouble.java
- \* tajo-common/src/main/java/tajo/datum/ArrayDatum.java
- \* tajo-common/src/main/proto/TajoIdProtos.proto
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/planner/logical/extended/ReceiveNode.java
- \* tajo-catalog/tajo-catalog-common/src/main/java/tajo/catalog/statistics/TupleUtil.java
- $*\ tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/planner/logical/EvalExprNode.java$
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/master/TaskRunnerGroupEvent.java
- $*\ tajo-catalog/tajo-catalog-common/src/test/java/org/apache/tajo/catalog/TestTableInfo.java$
- \* tajo-core/tajo-core-backend/src/main/java/tajo/master/event/QuerySubQueryEvent.java

- \* tajo-common/src/main/java/org/apache/tajo/datum/BlobDatum.java
- $*\ tajo-core/tajo-core-backend/src/main/java/tajo/engine/planner/physical/MemSortExec.java$
- \* tajo-common/src/test/java/org/apache/tajo/datum/TestDatum.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/planner/physical/PartitionedStoreExec.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/eval/LikeEval.java
- \* tajo-core/tajo-core-backend/src/main/proto/tajo\_protos.proto
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/planner/physical/MemSortExec.java
- \* tajo-core/tajo-core-backend/src/test/java/tajo/LocalTajoTestingUtility.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/QueryConf.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/planner/physical/UnaryPhysicalExec.java
- \* tajo-catalog/tajo-catalog-common/src/main/java/org/apache/tajo/catalog/exception/AlreadyExistsFunctionExc
- \* tajo-core/tajo-core-storage/src/main/java/org/apache/tajo/storage/SeekableScanner.java
- \* tajo-core/tajo-core-backend/src/test/java/tajo/engine/planner/TestUniformRangePartition.java
- \* tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/master/SubQuery.java
- \* tajo-core/tajo-core-backend/src/main/java/tajo/engine/planner/logical/LimitNode.java
- \* tajo-core/tajo-core-backend/src/test/java/tajo/engine/planner/TestLogicalOptimizer.java
- $*\ tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/planner/physical/BNLJoinExec.java$
- \* tajo-common/src/test/java/tajo/common/type/TestTimeRange.java
- $*\ tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/planner/physical/LimitExec.java/org/apache/tajo/engine/physical/Ph$
- \* tajo-core/tajo-core-backend/src/main/proto/MasterWorkerProtos.proto
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10. hsaputra: This is awesome. Thanks for the good work guys!

 $<sup>\</sup>label{lem:core-backend/src/main/java/tajo/client/ResultSetUtil.java} $$$ tajo-core/tajo-core-backend/src/main/java/org/apache/tajo/engine/planner/physical/IndexWriteExec.java$