

git_comments:**git_commits:**

1. **summary:** HIVE-22228 SemanticAnalyzer cleanup - visibility + types (Miklos Gergely reviewed by Jesus Camacho Rodriguez)
message: HIVE-22228 SemanticAnalyzer cleanup - visibility + types (Miklos Gergely reviewed by Jesus Camacho Rodriguez)
label: code-design

github_issues:**github_issues_comments:****github_pulls:****github_pulls_comments:****github_pulls_reviews:****jira_issues:**

1. **summary:** SemanticAnalyzer cleanup - visibility + types
description: Cleaning up SemanticAnalyzer: * reduce the visibility of those functions/variables that are too wide, so their scope is clearer * modify the type of data structures, use interface instead of actual implementation (e.g. HashMap -> Map in variable declaration)

jira_issues_comments:

1. | (x) *{color:red}-1 overall{color}* | \ \ \ \ \ Vote \ \ Subsystem \ \ Runtime \ \ Comment \ \ \ \ \ {color:brown} Prechecks {color} \ \ | {color:green}+1{color} | {color:green} @author {color} | {color:green} 0m 0s{color} | {color:green} The patch does not contain any @author tags. {color} \ \ \ \ \ {color:brown} master Compile Tests {color} \ \ | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 1m 33s{color} | {color:blue} Maven dependency ordering for branch {color} \ \ | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 7m 2s{color} | {color:green} master passed {color} \ \ | {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 30s{color} | {color:green} master passed {color} \ \ | {color:green}+1{color} | {color:green} checkstyle {color} | {color:green} 1m 8s{color} | {color:green} master passed {color} \ \ | {color:blue}0{color} | {color:blue} findbugs {color} | {color:blue} 3m 53s{color} | {color:blue} ql in master has 1570 extant Findbugs warnings. {color} \ \ | {color:blue}0{color} | {color:blue} findbugs {color} | {color:blue} 0m 49s{color} | {color:blue} itests/util in master has 51 extant Findbugs warnings. {color} \ \ | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 14s{color} | {color:green} master passed {color} \ \ \ \ \ {color:brown} Patch Compile Tests {color} \ \ | {color:blue}0{color} | {color:blue} mvndep {color} | {color:blue} 0m 25s{color} | {color:blue} Maven dependency ordering for patch {color} \ \ | {color:green}+1{color} | {color:green} mvninstall {color} | {color:green} 1m 47s{color} | {color:green} the patch passed {color} \ \ | {color:green}+1{color} | {color:green} compile {color} | {color:green} 1m 33s{color} | {color:green} the patch passed {color} \ \ | {color:green}+1{color} | {color:green} javac {color} | {color:green} 1m 33s{color} | {color:green} the patch passed {color} \ \ | {color:red}-1{color} | {color:red} checkstyle {color} | {color:red} 0m 53s{color} | {color:red} ql: The patch generated 40 new + 1889 unchanged - 269 fixed = 1929 total (was 2158) {color} \ \ | {color:green}+1{color} | {color:green} whitespace {color} | {color:green} 0m 0s{color} | {color:green} The patch has no whitespace issues. {color} \ \ | {color:red}-1{color} | {color:red} findbugs {color} | {color:red} 4m 7s{color} | {color:red} ql generated 7 new + 1560 unchanged - 10 fixed = 1567 total (was 1570) {color} \ \ | {color:green}+1{color} | {color:green} javadoc {color} | {color:green} 1m 14s{color} | {color:green} the patch passed {color} \ \ \ \ \ {color:brown} Other Tests {color} \ \ | {color:green}+1{color} | {color:green} asflicense {color} | {color:green} 0m 13s{color} | {color:green} The patch does not generate ASF License warnings. {color} \ \ | {color:black}{color} | {color:black} {color} | {color:black} 29m 15s{color} | {color:black} {color} \ \ \ \ \ Reason \ \ Tests \ \ | FindBugs | module:ql \ \ | Possible null pointer dereference of RowSchema.signature on branch that might be infeasible in org.apache.hadoop.hive.ql.exec.RowSchema.equals(Object) Dereferenced at RowSchema.java:RowSchema.signature on branch that might be infeasible in org.apache.hadoop.hive.ql.exec.RowSchema.equals(Object) Dereferenced at RowSchema.java:[line 132] \ \ | The field org.apache.hadoop.hive.ql.parse.QBJoinTree.rhsSemijoin is transient but isn't set by deserialization In QBJoinTree.java:but isn't set by deserialization In QBJoinTree.java \ \ | tmp could be null and is guaranteed to be dereferenced in org.apache.hadoop.hive.ql.parse.SemanticAnalyzer.genColListRegex(String, String, ASTNode, List, Set, RowResolver, RowResolver, Integer, RowResolver, List, boolean) Dereferenced at SemanticAnalyzer.java:is guaranteed to be dereferenced in org.apache.hadoop.hive.ql.parse.SemanticAnalyzer.genColListRegex(String, String, ASTNode, List, Set, RowResolver, RowResolver, Integer, RowResolver, List, boolean) Dereferenced at SemanticAnalyzer.java:[line 3749] \ \ | Nullcheck of tmp at line 3707 of value previously dereferenced in org.apache.hadoop.hive.ql.parse.SemanticAnalyzer.genColListRegex(String, String, ASTNode, List, Set, RowResolver,

org.apache.hadoop.hive.ql.parse.SemanticAnalyzer.genColListRegex(String, String, ASTNode, List, Set, RowResolver, RowResolver, Integer, RowResolver, List, boolean) Dereferenced at SemanticAnalyzer.java:[line 3749] ||| Nullcheck of tmp at line 3707 of value previously dereferenced in
 org.apache.hadoop.hive.ql.parse.SemanticAnalyzer.genColListRegex(String, String, ASTNode, List, Set, RowResolver, RowResolver, Integer, RowResolver, List, boolean) At SemanticAnalyzer.java:3707 of value previously dereferenced in
 org.apache.hadoop.hive.ql.parse.SemanticAnalyzer.genColListRegex(String, String, ASTNode, List, Set, RowResolver, RowResolver, Integer, RowResolver, List, boolean) At SemanticAnalyzer.java:[line 3707] ||| Nullcheck of sampleExprs at line 11483 of value previously dereferenced in
 org.apache.hadoop.hive.ql.parse.SemanticAnalyzer.genTablePlan(String, QB) At SemanticAnalyzer.java:11483 of value previously dereferenced in
 org.apache.hadoop.hive.ql.parse.SemanticAnalyzer.genTablePlan(String, QB) At SemanticAnalyzer.java:[line 11483] ||| Nullcheck of rootTasks at line 306 of value previously dereferenced in
 org.apache.hadoop.hive.ql.parse.TaskCompiler.compile(ParseContext, List, Set, Set) At TaskCompiler.java:306 of value previously dereferenced in
 org.apache.hadoop.hive.ql.parse.TaskCompiler.compile(ParseContext, List, Set, Set) At TaskCompiler.java:[line 281] ||| Switch statement found in
 org.apache.hadoop.hive.ql.parse.authorization.HiveAuthorizationTaskFactoryImpl.createShowRoleGrantTask(ASTNode, Path, Set, Set) where default case is missing At HiveAuthorizationTaskFactoryImpl.java:Path, Set, Set) where default case is missing At HiveAuthorizationTaskFactoryImpl.java:[lines 94-102] ||| Subsystem || Report/Notes || Optional Tests | asflicense javac javadoc findbugs checkstyle compile || uname | Linux hiveptest-server-upstream 3.16.0-4-amd64 #1 SMP Debian 3.16.43-2+deb8u5 (2017-09-19) x86_64 GNU/Linux || Build tool | maven || Personality | /data/hiveptest/working/yetus_PreCommit-HIVE-Build-18684/dev-support/hive-personality.sh || git revision | master / 25f0fb4 || Default Java | 1.8.0_111 || findbugs | v3.0.1 || checkstyle | http://104.198.109.242/logs//PreCommit-HIVE-Build-18684/etetus/diff-checkstyle-ql.txt || findbugs | http://104.198.109.242/logs//PreCommit-HIVE-Build-18684/etetus/new-findbugs-ql.html || modules | C: ql itests/util U: . || Console output | http://104.198.109.242/logs//PreCommit-HIVE-Build-18684/etetus.txt || Powered by | Apache Yetus http://yetus.apache.org | This message was automatically generated.

4. Here are the results of testing the latest attachment: <https://issues.apache.org/jira/secure/attachment/12981020/HIVE-22228.01.patch> {color:green}SUCCESS:{color} +1 due to 2 test(s) being added or modified. {color:green}SUCCESS:{color} +1 due to 16833 tests passed Test results: <https://builds.apache.org/job/PreCommit-HIVE-Build/18684/testReport> Console output: <https://builds.apache.org/job/PreCommit-HIVE-Build/18684/console> Test logs: <http://104.198.109.242/logs/PreCommit-HIVE-Build-18684/> Messages: {noformat} Executing org.apache.hive.ptest.execution.TestCheckPhase Executing org.apache.hive.ptest.execution.PrePhase Executing org.apache.hive.ptest.execution.YetusPhase Executing org.apache.hive.ptest.execution.ExecutionPhase Executing org.apache.hive.ptest.execution.ReportingPhase {noformat} This message is automatically generated. ATTACHMENT ID: 12981020 - PreCommit-HIVE-Build

5. +1