

KYLIN-5394 Design & Test

Fix Design

`IPushDownRunner` 中新增一个带project参数的init 方法

新建 `DataSourceConfig` 类, 存储config的7个参数

`JdbcPushDownConnectionManager` 中新建参数

- `managerMap` , 用来保证一个项目只有一个最新的manager
- ```
1private static final Map<String, JdbcPushDownConnectionManager>
managerMap = Maps.newConcurrentMap();
```
- `dataSourceConfig` , 存储config的7个参数, `dataSourceConfig` 需要重写 `equals` 和 `hashCode`

修改 `getConnectionManager` 逻辑

- 若项目对应的manager为null 或 manager的 `dataSourceConfig` 与新参数不一致( `equals` 返回false), 则新创建manager并覆盖
- 否则直接返回项目对应的manager (若项目对应的manager存在且 7个参数没有修改)

## Test

项目test使用配置

| Key                                    | Value                                                  | 操作                                  |
|----------------------------------------|--------------------------------------------------------|-------------------------------------|
| kylin.job.max-concurrent-jobs          | 1                                                      | <a href="#">✎</a> <a href="#">🗑</a> |
| kylin.query.pushdown.runner-class-name | org.apache.kylin.query.pushdown.PushDownRunnerJdbcImpl | <a href="#">✎</a> <a href="#">🗑</a> |
| kylin.query.pushdown.jdbc.driver       | org.apache.hive.jdbc.HiveDriver                        | <a href="#">✎</a> <a href="#">🗑</a> |
| kylin.query.pushdown.jdbc.url          | jdbc:hive2://10.1.2.181:10000/default                  | <a href="#">✎</a> <a href="#">🗑</a> |
| kylin.query.pushdown.jdbc.username     | root                                                   | <a href="#">✎</a> <a href="#">🗑</a> |
| <div>&lt; 1 &gt;</div>                 |                                                        |                                     |

下压返回结果

test

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● 存储配额 ● 服务状态

🔍 ? 🌐 ADMIN

数据源

搜索数据库名或表名

数据源: Hive

➤ DEFAULT (Default)

➤ DATAFAKER\_TEST

查询编辑器

● query2 ● query1

关闭全部 已保存的查询(0)

1 select

2 \*

3 from

4 KYLIN\_ACCOUNT

5 LIMIT

6 500

保存 清空

☒ Limit 500

查询

Control / Command + Enter = 查询

查询结果

查询 ID: 4bea9bf4-1960-2489-2896-dc31f00e7da8

查询耗时: 1.3s

查询对象: RDBMS

查询节点: sandbox.hortonworks.com:7777

< 数据 可 >

筛选

导出 CSV

| kylin_account.account_id | kylin_account.account_buyer_level | kylin_account.account_seller_level | kylin_account.ac |
|--------------------------|-----------------------------------|------------------------------------|------------------|
| 10000000                 | 1                                 | 4                                  | FR               |
| 10000001                 | 0                                 | 1                                  | DE               |
| 10000002                 | 0                                 | 1                                  | IT               |
| 10000003                 | 4                                 | 2                                  | DE               |
| 10000004                 | 2                                 | 3                                  | JP               |

项目test2使用配置

| Key                                    | Value                                                  |
|----------------------------------------|--------------------------------------------------------|
| kylin.query.pushdown.runner-class-name | org.apache.kylin.query.pushdown.PushDownRunnerJdbcImpl |
| kylin.query.pushdown.jdbc.driver       | org.apache.hive.jdbc.HiveDriver                        |
| kylin.query.pushdown.jdbc.url          | jdbc:hive2://10.1.2.181:10000/default_test             |
| kylin.query.pushdown.jdbc.username     | root                                                   |

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下压返回结果正确

数据源

查询编辑器

query5 query4 query3 query2 query1

关闭全部 已保存的查询(0)

1 select \* from DEFAULT\_TEST.test\_account

保存 清空

Limit 500 查询

Control / Command + Enter = 查询

查询结果

查询 ID: e6344c0f-0ead-6c08-0008-c611980ff0b2 查询耗时: 0.79s

查询对象: RDBMS

查询节点: sandbox.hortonworks.com:7777

数据 可

test\_account.account\_id test\_account.account\_buyer\_level test\_account.account\_seller\_level test\_account.account

|          |   |   |    |
|----------|---|---|----|
| 10000000 | 3 | 2 | GB |
| 10000001 | 0 | 1 | GB |
| 10000002 | 4 | 4 | FR |
| 10000003 | 1 | 2 | FR |
| 10000004 | 4 | 0 | GE |

入参config参数与出参 manage参数一致

```
> manager.dataSource.url = "jdbc:hive2://10.1.2.181:10000/default_test"
> static members of JdbcPushDownConnectionManager
> p config = {KylinConfigExt@33853} "KylinConfig 1754050005 with base id: 679613617"
 > f overrides = {LinkedHashMap@33908} size = 7
 > "kylin.metadata.semi-automatic-mode" -> "false"
 > "kylin.query.metadata.expose-computed-column" -> "true"
 > "kylin.source.default" -> "9"
 > "kylin.query.pushdown.runner-class-name" -> "org.apache.kylin.query.pushdown.PushDownRunnerJdbcIn
 > "kylin.query.pushdown.jdbc.driver" -> "org.apache.hive.jdbc.HiveDriver"
 > "kylin.query.pushdown.jdbc.url" -> "jdbc:hive2://10.1.2.181:10000/default_test"
 > "kylin.query.pushdown.jdbc.username" -> "root"
 > f base = {KylinConfig@33909} "KylinConfig 679613617 with base id: 679613617"
 > f lock = {ReentrantLock@33910} "java.util.concurrent.locks.ReentrantLock@28eb7364[Unlocked]"
 > f singletons = {Singletons@33911}
```

SDK 下压测试

数据源

🔍 搜索数据库名或表名

- 数据源: mysql
- DEFAULT\_TEST

查询编辑器

query1

关闭全部 已保存的查询(0)

```
1 select
2 *
3 from
4 DEFAULT_TEST.TEST1
5 limit
6 500
```

保存 清空

☒ Limit 500

查询

Control / Command + Enter = 查询

查询结果

查询 ID: 1ba42407-a0c4-55ea-3360-dcfaee6758aa

查询耗时: 3.43s

查询对象: RDBMS

查询节点: sandbox.hortonworks.com:7777

< 数据 可 >

🔍 筛选...

导出 CSV

| L_orderkey | L_partkey | L_suppkey | L_linenumber | L_quantity | L_extendedprice | L_discount | L_tax |
|------------|-----------|-----------|--------------|------------|-----------------|------------|-------|
| 3503172    | 115730    | 3264      | 2            | 27         | 47134.71        | 0.08       | 0.01  |
| 4985602    | 194817    | 7337      | 3            | 45         | 86031.45        | 0.01       | 0.05  |
| 4165986    | 13157     | 5659      | 3            | 48         | 51367.20        | 0.02       | 0.01  |
| 3848448    | 98342     | 3361      | 3            | 40         | 53613.60        | 0.06       | 0.07  |
| 1538113    | 3017      | 5518      | 1            | 37         | 34040.37        | 0.01       | 0.00  |
| 3076932    | 196774    | 1813      | 5            | 43         | 80443.11        | 0.05       | 0.02  |