

Package ‘ResultModelManager’

August 29, 2022

Title Result Model Manager (RMM) for OHDSI packages

Version 0.0.0.9000

Description Database data model management utilities for OHDSI packages.

License Apache 2.0

Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.2.0

Depends R6,
DatabaseConnector

Imports SqlRender,
ParallelLogger,
checkmate

Suggests testthat (>= 3.0.0),
RSQLite

Config/testthat/edition 3

R topics documented:

DataMigrationManager [1](#)

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| DataMigrationManager | <i>DataMigrationManager (DMM)</i> |
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Description

R6 class for management of database migration

Value

data frame all migrations, including file name, order and execution status
Check migrations in folder

Public fields

migrationPath Path migrations exist in
 databaseSchema Path migrations exist in
 packageName packageName, can be null
 tablePrefix packageName, can be null

Methods**Public methods:**

- `DataMigrationManager$new()`
- `DataMigrationManager$migrationTableExists()`
- `DataMigrationManager$getMigrationsPath()`
- `DataMigrationManager$getStatus()`
- `DataMigrationManager$check()`
- `DataMigrationManager$test()`
- `DataMigrationManager$executeMigrations()`
- `DataMigrationManager$isPackage()`
- `DataMigrationManager$finalize()`
- `DataMigrationManager$clone()`

Method new():*Usage:*

```
DataMigrationManager$new(
  connectionDetails,
  databaseSchema,
  tablePrefix = "",
  migrationPath,
  packageName = NULL,
  migrationRegexp = .defaultMigrationRegexp
)
```

Arguments:

connectionDetails DatabaseConnector connection details object
 databaseSchema Database Schema to execute on
 tablePrefix Optional table prefix for all tables (e.g. plp, cm, cd etc)
 migrationPath Path to location of migration sql files. If in package mode, this should just be a folder (e.g. "migrations") that lives in the location "sql/sql_server" (and) other database platforms. If in folder model, the folder must include "sql_server" in the relative path, (e.g if migrationPath = 'migrations' then the folder 'migrations/sql_server' should exists)
 packageName If in package mode, the name of the R package
 migrationRegexp (Optional) regular expression pattern default is `(Migration_([0-9]+))-(.+)\.sql`
 Migration table exists

Method migrationTableExists(): Check if migration table is present in schema*Usage:*

```
DataMigrationManager$migrationTableExists()
```

Returns: boolean Get path of migrations

Method getMigrationsPath(): Get path to sql migration files

Usage:

DataMigrationManager\$getMigrationsPath(dbms = "sql server")

Arguments:

dbms Optionally specify the dbms that the migration fits under Get status of result model

Method getStatus(): Get status of all migrations (executed or not)

Usage:

DataMigrationManager\$getStatus()

Method check(): Check if file names are valid for migrations Execute Migrations

Usage:

DataMigrationManager\$check()

Method test():

Usage:

DataMigrationManager\$test()

Method executeMigrations(): Execute any unexecuted migrations isPackage

Usage:

DataMigrationManager\$executeMigrations()

Method isPackage(): is a package folder structure or not finalize

Usage:

DataMigrationManager\$isPackage()

Method finalize(): close database connection

Usage:

DataMigrationManager\$finalize()

Method clone(): The objects of this class are cloneable with this method.

Usage:

DataMigrationManager\$clone(deep = FALSE)

Arguments:

deep Whether to make a deep clone.