Package 'Tantalus'

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Type Package

Title A Tool For Comparing Different Versions of the Vocabulary

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Author Erica Voss [aut, cre],
Clair Blacketer [aut],
Martijn Schuemie [aut],
Anthony Molinaro [aut]

Maintainer Erica Voss <evoss3@its.jnj.com>, Anthony Molinaro <amolin19@its.jnj.com>

Description Todo

License Apache License 2.0

VignetteBuilder knitr

Depends DatabaseConnector

Imports SqlRender,
shiny,
DT,
stringdist,
jsonlite

NeedsCompilation no

RoxygenNote 6.0.1

R topics documented:

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compareVocabData   *Compare two vocabularies*

Description

This function enables you to compare two vocabularies at the row level.

Usage

```
compareVocabData(connectionDetails, cdmDatabaseSchema,
  oldVocabularyDatabaseSchema = cdmDatabaseSchema,
  newVocabularyDatabaseSchema, findPrevalences = FALSE,
  oracleTempSchema = NULL)
```

Arguments

connectionDetails

> An R object of type
> connectionDetails created using the function createConnectionDetails in
> the DatabaseConnector package.

cdmDatabaseSchema

> The name of the database schema that contains the OMOP CDM instance. Requires read permissions to this database. On SQL Server, this should specifiy both the database and the schema, so for example 'cdm_instance.dbo'.

oldVocabularyDatabaseSchema

> The name of the database schema that contains the old vocabulary instance. Requires read permissions to this database. On SQL Server, this should specifiy both the database and the schema, so for example 'cdm_vocab.dbo'.

newVocabularyDatabaseSchema

> The name of the database schema that contains the ewvocabulary instance. Requires read permissions to this database. On SQL Server, this should specifiy both the database and the schema, so for example 'cdm_vocab.dbo'.

findPrevalences

> A boolean flag to indicate whether or not run FetchPrevalences.sql

oracleTempSchema

> For Oracle only: the name of the database schema where you want all temporary tables to be managed. Requires create/insert permissions to this database.

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createDiffSummary   *Generate a (numeric) summary of differences between two specified vocabularies.*

Description

This function finds high level differences between two specified vocabularies (essentially sql COUNT comparison queries). The results of the queries are written to a JSON file and converted to html via inst/reports/GenerateDiffReport.Rmd. The summary report, diffSummary.html will be created in JSONFileLoc unless otherwise specified.

Usage

```
createDiffSummary(connectionDetails, oldVocabularyDatabaseSchema,
    newVocabularyDatabaseSchema, JSONFileLoc, reportFileLoc = JSONFileLoc,
    oracleTempSchema = NULL)
```

Arguments

`connectionDetails`

> An R object of type `connectionDetails` created using the function `createConnectionDetails` in the `DatabaseConnector` package.

`oldVocabularyDatabaseSchema`

> The name of the database schema that contains the old vocabulary instance. Requires read permissions to this database. On SQL Server, this should specify both the database and the schema, so for example 'cdm_vocab.dbo'.

`newVocabularyDatabaseSchema`

> The name of the database schema that contains the new vocabulary instance. Requires read permissions to this database. On SQL Server, this should specify both the database and the schema, so for example 'cdm_vocab.dbo'.

`JSONFileLoc`   Location of the JSON file created by the function.

`reportFileLoc`   Location of the html report, defaults to JSONFileLoc.

`oracleTempSchema`

> For Oracle only: the name of the database schema where you want all temporary tables to be managed. Requires create/insert permissions to this database.

Details

In an effort to assess the vocabulary proper (rather than the entire CDM), only the following tables are considered: 1. CONCEPT 2. CONCEPT_SYNONYM 3. CONCEPT_ANCESTOR 4. CONCEPT_RELATIONSHIP 5. CONCEPT_CLASS 6. DOMAIN 7. RELATIONSHIP

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launchComparisonExplorer

Launch the comparison explorer

Description

Launch the comparison explorer

Usage

```
launchComparisonExplorer(results, launch.browser = TRUE)
```

Arguments

`results`   The data object created by the [compareVocabularies](#).

`launch.browser` Should the app be launched in your default browser (TRUE), or in a Shiny window (FALSE)?

Details

Launches a Shiny app that allows the user to explore the results of a vocabulary comparison.

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