Package ‘connections’

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Title   Integrates with the 'RStudio' Connections Pane and 'pins'

Version 0.2.0

Description Enables 'DBI' compliant packages to integrate with the 'RStudio' connections pane, and the 'pins' package. It automates the display of schemata, tables, views, as well as the preview of the table's top 1000 records.

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Imports DBI, methods, pins, dplyr, dbplyr, uuid, rscontract

Suggests RSQLite, testthat (>= 3.0.0), covr

Encoding UTF-8

RoxygenNote 7.2.3


BugReports https://github.com/rstudio/connections/issues

Config/testthat/edition 3

Config/Needs/website tidyverse/tidytemplate

NeedsCompilation no

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Repository CRAN

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R topics documented:

  connection_close .................................................. 2
  connection_code ................................................... 2
  connection_open .................................................... 3
  connection_pin_read ................................................ 3
  connection_pin_write ............................................... 4
  connection_update .................................................. 4
  connection_view .................................................... 5
connection_close

Close a connection

Usage

connection_close(con, host = "", type = "", leave_open = FALSE)

Arguments

con Connection variable
host Host name of the connection. Optional, defaults to empty
type Type of connection. Optional, defaults to empty
leave_open Should the connection be left open. Defaults to FALSE

Value

Returns a NULL object. If using the RStudio IDE, it will attempt to close the connection identified by the ‘host’ and ‘type’ arguments, or the con object

Examples

library(DBI)
con <- connection_open(RSQLite::SQLite(), path = "::dbname:")
connection_close(con)
con

connection_code

Displays the code that will be used to recreate the connection

Description

Displays the code that will be used to recreate the connection

Usage

connection_code(con)

Arguments

con A ‘connConnection‘ object
connection_open

**Value**

It prints out the lines of code that this package will use to reconnect to the database.

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**Description**

Opens a connection

**Usage**

`connection_open(..., open_pane = TRUE)`

**Arguments**

- `...` Passes arguments to wrapped connection function
- `open_pane` Signals for the RStudio Connections pane to open. Defaults to TRUE.

**Value**

Returns a NULL object. If using the RStudio IDE, it will attempt to open the connection

**Examples**

```r
library(DBI)
con <- connection_open(RSQLite::SQLite(), path = ":dbname:")
con
connection_close(con)
```

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connection_pin_read  
*Retrieves a database connection or query from a board*

**Description**

Retrieves a database connection or query from a board

**Usage**

`connection_pin_read(board, name, version = NULL)`

**Arguments**

- `board` A ‘pins’ board object
- `name` The name of the pin
- `version` The version of the pin to get (optional)
connection_update

Value

It will return either the database connection, or the remote table from a database.

connection_pin_write  Writes a database connection or query to a board

Description

Writes a database connection or query to a board

Usage

connection_pin_write(board, x, ...)

Arguments

board  A ‘pins’ board object
x  A ‘connections’ table or database connection
...  Additional arguments to pass to ‘pins::pin_write()’

Value

It returns no output.

connection_update  Refreshes a connection

Description

Refreshes a connection

Usage

connection_update(con, hint = “”)

Arguments

con  Connection variable
hint  Optional argument passed to the Contract

Value

Returns a NULL object. If using the RStudio IDE, it will attempt to refresh the connection identified by attributes of the con object
connection_view

Examples

```r
library(DBI)
con <- connection_open(RSQLite::SQLite(), path = "::dbname:"
connection_update(con)
connection_close(con)
```

Description

Populates the RStudio Connection viewer

Usage

```r
connection_view(
  con,
  connection_code = ",",
  host = ",",
  name = ",",
  connection_id = ","
)
```

Arguments

- `con`: Connection variable
- `connection_code`: Text of code to connect to the same source
- `host`: Name of Host of the connection
- `name`: Connection name
- `connection_id`: Unique ID of the connection for the current session

Value

It populates the RStudio Connections pane. It returns nothing to the console or session.

Examples

```r
library(DBI)
con <- connection_open(RSQLite::SQLite(), path = "::dbname:"
connection_view(con)
connection_close(con)
```
Index

connection_close, 2
connection_code, 2
connection_open, 3
connection_pin_read, 3
connection_pin_write, 4
connection_update, 4
connection_view, 5