

Package: connections (via r-universe)

September 14, 2024

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

LazyData true

RoxygenNote 7.2.3

URL <https://github.com/rstudio/connections>,
<https://rstudio.github.io/connections/>

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

Config/testthat/edition 3

Config/Needs/website tidyverse/tidytemplate

Repository <https://rstudio.r-universe.dev>

RemoteUrl <https://github.com/rstudio/connections>

RemoteRef HEAD

RemoteSha 26c2bc32b9d7c460357711c1cb42d90dd35b66bd

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connection_close	<i>Close a connection</i>
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Description

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	<i>Displays the code that will be used to recreate the connection</i>
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Description

Displays the code that will be used to recreate the connection

Usage

```
connection_code(con)
```

Arguments

con	A ‘connConnection’ object
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Value

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

connection_open	<i>Opens a connection</i>
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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

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

connection_pin_read	<i>Retrieves a database connection or query from a board</i>
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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)

Value

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

connection_pin_write	<i>Writes a database connection or query to a board</i>
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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	<i>Refreshes a connection</i>
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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

Examples

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

connection_view	<i>Populates the RStudio Connection viewer</i>
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Description

Populates the RStudio Connection viewer

Usage

```
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

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

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