

# Package: connections (via r-universe)

October 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.

**License** MIT + file LICENSE

**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
```

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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.

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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)
```

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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.

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connection\_pin\_write    *Writes a database connection or query to a board*

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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.

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connection\_update    *Refreshes a connection*

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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)
```

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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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