Package 'valet'

October 12, 2022

Type Package

Title Provide R Client to the Bank of Canada's Valet API

Version 0.9.0

Description The Bank of Canada updated their Valet API
<https://www.bankofcanada.ca/valet/docs>, and no R client
currently exists. This provides access to all of Valet's endpoints
and serves responses in wide format easy for researchers to
handle but also provides tools to access API responses as a list.

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URL runkelcorey.github.io/valet

Encoding UTF-8

RoxygenNote 7.1.2

Imports magrittr, httr, dplyr, readr, purrr, jsonlite

Suggests rmarkdown, knitr, testthat (>= 3.0.0)

Config/testthat/edition 3

NeedsCompilation no

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Repository CRAN

Date/Publication 2022-04-12 08:10:02 UTC

R topics documented:

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get_details *Get series or series-group details*

Description

get_details returns metadata from a Bank of Canada series or series group.

Usage

```
get_details(name = NULL, group = FALSE)
```

Arguments

name	A character of length 1 indicating the series or series group for which information should be retrieved.
group	A Boolean indicating whether the name is a series or a series group.

Value

A list of series or group details.

Examples

```
get_details("CES_C4E_LOSE_JOB_SK")
## Not run:
get_details("BAPF_TRANSACTION_DATA")

## End(Not run)
get_details("BAPF_TRANSACTION_DATA", group = TRUE)
```

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get_group *Get series-group observations*

Description

get_group returns observations from a Bank of Canada series group.

Usage

```
get_group(name = NULL, ...)
```

Arguments

name	A character of length 1 indicating the series group to retrieve.
...	Additional query parameters. Possible values are start_date and/or end_date (both character), or one of recent, recent_weeks, recent_months, or recent_years (all numeric).

Details

Valet, the server-side API, does not always return observations filtered by **...** arguments for series groups, even if it will accept the request.

Value

A `tibble`.

Examples

```
get_group("BAPF_TRANSACTION_DATA")
get_group("gbpp")

## Not run:
#this is a series
get_group("FXCADAUD")

## End(Not run)
```

---

get_list   *List possible series or groups.*

Description

`get_list` returns metadata about all Bank of Canada series or series groups.

Usage

```
get_list(type = c("series", "groups"))
```

Arguments

type   Either `series` or `groups`.

Value

A `tibble` of series or group information.

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get_series   *Get series observations*

Description

get_series returns observations from one or more Bank of Canada series, subject to some date
filtering.

Usage

```
get_series(name = NULL, ...)
```

Arguments

name   A character of at least length 1 indicating the series to retrieve.

...   Additional query parameters. Possible values are start_date and/or end_date
                  (both character), or one of recent, recent_weeks, recent_months, or recent_years
                  (all numeric).

Value

A tibble of size $length(name) + 1$.

Examples

```
get_series("FXCADAUD")

## Not run:
#this is a group
get_series("BAPF")

## End(Not run)
```

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valet   *Retrieve Valet response*

Description

valet is the core back-end to get responses from the Bank of Canada API.

Usage

```
valet(name = NULL, group = FALSE, ...)
```

Arguments

name	A character of at least length 1 indicating the series or series group to retrieve.
group	Boolean indicating whether the name is a series or a series group.
...	Query parameters from other methods.

Value

A valet object.

Examples

```
valet(name = "GBPP", group = TRUE, recent_weeks = 2)
```

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