

Package ‘freecurrencyapi’

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Title Client for the 'freecurrencyapi.com' Currency Conversion API

Version 0.1.0

Description An R client for the 'freecurrencyapi.com' currency conversion API. The API requires registration of an API key. You can find the full API documentation at <https://freecurrencyapi.com/docs>.

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Encoding UTF-8

URL <https://freecurrencyapi.com>, <https://freecurrencyapi.com/docs>

RoxygenNote 7.2.3

Imports httr, jsonlite

Suggests knitr, rmarkdown, testthat (>= 3.0.0)

Config/testthat/edition 3

VignetteBuilder knitr

NeedsCompilation no

Author Dominik Kukacka [aut, cre]

Maintainer Dominik Kukacka <dominik@everapi.com>

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freecurrencyapi_api_key

Freecurrencyapi API Key

Description

freecurrencyapi.com requires authentication via an API key. For this package, the API key is saved as a environmental variable. In interactive mode, using `freecurrencyapi_api_key` will require you to enter an API key. Alternatively, you can also use `Sys.setenv(FREECURRENCYAPI_API_KEY = <key>)` to set the API key manually.

Usage

```
freecurrencyapi_api_key(force = FALSE)
```

Arguments

force	If TRUE, resets the API key & requires the user to provide a new API key. If FALSE and an API key already exists, the key will be printed to the console. If no key exists, you will be required to enter a key. force. Defaults to FALSE.
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Value

Returns the set API key that has been stored as an enviroment variable.

get_api_status

Get the current status of the API.

Description

Get the current status of the API.

Usage

```
get_api_status()
```

Value

Returns your current quota. Requests to this endpoint do not count against your quota or rate limit.

get_historical_exchange_rates

Get historical exchange rates for a specific date for a single or multiple currencies.

Description

Get historical exchange rates for a specific date for a single or multiple currencies.

Usage

```
get_historical_exchange_rates(date, base_currency = NULL, currencies = NULL)
```

Arguments

- date (required) Date to retrieve historical rates from (format: 2021-12-31)
- base_currency The base currency for the conversion (e.g., "USD")
- currencies A list of comma separated currency codes which you want to get (EUR,USD,CAD)
By default all available currencies will be shown

Value

Returns exchange rates for a given time range. Generally, we provide data going back to 1999.

get_latest_exchange_rates

Get exchange rate from the Freecurrencyapi.com API

Description

Get exchange rate from the Freecurrencyapi.com API

Usage

```
get_latest_exchange_rates(base_currency = NULL)
```

Arguments

- base_currency The base currency for the conversion (e.g., "USD")

Value

Returns the latest currency exchange rates.

`get_supported_currencies`*Get the current status of the API.*

Description

Get the current status of the API.

Usage

```
get_supported_currencies(currencies = NULL)
```

Arguments

`currencies` (required) A list of comma separated currency codes which you want to get (EUR,USD,CAD) By default all available currencies will be shown.

Value

Returns all our supported currencies.

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