

Package ‘currencyapi’

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

Version 0.1.0

Description An R client for the 'currencyapi.com' currency conversion API. The API requires registration of an API key. Basic features are free, some require a paid subscription. You can find the full API documentation at <<https://currencyapi.com/docs>> .

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Encoding UTF-8

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

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Imports httr, jsonlite

Suggests knitr, rmarkdown, testthat (>= 3.0.0)

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Author Dominik Kukacka [aut, cre]

Maintainer Dominik Kukacka <dominik@everapi.com>

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convert_exchange_rates

Convert a value to a specific range of other currencies from the Currencyapi.com API. Retrieve the latest exchange rate data or for a specific historic date.

Description

Convert a value to a specific range of other currencies from the Currencyapi.com API. Retrieve the latest exchange rate data or for a specific historic date.

Usage

```
convert_exchange_rates(
  value,
  date = NULL,
  base_currency = NULL,
  currencies = NULL
)
```

Arguments

value	(required) The value you want to convert
date	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 calculated values for today or any given date for all or a specific set of currencies.

currencyapi_api_key *Currencyapi API Key*

Description

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

Usage

```
currencyapi_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.

Value

Returns the set API key that has been stored as an environment 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_date_range_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_date_range_historical_exchange_rates(  
  datetime_start,  
  datetime_end,  
  accuracy = NULL,  
  base_currency = NULL,  
  currencies = NULL  
)
```

Arguments

datetime_start	(required) Datetime for the start of your requested range (format: 2021-12-31T23:59:59Z / ISO8601 Datetime)
datetime_end	(required) Datetime for the end of your requested range (format: 2021-12-31T23:59:59Z / ISO8601 Datetime)
accuracy	The accuracy you want to receive; Possible Values: day, hour, quarter_hour, minute; Default: day For valid time ranges see below
base_currency	The base currency for the conversion (e.g., "USD")
currencies	A list of comma seperated 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_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 seperated 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 Currencyapi.com API

Description

Get exchange rate from the Currencyapi.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 seperated 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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