

# Package: freecurrencyapi (via r-universe)

September 7, 2024

**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>.

**License** MIT + file LICENSE

**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

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**Date/Publication** 2023-05-10 13:40:02 UTC

**Repository** <https://dominikkukacka.r-universe.dev>

**RemoteUrl** <https://github.com/cran/freecurrencyapi>

**RemoteRef** HEAD

**RemoteSha** 758c799d4a3476d8f6ebd49cdce93dbfc8b3a3b9

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```
freecurrencyapi_api_key
```

*Freecurrencyapi API Key*

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### Description

[freecurrencyapi.com](https://freecurrencyapi.com) requires authentication via an API key. For this package, the API key is saved as an 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

<code>force</code>	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. Defaults to FALSE.
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### Value

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

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```
get_api_status
```

*Get the current status of the API.*

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### 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.

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`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**

<code>date</code>	(required) Date to retrieve historical rates from (format: 2021-12-31)
<code>base_currency</code>	The base currency for the conversion (e.g., "USD")
<code>currencies</code>	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.

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`get_latest_exchange_rates`

*Get exchange rate from the Freecurrencyapi.com API*

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**Description**

Get exchange rate from the Freecurrencyapi.com API

**Usage**

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

**Arguments**

<code>base_currency</code>	The base currency for the conversion (e.g., "USD")
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**Value**

Returns the latest currency exchange rates.

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`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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