

Package ‘ROpenFIGI’

July 21, 2025

Type Package

Title R Interface to OpenFIGI

Version 0.2.8

Author Ruokun Huang <hruokun.2008@gmail.com>

Maintainer Ruokun Huang <hruokun.2008@gmail.com>

Description Provide a simple interface to Bloomberg's OpenFIGI API. Please see <<https://openfigi.com>> for API details and registration. You may be eligible to have an API key to accelerate your loading process.

License GPL (>= 3)

LazyData TRUE

URL <https://github.com/HuangRicky/ROpenFIGI>

Imports httr, jsonlite

Suggests testthat, dplyr

RoxygenNote 5.0.1

NeedsCompilation no

Repository CRAN

Date/Publication 2016-06-04 08:38:44

Contents

OpenFIGI	2
OpenFIGI_assignadditionalcols	2
OpenFIGI_MappingCreator	3
ROpenFIGI	4
sampleOpenFIGIdf	4
showFIGIIDType	5

Index	6
--------------	----------

OpenFIGI	<i>OpenFIGI main function</i>
----------	-------------------------------

Description

OpenFIGI main function

Usage

```
OpenFIGI(input, apikey = NULL,
         openfigiurl = "https://api.openfigi.com/v1/mapping", preferdf = F)
```

Arguments

input	input data.frame or json, and others that can be feed into toJSON
apikey	your API key
openfigiurl	Bloomberg's OpenFIGI URL, please see https://openfigi.com/api
preferdf	if only supply 1 input, do you prefer to see the data.frame directly

Details

you may need to `setInternet2()` or set up proxy if needed

Value

a list of data.frame, of a data.frame if preferdf=T and only 1 request

Examples

```
## Not run:
  setInternet2()
  figfirst = OpenFIGI(sampleOpenFIGIdf())

## End(Not run)
```

OpenFIGI_assignadditionalcols	<i>Assign addition cols</i>
-------------------------------	-----------------------------

Description

Assign addition cols

Usage

```
OpenFIGI_assignadditionalcols(rst1, additioncols)
```

Arguments

rst1 a result list

additioncols additional columns you would like to include in the data.frame

Details

internal function

Value

a data.frame with new columns

OpenFIGI_MappingCreator

Create mapping table out of OpenFIGI

Description

Create mapping table out of OpenFIGI

Usage

```
OpenFIGI_MappingCreator(input, apikey = NULL,
  openfigiurl = "https://api.openfigi.com/v1/mapping",
  additioncols = c("ID_ISIN", "ID_BB_UNIQUE", "ID_SEDOL", "ID_COMMON",
    "ID_WERTPAPIER", "ID_CUSIP", "ID_BB", "ID_ITALY", "ID_EXCH_SYMBOL",
    "ID_FULL_EXCHANGE_SYMBOL", "COMPOSITE_ID_BB_GLOBAL",
    "ID_BB_GLOBAL_SHARE_CLASS_LEVEL", "ID_BB_SEC_NUM_DES", "ID_BB_GLOBAL",
    "TICKER", "ID_CUSIP_8_CHR", "OCC_SYMBOL", "UNIQUE_ID_FUT_OPT", "OPRA_SYMBOL",
    "TRADING_SYSTEM_IDENTIFIER"))
```

Arguments

input input data.frame or json, and others that can be feed into toJSON

apikey your API key

openfigiurl Bloomberg's OpenFIGI URL, please see <https://openfigi.com/api>

additioncols additional columns you would like to include in the data.frame

Details

assigning ISIN, CUSIP and other columns needed. Requires dplyr package to bind rows.

Value

a data.frame

Examples

```
## Not run:  
  setInternet2()  
  figfirst = OpenFIGI_MappingCreator(sampleOpenFIGIdf())  
  
## End(Not run)
```

ROpenFIGI*ROpenFIGI*

Description

ROpenFIGI

Details

Provide a simple interface to OpenFIGI by Bloomberg. parse data into data.frame

Author(s)

Ruokun Huang <hruokun.2008@gmail.com>

Maintainer: Ruokun Huang <hruokun.2008@gmail.com>

sampleOpenFIGIdf*Generate a Sample data.frame for FIGI request*

Description

Generate a Sample data.frame for FIGI request

Usage

```
sampleOpenFIGIdf()
```

Value

a data.frame of sample request

showFIGIIDType	<i>Generate FIGI Supported Identifiers</i>
----------------	--

Description

Generate FIGI Supported Identifiers

Usage

showFIGIIDType()

Value

a char vector

Index

OpenFIGI, [2](#)
OpenFIGI_assignadditionalcols, [2](#)
OpenFIGI_MappingCreator, [3](#)

ROpenFIGI, [4](#)
ROpenFIGI-package (ROpenFIGI), [4](#)

sampleOpenFIGIdf, [4](#)
showFIGIIDType, [5](#)