Package ‘ROpenFIGI’

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Type Package
Title R Interface to OpenFIGI
Version 0.2.8
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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
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OpenFIGI

OpenFIGI main function

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()
figirst = OpenFIGI(sampleOpenFIGIdf())

## End(Not run)
```

OpenFIGI_assignadditionalcols

Assign addition cols

Description
Assign addition cols

Usage

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

Arguments

rstQ 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_&_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

```r
## Not run:
setInternet2()
figirst = OpenFIGI_MappingCreator(sampleOpenFIGIdf())

## End(Not run)
```

### ROpenFIGI

**Description**

ROpenFIGI

**Details**

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

**Author(s)**

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### sampleOpenFIGIdf

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

**Description**

Generate a Sample data.frame for FIGI request

**Usage**

```r
sampleOpenFIGIdf()
```

**Value**

a data.frame of sample request
showFIGIIDType  Generate FIGI Supported Identifiers

Description

Generate FIGI Supported Identifiers

Usage

showFIGIIDType()

Value

a char vector
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