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

RoxygenNote 5.0.1

NeedsCompilation no

Repository CRAN

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R topics documented:

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)
```

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

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

Value

a data.frame

Examples

```
## Not run:
  setInternet2()
  figirst = 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)

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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	*Generate FIGI Supported Identifiers*

Description

Generate FIGI Supported Identifiers

Usage

```
showFIGIIDType()
```

Value

a char vector

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