

# 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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OpenFIGI                      *OpenFIGI main function*

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**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 <a href="https://openfigi.com/api">https://openfigi.com/api</a>
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

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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 toJSONN  
 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()
  figirst = OpenFIGI_MappingCreator(sampleOpenFIGIdf())

## End(Not run)
```

---

ROpenFIGI

*ROpenFIGI*


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**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*


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**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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