

# Package ‘openbankeR’

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**Type** Package

**Title** R Client for Querying the UK 'Open Banking' ('Open Data') API

**Version** 0.1.1

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**Description** Creates a client with queries for the UK 'Open Banking' ('Open Data') API.

**URL** <https://github.com/nik01010/openbankeR>

**BugReports** <https://github.com/nik01010/openbankeR/issues>

**Depends** R (>= 3.2.3)

**Imports** httr, httpcode, jsonlite, dplyr, magrittr, tidyr, glue

**Suggests** testthat, linter, knitr, rmarkdown, covr

**License** GPL-3

**Encoding** UTF-8

**RoxygenNote** 7.1.2

**VignetteBuilder** knitr

**NeedsCompilation** no

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**Repository** CRAN

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## R topics documented:

CreateOpenBankingClient . . . . .	2
openbankeR . . . . .	3
<b>Index</b>	<b>4</b>

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`CreateOpenBankingClient`*CreateOpenBankingClient*

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### Description

Creates a new Open Banking (Open Data) API client with convenient queries

### Usage

```
CreateOpenBankingClient(  
    bankDetails = "default",  
    version = "latest",  
    timeOutSeconds = 15  
)
```

### Arguments

<code>bankDetails</code>	optional. Bank details list to use. When set to "default", the bank details will be taken from the below URL: <a href="https://github.com/OpenBankingUK/opendata-api-spec-compiled/blob/master/participant_store.json">https://github.com/OpenBankingUK/opendata-api-spec-compiled/blob/master/participant_store.json</a> Otherwise, the user can provide a custom list of bank details.
<code>version</code>	optional. Which version of the API to use. Defaults to "latest". When set to "latest", the version used will be the latest available for the selected bank and instrument. The latest available version information will be derived from the bank details table above. Alternatively, the user can supply a manually set version such as "v2.3"
<code>timeOutSeconds</code>	optional. Number of seconds before a request times out. Defaults to 15 seconds

### Value

Object of type `OpenBankingClient` with methods for querying the API

### Available client fields

- **BankDetails:** The default table of bank details used to query the API.

### Available client queries

- **GetAvailableBanks:** Get a list of banks that report the API.
- **GetAvailableInstruments:** Get a list of instruments reported via the API.
- **GetRawData:** Get raw data using the API for a given bank and instrument.

## Examples

```
library(openbankeR)

openBankingClient <- openbankeR::CreateOpenBankingClient()

bankDetails <- openBankingClient$BankDetails

availableBanks <- openBankingClient$GetAvailableBanks()
availableInstruments <- openBankingClient$GetAvailableInstruments()

bankName <- "HSBC Group"
instrument <- "branches"

rawData <- openBankingClient$GetRawData(
  bankName = bankName,
  instrument = instrument
)
```

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openbankeR	<i>openbankeR: a package for querying the UK Open Banking (Open Data) API</i>
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## Description

The openbankeR package provides two main features:

- Create an R client for the API
- Extract raw data from the API using convenient queries

## Available functions

The available functions are:

- [CreateOpenBankingClient](#): Creates a client for querying the API

# Index

CreateOpenBankingClient, [2](#), [3](#)

openbankeR, [3](#)