

Package ‘RTTWebClient’

July 21, 2025

Type Package

Title Web Client to 'TickTrader'

Version 0.1.3

Description R Web Client to 'TickTrader' platform. Provides you access to 'TickTrader' platform through Web API <<https://ttlivewebapi.fxopen.net:8443/api/doc/index>>.

Depends R (>= 3.3.0)

License GPL-2

Encoding UTF-8

Imports data.table, jsonlite, httr, digest, base64enc, methods, withr

RoxygenNote 7.1.2

Suggests spelling, knitr, rmarkdown, testthat, lubridate, vcr

VignetteBuilder knitr

Language en-US

NeedsCompilation no

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Repository CRAN

Date/Publication 2022-02-08 10:00:02 UTC

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GetBarsHistory

Get Bar History

Description

Get Bar History

Arguments

symbol	a character. Symbol Name.
barsType.	a character. Bars Type. One from c("Ask", "Bid").
periodicity.	a character. Periodicity. From c("S1", "S10", "M1", "M5", "M15", "M30", "H1", "H4", "D1", "W1", "MN1")
startTime	a POSIXct obj. Start Time in UTC.
endTime	a POSIXct obj. End Time in UTC.
count.	Integer. Count of returned Bars from startTime. Max is 1000. Can be negative. If count == 0, use time interval between startTime and endTime.

Value

data.table with Bar Info

GetCurrencyInfo

Get All Currency

Description

Get All Currency

Value

data.table with currency info

GetCurrentQuotes

Get All Current Quotes

Description

Get All Current Quotes

Value

a data.table with current quotes

GetDividends	<i>Get All Dividend</i>
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Description

Get All Dividend

Value

a data.table with dividends.

GetPipsValue	<i>Get Pips Value</i>
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Description

Get Pips Value

Arguments

targetCurrency a character. Currency Name.

symbols a character vectors. Symbols vector.

Value

a data.table with pips value in targetCurrency for every symbol in symbols vector

GetSymbolsInfo	<i>Get All Symbols</i>
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Description

Get All Symbols

Value

data.table with symbol info

GetTickHistory	<i>Get Ticks History</i>
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Description

Get Ticks History

Arguments

symbol.	A character. Symbol Name.
startTime	a POSIXct obj. Start Time in UTC.
endTime	a POSIXct obj. End Time in UTC.
count.	Integer. Count of returned Ticks from startTime. Max is 1000. Can be negative. If count == 0, use time interval between startTime and endTime.

Value

data.table with Ticks Info.

InitRTTWebApiHost	<i>Init RTTWebApiHost</i>
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Description

Init RTTWebApiHost

Usage

```
InitRTTWebApiHost(
  server = "ttlivewebapi.fxopen.com",
  port = 8443L,
  id = NULL,
  key = NULL,
  secret = NULL
)
```

Arguments

server	a character. Web Address.
port	an integer. Port Number. Default is 8443
id	a character. HMAC client id.
key	a character. HMAC client key.
secret	a character. HMAC secret key.

Value

RTTWebApiHost ref class.

RTTWebApiHost	<i>RTTWebApiHost</i>
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Description

RTTWebApiHost

Fields

client. RTTWebClient obj.

Methods

- GetBarsHistory(symbol, barsType = "Bid", periodicity = "M1", startTime, endTime = as.POSIXct(Sys.Date()),
Get Bar History
- GetCurrencyInfo() Get All Currencies
- GetCurrentQuotes() Get All Current Quotes
- GetDividends() Get All Dividends
- GetPipsValue(targetCurrency, symbols) Get Pips Value
- GetSymbolsInfo() Get All Symbols
- GetTickHistory(symbol, startTime, endTime = as.POSIXct(Sys.Date()), tz = "GMT"), count = 0L)
Get Bar History

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