

# Package ‘RTTWebClient’

January 20, 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

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GetBarsHistory	<i>Get Bar History</i>
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**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

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GetCurrencyInfo	<i>Get All Currency</i>
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**Description**

Get All Currency

**Value**

data.table with currency info

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GetCurrentQuotes	<i>Get All Current Quotes</i>
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**Description**

Get All Current Quotes

**Value**

a data.table with current quotes

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

Get All Dividend

**Value**

a data.table with dividends.

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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

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

Get All Symbols

**Value**

data.table with symbol info

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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.

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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.

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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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