

Package ‘binancer’

May 8, 2026

Type Package

Title API Client to 'Binance'

Version 1.2.0

Date 2021-11-26

Encoding UTF-8

Description R client to the 'Binance' Public Rest API for data collection on cryptocurrencies, portfolio management and trading: <<https://github.com/binance/binance-spot-api-docs/blob/master/rest-api.md>>.

License AGPL

RoxygenNote 7.1.1

Imports data.table, httr, digest, snakecase, logger, jsonlite

URL <https://daroczig.github.io/binancer/>

NeedsCompilation no

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Repository CRAN

Date/Publication 2021-11-29 20:10:09 UTC

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binance_account	<i>Get current general Binance account information, without balances</i>
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Description

Get current general Binance account information, without balances

Usage

binance_account()

Value

data.table

binance_all_orders	<i>Fetch all orders from the Binance account</i>
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Description

Fetch all orders from the Binance account

Usage

binance_all_orders(symbol, order_id, start_time, end_time, limit)

Arguments

symbol	string
order_id	optional number
start_time	optional POSIX timestamp
end_time	optional POSIX timestamp
limit	optional int

Value

data.table

Examples

```
## Not run:  
binance_all_orders('ARKETH')  
binance_all_orders('ARKBTC', order_id = '123456')  
  
## End(Not run)
```

binance_avg_price *Get current average price for a symbol*

Description

Get current average price for a symbol

Usage

```
binance_avg_price(symbol)
```

Arguments

symbol	string
--------	--------

Value

data.table

binance_balances *Get current Binance balances in a nice table*

Description

Get current Binance balances in a nice table

Usage

```
binance_balances(threshold = -1, usdt = FALSE)
```

Arguments

threshold	optional show assets with greater number of coins
usdt	optional to include balance in USDT too

Value

data.table

binance_cancel_order *Cancel order on the Binance account*

Description

Cancel order on the Binance account

Usage

```
binance_cancel_order(symbol, order_id, client_order_id)
```

Arguments

symbol	string
order_id	optional number
client_order_id	optional string

Value

data.table

Examples

```
## Not run:  
binance_cancel_order('ARKETH', order_id = 123456)  
binance_cancel_order('ARKBTC', client_order_id = 'myOrder7')  
  
## End(Not run)
```

binance_coins	<i>Get all currently valid coin names from Binance</i>
---------------	--

Description

Get all currently valid coin names from Binance

Usage

```
binance_coins()
```

Value

character vector of coin names

binance_coins_prices	<i>Get all currently valid coin names from Binance along with the USDT prices</i>
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Description

Get all currently valid coin names from Binance along with the USDT prices

Usage

```
binance_coins_prices(unit = "USDT")
```

Arguments

unit to set quote asset

Value

data.table with symbol and usd columns

binance_credentials *Sets the API key and secret to interact with the Binance API*

Description

Sets the API key and secret to interact with the Binance API

Usage

```
binance_credentials(key, secret)
```

Arguments

key	string
secret	string

Value

No return values, setting config in the package namespace.

Examples

```
## Not run:  
binance_credentials('foo', 'bar')  
  
## End(Not run)
```

binance_depth *Get orderbook depth data from Binance*

Description

Get orderbook depth data from Binance

Usage

```
binance_depth(symbol, limit)
```

Arguments

symbol	string
limit	int optional

Value

data.table

Examples

```
## Not run:  
binance_depth('ETHUSD')  
binance_depth('ETHUSD', limit = 1000)  
  
## End(Not run)
```

binance_exchange_info *Get exchangeInfo from Binance*

Description

Get exchangeInfo from Binance

Usage

```
binance_exchange_info()
```

Value

list

binance_filters *Get current filters for a symbol*

Description

Get current filters for a symbol

Usage

```
binance_filters(symbol)
```

Arguments

symbol string

Value

data.table

binance_klines	<i>Get kline/candlestick data from Binance</i>
----------------	--

Description

Get kline/candlestick data from Binance

Usage

```
binance_klines(  
    symbol,  
    interval = c("1m", "3m", "5m", "15m", "30m", "1h", "2h", "4h", "6h", "8h", "12h",  
                "1d", "3d", "1w", "1M"),  
    limit,  
    start_time,  
    end_time  
)
```

Arguments

symbol	string
interval	enum
limit	optional int
start_time	optional POSIX timestamp
end_time	optional POSIX timestamp

Value

data.table with open-high-low-close values

Examples

```
## Not run:  
binance_klines('ETHUSDT')  
binance_klines('ETHUSDT', interval = '1h', limit = 24*7)  
binance_klines('ETHUSDT', interval = '1h', start_time = '2018-01-01', end_time = '2018-01-08')  
  
## End(Not run)
```

binance_mytrades	<i>Get trades for a specific symbol on the Binance account</i>
------------------	--

Description

Get trades for a specific symbol on the Binance account

Usage

```
binance_mytrades(symbol, limit, from_id, start_time, end_time)
```

Arguments

symbol	string
limit	optional int number of trades to fetch
from_id	optional trade id to fetch from
start_time	optional POSIX timestamp
end_time	optional POSIX timestamp

Value

data.table

Examples

```
## Not run:  
binance_mytrades('ARKETH')  
binance_mytrades(c('ARKBTC', 'ARKETH'))  
  
## End(Not run)
```

binance_new_order	<i>Open new order on the Binance account</i>
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Description

Open new order on the Binance account

Usage

```
binance_new_order(  
  symbol,  
  side = c("BUY", "SELL"),  
  type = c("LIMIT", "MARKET", "STOP_LOSS", "STOP_LOSS_LIMIT", "TAKE_PROFIT",  
    "TAKE_PROFIT_LIMIT", "LIMIT_MAKER"),  
  time_in_force = c("GTC", "IOC", "FOK"),  
  quantity,  
  price,  
  stop_price,  
  iceberg_qty,  
  test = TRUE  
)
```

Arguments

symbol	string
side	enum
type	enum
time_in_force	optional enum
quantity	number
price	optional number
stop_price	optional number
iceberg_qty	optional number
test	bool

Value

data.table

Examples

```
## Not run:  
binance_new_order('ARKETH', side = 'BUY', type = 'MARKET', quantity = 1)  
binance_new_order('ARKBTC', side = 'BUY', type = 'LIMIT', quantity = 1,  
  price = 0.5, time_in_force = 'GTC')  
  
## End(Not run)
```

binance_open_orders *Fetch open orders from the Binance account*

Description

Fetch open orders from the Binance account

Usage

```
binance_open_orders(symbol)
```

Arguments

symbol optional string

Value

data.table

Examples

```
## Not run:  
binance_open_orders('ARKETH')  
binance_open_orders() # all symbols - binance.weight 40  
  
## End(Not run)
```

binance_ping *Test connectivity to the Rest API*

Description

Test connectivity to the Rest API

Usage

```
binance_ping()
```

Value

"OK" string on success

binance_query_order *Query order on the Binance account*

Description

Query order on the Binance account

Usage

```
binance_query_order(symbol, order_id, client_order_id)
```

Arguments

```
symbol           string
order_id         optional number
client_order_id  optional string
```

Value

data.table

Examples

```
## Not run:
binance_query_order('ARKETH')
binance_query_order('ARKBTC', client_order_id = 'myOrder7')

## End(Not run)
```

binance_symbols *Get all currently valid symbol names from Binance*

Description

Get all currently valid symbol names from Binance

Usage

```
binance_symbols(all = FALSE)
```

Arguments

```
all              optional bool include non-trading symbols
```

Value

character vector of symbol names

binance_ticker_24hr *24 hour rolling window price change statistics*

Description

24 hour rolling window price change statistics

Usage

```
binance_ticker_24hr(symbol)
```

Arguments

symbol optional string

Value

data.table

Examples

```
## Not run:  
binance_ticker_24hr('ARKETH')  
binance_ticker_24hr() # all symbols - binance.weight 40  
  
## End(Not run)
```

binance_ticker_all_books
Get latest Binance bids and asks on all symbol pairs

Description

Get latest Binance bids and asks on all symbol pairs

Usage

```
binance_ticker_all_books()
```

Value

data.table

binance_ticker_all_prices

Get latest Binance conversion rates and USD prices on all symbol pairs

Description

Get latest Binance conversion rates and USD prices on all symbol pairs

Usage

```
binance_ticker_all_prices()
```

Value

data.table

binance_ticker_book *Get last bids and asks for a symbol or all symbols*

Description

Get last bids and asks for a symbol or all symbols

Usage

```
binance_ticker_book(symbol)
```

Arguments

symbol optional string

Value

data.table

binance_ticker_price *Get last price for a symbol or all symbols*

Description

Get last price for a symbol or all symbols

Usage

```
binance_ticker_price(symbol)
```

Arguments

symbol optional string

Value

data.table

binance_ticks *Get tick data from Binance*

Description

Get tick data from Binance

Usage

```
binance_ticks(symbol, from_id, start_time, end_time, limit)
```

Arguments

symbol string
from_id optional number
start_time optional POSIX timestamp
end_time optional POSIX timestamp
limit optional int

Value

data.table

Examples

```
## Not run:
binance_ticks('ETHUSDT')
binance_ticks('ETHUSDT', start_time = '2018-01-01 00:00:00', end_time = '2018-01-01 01:00:00')

## End(Not run)
```

binance_time	<i>Get the current server time from Binance</i>
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Description

Get the current server time from Binance

Usage

```
binance_time()
```

Value

POSIXct

binance_trades	<i>Get last trades from Binance</i>
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Description

Get last trades from Binance

Usage

```
binance_trades(symbol, limit)
```

Arguments

symbol	string
limit	optional int

Value

data.table

Examples

```
## Not run:
binance_trades('ETHUSDT')
binance_trades('ETHUSDT', limit = 1000)

## End(Not run)
```

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