

Package: limexhub (via r-universe)

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Type Package

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Depends data.table,jsonlite,httr

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Description Provides an interface to the Limex financial data platform, enabling users to retrieve real-time and historical financial data. Functions within the package allow access to instruments, candlestick charts, fundamentals, news, events, models, and trading signals. Authentication is managed through user-specific API tokens, which are securely handled via environment variables.

LazyLoad yes

License GPL-3

Encoding UTF-8

URL <https://datahub.limex.com>

BugReports <https://github.com/Limex-com/limexhub-r/issues>

RoxygenNote 7.2.3

Repository <https://limex-com.r-universe.dev>

RemoteUrl <https://github.com/limex-com/limexhub-r>

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Contents

altercandles	2
candles	3

events	3
fundamental	4
instruments	5
limex_token	6
models	6
news	7
signals	8
Index	9

altercandles	<i>Get Alternative Candlestick Data</i>
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Description

Retrieves alternative candlestick data for a given stock symbol within the specified date range. The API token is retrieved from an environment variable 'LIMEX_API_TOKEN'.

Usage

```
altercandles(symbol = "BRX", from = "2023-11-27", to = "2023-11-28")
```

Arguments

symbol	Stock symbol to fetch candlestick data for.
from	Starting date for the candlestick data in 'YYYY-MM-DD' format.
to	Ending date for the candlestick data in 'YYYY-MM-DD' format.

Value

A data frame containing the candlestick data if the request was successful, NULL otherwise.

Examples

```
## Not run:
candles_data <- altercandles(symbol = "BRX", from = "2023-07-31", to = "2023-08-24")

## End(Not run)
```

candles	<i>Get Candlestick Data</i>
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Description

Retrieves historical candlestick data for a given stock symbol within the specified date range. The API token is retrieved from an environment variable 'LIMEX_API_TOKEN'.

Usage

```
candles(symbol = "AAPL", from = "2023-07-31", to = "2023-08-24")
```

Arguments

symbol	Stock symbol to fetch candlestick data for.
from	Starting date for the candlestick data in 'YYYY-MM-DD' format.
to	Ending date for the candlestick data in 'YYYY-MM-DD' format.

Value

A data frame containing the candlestick data if the request was successful, NULL otherwise.

Examples

```
## Not run:  
candles_data <- candles(symbol = "BRX", from = "2023-07-31", to = "2023-08-24")  
  
## End(Not run)
```

events	<i>Get Instruments Events Data</i>
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Description

Retrieves events data for a specified stock symbol, filtered by event type and date range. Utilizes the API token set as an environment variable 'LIMEX_API_TOKEN'.

Usage

```
events(  
  symbol = "AAPL",  
  from = "2023-07-31",  
  to = "2023-08-24",  
  type = "dividends"  
)
```

Arguments

symbol	The stock symbol for which events data is requested.
from	The start date for the data retrieval in 'YYYY-MM-DD' format.
to	The end date for the data retrieval in 'YYYY-MM-DD' format.
type	Type of the event to filter (e.g., 'dividends').

Value

A data frame containing the events data if the request is successful, NULL otherwise.

Examples

```
## Not run:
events_data <- events(symbol = "AAPL", from = "2023-01-01", to = "2024-01-01")

## End(Not run)
```

fundamental

Get Fundamental Data

Description

Fetches fundamental data for a specified stock symbol and range of dates, and for specified accounting quarter(s), using the Limex API. Authentication is done via an API token stored in an environment variable 'LIMEX_API_TOKEN'.

Usage

```
fundamental(
  symbol = "AAPL",
  from = "2023-07-31",
  to = "2023-08-24",
  quarter = NULL,
  fields = NULL
)
```

Arguments

symbol	The stock symbol for which fundamental data is requested.
from	The start date for the data retrieval in 'YYYY-MM-DD' format.
to	The end date for the data retrieval in 'YYYY-MM-DD' format.
quarter	Optional; specify the quarter(s) 'q1', 'q2', 'q3', 'q4' for quarterly data.
fields	Optional; specify particular fields of interest like 'roe'.

Value

A data frame containing the requested fundamental data if successful, NULL otherwise.

Examples

```
## Not run:  
fundamental_data <- fundamental(symbol = "AAPL")  
  
## End(Not run)
```

instruments

Get Instruments Data

Description

Retrieves instruments data filtered by asset type. This function uses an API token stored in an environment variable named 'LIMEX_API_TOKEN'.

Usage

```
instruments(assets = "stocks")
```

Arguments

assets Type of assets to query, by default 'stocks'.

Value

A data frame containing instrument data, or NULL if the request fails.

Examples

```
## Not run:  
instruments_data <- instruments(assets = 'stocks')  
  
## End(Not run)
```

limex_token	<i>Set API Token for Limex</i>
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Description

Sets the API token for the Limex service by storing it in an environment variable for the current R session. This token will be used by other functions in the package to authenticate API requests.

Usage

```
limex_token(token)
```

Arguments

token API token for the Limex service.

Value

Invisible NULL, side-effect function setting an environment variable.

Examples

```
## Not run:  
  limex_token("your_personal_token_here")  
  
## End(Not run)
```

models	<i>Retrieve Models Data from Limex API</i>
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Description

Fetches data about models from the Limex API for a specified vendor. It uses an API token that is stored in the 'LIMEX_API_TOKEN' environment variable.

Usage

```
models(vendor = "boosted")
```

Arguments

vendor The name of the vendor for which models data is requested.

Value

A data frame containing the models data if the request is successful; NULL otherwise.

Examples

```
## Not run:
models_data <- models(vendor = "boosted")

## End(Not run)
```

news

Get News Data

Description

Retrieves news data for a specific stock symbol from the Limex API. The API token is retrieved from an environment variable 'LIMEX_API_TOKEN'.

Usage

```
news(symbol = "AAPL", from = "2023-07-31", to = "2023-08-24")
```

Arguments

symbol	The stock symbol for which news data is requested.
from	The start date for the data retrieval in 'YYYY-MM-DD' format.
to	The end date for the data retrieval in 'YYYY-MM-DD' format.

Value

A data frame containing the news data if successful, NULL otherwise.

Examples

```
## Not run:
news_data <- news(symbol = "BRX", from = "2023-11-27", to = "2023-11-28")

## End(Not run)
```

`signals`*Get Instruments Signals Data*

Description

Retrieves signals data for a specified stock symbol and model from the Limex API. The function uses the API token that is stored in the 'LIMEX_API_TOKEN' environment variable.

Usage

```
signals(  
  vendor = "boosted",  
  model = "50678d2d-fd0f-4841-aaee-7feac83cb3a1",  
  symbol = "AAPL",  
  from = "2010-01-01",  
  to = Sys.Date()  
)
```

Arguments

<code>vendor</code>	The vendor name associated with the signals data.
<code>model</code>	The model identifier for which signals data is requested.
<code>symbol</code>	The stock symbol for which signals data is requested.
<code>from</code>	The start date for the signals data retrieval in 'YYYY-MM-DD' format.
<code>to</code>	The end date for the signals data retrieval in 'YYYY-MM-DD' format.

Value

A data frame containing the signals data if the request is successful; NULL otherwise.

Examples

```
## Not run:  
signals_data <- signals(vendor = "boosted", symbol = "AAPL")  
  
## End(Not run)
```


Index

altercandles, [2](#)

candles, [3](#)

events, [3](#)

fundamental, [4](#)

instruments, [5](#)

limex_token, [6](#)

models, [6](#)

news, [7](#)

signals, [8](#)