

Package ‘rllama’

February 2, 2024

Type Package

Title Access and Analyze Data from 'DeFiLlama'

Version 0.4.4

Description Provides an interface to access and analyze data from 'DeFiLlama' <<https://defillama.com>>. This package simplifies the process of fetching and manipulating 'DeFiLlama' data for further analysis and visualization.

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URL <https://github.com/AlexTwoR/rllama>

BugReports <https://github.com/AlexTwoR/rllama/issues>

Imports data.table, httr

Encoding UTF-8

Language en-US

RoxygenNote 7.2.3

NeedsCompilation no

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Repository CRAN

Date/Publication 2024-02-02 21:00:02 UTC

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get_defillama_chain_hist_tv1
Chain History Data

Description

Fetches historical TVL data for a specified Blockchain in USD. The data is returned as a table sorted by date.

Usage

```
get_defillama_chain_hist_tv1(name)
```

Arguments

name	A string representing the unique name (name) of the protocol. This name can be obtained from the result of the get_defillama_chain_tv1 function.
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Value

A 'data.table' object containing historical TVL data of the specified chain. The table includes columns for date, TVL in USD. It is sorted by date.

Examples

```
# total tvl by date
chain_tv1 = get_defillama_chain_hist_tv1( "Ethereum" )
tail( chain_tv1 )
```

get_defillama_chain_tv1
Chain TVL Data

Description

This function retrieves TVL data for various chains from a specified API and formats it into a data.table for analysis.

Usage

```
get_defillama_chain_tv1()
```

Value

A 'data.table' containing the TVL data with columns: name, symbol, tvl, gecko_id, cmcId, and chainId. The data is sorted by TVL in descending order.

Examples

```
chain_tv1 = get_defillama_chain_tv1()
head( chain_tv1 )
```

```
get_defillama_protocol_hist_tv1
```

Protocol History Data

Description

Fetches historical TVL data for a specified DeFi protocol, including TVL in USD and token amount. The data is returned as a table sorted by date.

Usage

```
get_defillama_protocol_hist_tv1(slug, by_token = FALSE)
```

Arguments

<code>slug</code>	A string representing the unique name (slug) of the protocol. This slug can be obtained from the result of the <code>get_defillama_protocol_tv1</code> function.
<code>by_token</code>	A boolean indicating whether to include token-specific data. Defaults to FALSE.

Value

A 'data.table' object containing historical TVL data of the specified protocol. The table includes columns for date, TVL in USD. It is sorted by date.

Examples

```
# total tv1 by date
protocol_tv1 = get_defillama_protocol_hist_tv1( "lido" )
tail( protocol_tv1 )

# tv1 by token
protocol_tv1 = get_defillama_protocol_hist_tv1( "lido", by_token = TRUE )
tail( protocol_tv1 )
```

```
get_defillama_protocol_tv1
```

Protocol TVL Data

Description

This function retrieves Total Value Locked (TVL) data for various protocols from a specified API and formats it into a table for analysis.

Usage

```
get_defillama_protocol_tv1(is_cex_include = F)
```

Arguments

`is_cex_include` Logical; if FALSE (default), data for CEX will be excluded from the results. Set to TRUE to include CEX data.

Value

A 'data.table' containing TVL data with columns: symbol, tvl, slug, name, chain, and category. The data is sorted by TVL in descending order.

Examples

```
protocol_tv1 = get_defillama_protocol_tv1()  
head( protocol_tv1 )
```

```
get_defillama_stablecoin_data
```

Stablecoins Data

Description

Retrieves stablecoin data, including details like name, symbol, price, and market cap. The data is returned as a sorted table by market cap.

Usage

```
get_defillama_stablecoin_data()
```

Value

A 'data.table' with stablecoin information, sorted by market capitalization.

Examples

```
stablecoin_data = get_defillama_stablecoin_data()
head( stablecoin_data )
```

```
get_defillama_stablecoin_hist_data
      Stablecoins History Data
```

Description

Retrieves stablecoin data, including details like name, symbol, price, and market cap. The data is returned as a sorted table.

Usage

```
get_defillama_stablecoin_hist_data(stablecoin_id)
```

Arguments

`stablecoin_id` An integer representing the ID of the stablecoin. This ID can be obtained from the result of the [get_defillama_stablecoin_data](#) function.

Value

A ‘data.table’ object containing historical data of the specified stablecoin. The table is sorted by date.

Examples

```
stablecoin_hist_data = get_defillama_stablecoin_hist_data( 5 )
head( stablecoin_hist_data )
```

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