Class: SubgraphApi

TheGraph API client for CoW Protocol.

Constructors

constructor

•new SubgraphApi (context?):[SubgraphApi](#)

Create a new CoW Protocol API instance.

Parameters

Name Type Description context Partial <SubgraphApiContext

     Any properties of the SubgraphApiContext may be overridden by passing a PartialSubgraphApiContext.

Returns

[SubgraphApi](#)

Defined in

external/cow-sdk/src/subgraph/api.ts:54

Properties

API_NAME

•API_NAME :string ='CoW Protocol Subgraph'

Defined in

external/cow-sdk/src/subgraph/api.ts:46

context

•context :SubgraphApiContext

Defined in

external/cow-sdk/src/subgraph/api.ts:48

Methods

getContextWithOverride

▸getContextWithOverride (contextOverride?):SubgraphApiContext

Override parts of the context for a specific call.

Parameters

Name Type Description contextOverride Partial <SubgraphApiContext

     Override the context for this call only.

Returns

SubgraphApiContext

The context with the override applied.

Defined in

external/cow-sdk/src/subgraph/api.ts:129

getEnvConfigs

▶getEnvConfigs (env):SubgraphApiBaseUrls

Get the base URLs for the given environment.

Parameters

Name Type Description env [CowEnv](#) The environment to get the base URLs for.

Returns

SubgraphApiBaseUrls

The base URLs for the given environment.

Defined in

external/cow-sdk/src/subgraph/api.ts:138

getLastDaysVolume

▶getLastDaysVolume (days ,contextOverride?):Promise <LastDaysVolumeQuery

Query the volume over the last N days from TheGraph for the CoW Protocol.

Parameters

Name Type Description days number The number of days to query. contextOverride Partial <SubgraphApiContext

　Override the context for this call only.

Returns

Promise <LastDaysVolumeQuery

The volume for the last N days.

Defined in

external/cow-sdk/src/subgraph/api.ts:77

getLastHoursVolume

▶getLastHoursVolume (hours ,contextOverride?):Promise <LastHoursVolumeQuery

Query the volume over the last N hours from TheGraph for the CoW Protocol.

Parameters

Name Type Description hours number The number of hours to query. contextOverride Partial <SubgraphApiContext

　Override the context for this call only.

Returns

Promise <LastHoursVolumeQuery

The volume for the last N hours.

Defined in

external/cow-sdk/src/subgraph/api.ts:87

getTotals

▶getTotals (contextOverride?):Promise <{__typename? :"Total" ;feesEth? :any ;feesUsd? :any ;orders :any ;settlements :any ;tokens :any ;traders :any ;volumeEth? :any ;volumeUsd? :any }>

Query the totals from TheGraph for the CoW Protocol.

Parameters

Name Type Description contextOverride Partial <SubgraphApiContext

Override the context for this call only.

Returns

Promise <{__typename? :"Total" ;feesEth? :any ;feesUsd? :any ;orders :any ;settlements :any ;tokens :any ;traders :any ;volumeEth? :any ;volumeUsd? :any }>

The totals for the CoW Protocol.

Defined in

external/cow-sdk/src/subgraph/api.ts:66

runQuery

▶runQuery <T

(query ,variables? ,contextOverride?):Promise <T

Run a query against the CoW Protocol Subgraph.

Type parameters

Name T

Parameters

Name Type Default value Description query string |DocumentNode undefined GQL query string or DocumentNode. variables undefined |Variables undefined To be passed to the query. contextOverride Partial <SubgraphApiContext

{} Override the context for this call only.

Returns

Promise <T

Results of the query.

Throws

[CowError](#) if the query fails.

Defined in

external/cow-sdk/src/subgraph/api.ts:102