Data Module

This module is to construct the data in term of dataclass to make sure that all the input and output follow this data schema.

Although there are Protobuf classes, some types are not exists. Therefore, additional types of data will be declared here.

note Note thatbase andquote is the first and the second price symbols respectively e.g. BTC/USD price rate has a base of BTC and a quote of USD.

ReferenceDataUpdated

Attribute Type Description base integer Base's resolve time quote integer Quote's resolve time

ReferenceDataRequestID

Attribute Type Description base integer Base's request ID quote integer Quote's request ID

ReferenceData

Attribute Type Description pair string The token pair e.g. "BTC/USD" rate float Price rate updatedAt ReferenceDataUpdated Price update time requestId ReferenceDataRequestID OracleRequest ID

Syntax

(method)

Client . getReferenceData (pairs : string [ ] ,

minCount : number ,

askCount : number) :

Promise < Data . ReferenceData [ ]

Example

import

{

Client ,

Data

}

from

"@bandprotocol/bandchain.js"

async

function

getReferenceData ( )

{ const grpcEndpoint =

{ GRPC_ENDPOINT } const client =

new

Client (grpcEndpoint) const data =

await client . getReferenceData (["BTC/USD" ,

"ETH/BTC"] ,

3 ,

4) console . log (typeof data)

// Promise }