Socket Client

Getting Started

Installation

TypeScript Python pnpm install

@dydxprotocol/v4-client-js

Initializing the Client

TypeScript Python /** // For the deployment by DYDX token holders, use below:

import { IndexerConfig, ValidatorConfig } from "@dydxprotocol/v4-client-js";

const NETWORK: Network = new Network('mainnet', new IndexerConfig('https://indexer.dydx.trade', 'wss://indexer.dydx.trade',), new ValidatorConfig('https://dydx-ops-rpc.kingnodes.com', // or other node URL 'dydx-mainnet-1', { CHAINTOKEN_DENOM: 'adydx', CHAINTOKEN_DECIMALS: 18, USDC_DENOM: 'ibc/8E27BA2D5493AF5636760E354E46004562C46AB7EC0CC4C1CA14E9E20E2545B5', USDC_GAS_DENOM: 'uusdc', USDC_DECIMALS: 6, },),); */ const

NETWORK

=

Network .testnet ();

const

mySocket

=

new

SocketClient (NETWORK .indexerConfig , () => { console .log ('socket opened'); } , () => { console .log ('socket closed'); } , (message) => { console .log (message); } ,); mySocket .connect ();

Subscription

Markets Channel

TypeScript Python // subscribe // updates are batched, received in channel_batch_data mySocket .subscribeToMarkets (); // unsubscribe mySocket .unsubscribeFromMarkets () Response and Channel Data : SeeIndexer Socket forInitial Response andChannel Update

Trades Channel

TypeScript Python // ticker is the market ticker, such as "BTC-USD" // subscribe // updates are batched, received in channel_batch_data mySocket .subscribeToTrades (ticker); // unsubscribe mySocket .unsubscribeFromTrades (ticker) Response and Channel Data : SeeIndexer Socket forInitial Response andChannel Update

Orderbook Channel

TypeScript Python // ticker is the market ticker, such as "BTC-USD" // subscribe // updates are batched, received in channel_batch_data mySocket .subscribeToOrderbook (ticker); // unsubscribe mySocket .unsubscribeFromOrderbook (ticker) Response and Channel Data : SeeIndexer Socket forInitial Response andChannel Update

Candles Channel

TypeScript Python // ticker is the market ticker, such as "BTC-USD"; resolution is the candles resolution // subscribe // updates are batched, received in channel_batch_data mySocket .subscribeToCandles (ticker , resolution); // unsubscribe mySocket .unsubscribeFromCandles (ticker , resolution) Response and Channel Data : SeeIndexer Socket forInitial Response andChannel Update

Subaccount Channel

TypeScript Python // address is the wallet address on dYdX chain, subaccount_number is the subaccount number // subscribe // updates are not batched, received in channel_data mySocket .subscribeToSubaccount (ticker , resolution); // unsubscribe mySocket .unsubscribeFromSubaccount (ticker , resolution) Response and Channel Data : See[Indexer Socket](#) for[Initial Response](#) and[Channel Update](#)

Last updated onMay 30, 2024 [Indexer Client](#) [Validator Client](#)