How to integrate APIs with FE isolated positions

Overview

This document covers how to use the API to query data on / trade with isolated positions that are managed with the dYdX V4 front-end.

Isolated Positions on dYdX V4 front-end

Isolated positions on the dYdX V4 front-end are perpetual positions held in subaccounts with a subaccount number greater than 127, up to the limit of 128,000. Each isolated position is held in a separate subaccount.

Mapping of isolated positions to subaccounts

The dYdX V4 front-end implementation separates subaccounts (0 - 128,000) into 2 separate types:

Parent subaccounts

Subaccounts 0 to 127 are parent subaccounts. Parent subaccounts can have multiple positions opened and all positions are cross-margined.

Child subaccounts

Subaccounts 128 to 128,000 are child subaccounts. Child subaccounts will only ever have up to 1 position open. Each open isolated position on the front-end is held by a separate child subaccount. Once an isolated position is closed in the front-end, the subaccount associated with isolated position can be re-used for the next isolated position. Child subaccounts are mapped to parent subaccounts using the formula:

parent_subaccount_number = child_subaccount_number % 128 Note that currently only parent subaccount 0 is exposed via the front-end and so isolated positions will be held in subaccounts number 128, 256, ... Note that the above "types" of subaccounts are not enforced at a protocol level, and only on the front-end. Any subaccount can hold any number of positions in cross-marginable markets which all will cross-margined at the protocol level.

Getting data for parent subaccount

API endpoints exist to get data for a parent subaccount and all it's child subaccounts on the Indexer.

Currently all data for an account viewable on the front-end can be fetched by using the parent subaccount APIs to fetch data for parent subaccount number 0. See the Indexer API page for more details of the parent subaccount APIs.

Last updated onJune 22, 2024 [How to transfer tokens between accounts](#)[Overview](#)