

DERIVATIVES UNCHAINED

Hacker: Ivan Molto

uous

00500

rejected

BTCUSD Monthly (30 Jun 2021)

product: future
trading mode: continuous

maker fee: 0.000200
infrastructure fee: 0.000500
liquidity fee: 0.001

base:btc quote:usd class:fx/crypto monthly

sector:crypto

active

ETHBTC Quarterly (30 Jun 2022)

product: future
trading mode: continuous

maker fee: 0.000200
infrastructure fee: 0.000500
liquidity fee: 0.001

base:eth quote:btc class:fx/c

sector:crypto

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rejected

AAVEDAI Monthly (30 Jun 2021)

product: future
trading mode: continuous

maker fee: 0.000200
infrastructure fee: 0.000500
liquidity fee: 0.001

base:aave quote:dai class:fx/crypto monthly

sector:defi

active

UNIDAI Monthly (30 Jun 2021)

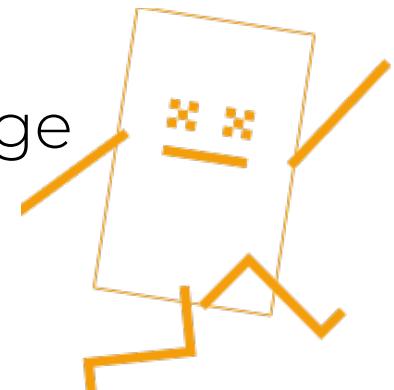
product: future
trading mode: continuous

maker fee: 0.000200
infrastructure fee: 0.000500
liquidity fee: 0.001

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Vega.xyz Medium Challenge

Encode Hack The System
May 2021



Approach to Vega Challenge



FRONTEND

A fast and enhanced web and mobile web app built with Vue 3 and making use of the Vega GraphQL API via queries and subscriptions.



FRESH VALUABLE DATA

Showcased Markets, Assets, Parties and Statistics. Streamed data for recent Trades and Orders.



TECH STACK

Used Vue 3 with Composition API, Vue Router, GraphQL, Apollo client, and Tailwindcss. Some images are decentralized stored on Arweave.



LIVE DEMO AND REPO

<https://derivatives-unchained.netlify.app>

<https://github.com/ivanmolto/derivatives-unchained>

Funny Facts



9

Markets



+100

Parties



10

Assets

DERIVATIVES UNCHAINED

A little bit of



Highlights

- Query and stream data ranging from markets to recent trades
- Clean, responsive and modern layout
- Data endpoints from Vega API <https://docs.fairground.vega.xyz/docs/apis>

Totals

Total amend order: 0
Total cancel order: 95
Total create order: 33749477
Total lots: 11
Total orders: 33749477
Total price: 366203

30 Jun 2021

mode: continuous

maker fee: 0.000200
infrastructure fee: 0.000500
liquidity fee: 0.001

base:btc quote:usd class:fx/crypto monthly sector:crypto

Tree/GBP/April21

product: future
trading mode: continuous
maker fee: 0.000200
infrastructure fee: 0.000500
liquidity fee: 0.01

base:xxx quote:xyzalpha

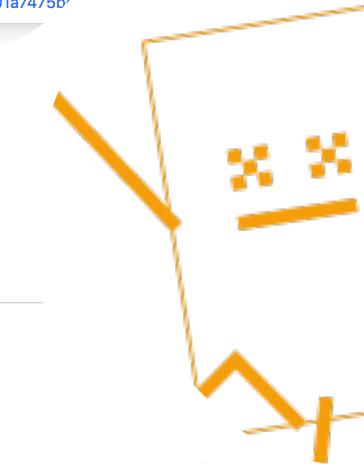
monthly (30 Jun 2021)

continuous

500

1594f7b15d3db88f70b2f6e8f3fed27f48ed8c19bd7b5d~

a4d5c56c7249b9134801a7475b~



JSDC

Supply: 356557000000000000
Decimals: 5
Balance: 582209275283
Type: FeeInfrastructure

EURO (test)

symbol: tEURO
total supply: 3559390000000000
decimals: 5
balance: 149312014251
type: FeeInfrastructure

gamma

Zgamma
1000000000

ERC20

Web Application

The screenshot displays the 'All Markets' section of the web application. At the top right, there is a navigation bar with tabs: Markets (which is active), Trades, Orders, Assets, Parties, and Stats. Below the navigation bar, the title 'All Markets' is centered. The page lists several market products in a grid format:

- BTCUSD Monthly (30 Jun 2021)**
product: future
trading mode: continuous
maker fee: 0.000200
infrastructure fee: 0.000500
liquidity fee: 0.001
Tags: base:btc, quote:usd, class:fx/crypto, monthly, sector:crypto
- ETHBTC Quarterly (30 Jun 2021)**
product: future
trading mode: continuous
maker fee: 0.000200
infrastructure fee: 0.000500
liquidity fee: 0.001
Tags: base:eth, quote:btc, class:fx/crypto, quarterly, sector:crypto
- AAVEDAI Monthly (30 Jun 2021)**
product: future
trading mode: continuous
maker fee: 0.000200
infrastructure fee: 0.000500
liquidity fee: 0.001
Tags: base:aave, quote:dai, class:fx/crypto, monthly, sector:defi
- UNIDAI Monthly (30 Jun 2021)**
product: future
trading mode: continuous
maker fee: 0.000200
infrastructure fee: 0.000500
liquidity fee: 0.001
Tags: base:uni, quote:dai, class:fx/crypto, monthly, sector:defi
- Apple Monthly (30 Jun 2021)**
product: future
trading mode: continuous
maker fee: 0.000200
infrastructure fee: 0.000500
liquidity fee: 0.001
Tags: base:apple, quote:usd, class:fx/crypto, monthly, sector:equity
- Tesla Quarterly (30 Jun 2021)**
product: future
trading mode: continuous
maker fee: 0.000200
infrastructure fee: 0.000500
liquidity fee: 0.001
Tags: base:tesla, quote:usd, class:fx/crypto, quarterly, sector:equity

Mobile Web Application

Data To Boost Your Derivatives Trading

All Markets

BTCUSD Monthly (30 Jun 2021)
product: future
trading mode: continuous
maker fee: 0.000200
infrastructure fee: 0.000500
liquidity fee: 0.001
basebtc quoteusd classfx/crypto
monthly sector:crypto

ETHBTC Quarterly (30 Jun 2021)
product: future
trading mode: continuous
maker fee: 0.000200
infrastructure fee: 0.000500
liquidity fee: 0.001
baseeth quotebtc classfx/crypto
quarterly sector:crypto

See Trades

Recent Trades

Recent Orders

All Statistics

CHAIN_STATUS_CONNECTED

General
App version: v0.35.4
Chain version: 0.33.8
Block height: 63939
Tx per block: 54
Average orders per block: 62
Total peers: 8

Time
Orders per second: 70
Trades per second: 47
Current Time: 2021-05-05T05:26:50.830568361Z
Genesis Time: 2021-05-04T14:48:10Z
Up time: 2021-05-



Ivan Molto

About Me

Software & Blockchain Engineer with + 20 years experience in the Gaming, Media, and Music industries

Built Android/iOS apps and games hitting +100 million installs

Proud to be part of the first ringtones ever created

Veteran hacker

More at <https://linkedin.com/in/ivanmolto>

Thank you