In Development...

Exchange Connector Service

Essentially a set of code modules that act as a "wrapper" for an ERC token standardized functionality. The set of functions that an Ethereum-based token has to implement. The wrapper is then extended with additional functionality per Exchange. So we have a Binance Service, a Coinbase_Pro Service, etc.

The Exchange Connector Service feeds our internal trading strategies, with real-time data from the different currency exchanges. They transact with a specific exchange's API suite by relaying indicators, sending and cancelling trades.

Strategy Monitoring Service

High-speed messaging system responsible for coordinating and relaying information and events between the Exchange Service and the data/real-time caching layer. This service also manages a mempool monitor and a transaction tracker.

UI/Strategy Builder

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Currently these are two separate code bases which will need to be integrated. The UI receives and displays some real-time data from the Monitoring Service. Users can manually submit/adjust orders. There is some limited ability to set trades on auto, which is just a limit ordering service that can ladder buy/sell. .....

Notes

Key Points

- allows users to create and customize automated, algorithmic trading bots
- built it for institutional level performance.
- utilizes low-level programming to optimize the speed and memory efficiency crucial for executing high frequency trading algorithms. Cython, patching and compiling and third party modules such as uniswap and ethers skd's

Work To Be Done

Exchange Services

- Increase the number of exchanges

Trading Strategies
- More market coverage and indicators
- Add some ML that may help traders mature their trading strategies, recommending which algorithms and indicators to use separately, combined, and under what market conditions

Increased Functionality
- Market Making
- Arbitrage

GUI
- Easy to use and intuitive interface that can help streamline and visualize multifaceted data streams

BI
- BI tools that fold these auto/daily trading strategies into our long term Fund strategy

Scale
- Accommodate the growing velocity, volume and variety of exchanges and tokens launches

Core Development
- Build out our Data Store for backtesting strategies and ML/AI development
- Build out or Data Science team
- Increase our Block Chain expertise

Knowledge Domain
- Crypto-Tech is fast moving

- Adopt additional ERC Token Standards
- Research and utilize open-source "Bot" repositories
- Continuously review roadmaps and offerings of widely used and profitable trading tech.