

Hyperdex

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1.0 Introduction

1.1 DeFi

DeFi is creating an ecosystem of financial applications deployed on a variety of public blockchain networks. These networks are decentralized, immutable, and permissionless. This eliminates the need for third-party mediators, ensures the integrity of data is maintained, and allows anyone with a blockchain address and an internet connection to participate. DeFi is not a single entity, but a collection of loosely bound ideas and protocols revolutionizing financial services through the use of blockchain technology.

Since its inception, DeFi has experienced unprecedented expansion. It has emerged as the most exciting innovation in the finance and investment sectors. DeFi is critical for every cryptocurrency investor as it is structured around smart contract protocols, offering better returns and options than traditional banks. DeFi instruments are permissionless, peer-to-peer, mutualized, and often fully automated.

DeFi is heterogeneous and sophisticated with huge potential in the present and near future, with each innovation paving the way for the following one. However, DeFi is not without its current limitations that create a barrier for retail investors.

1.2 Problems

There are a number of barriers hindering the usability and subsequent adoption of DeFi in its current state. These barriers make it difficult for retail investors to participate and capitalize the newly generated value found within DeFi.

Among these barrier are:

1. DeFi offers an extensive variety of products with mechanisms that feature different risks and returns, **increasing the complexity of DeFi instruments.**
2. The crypto market functions 24/7 and is both highly complex and volatile, **requiring extensive research to successfully curate profitable strategies.**
3. Many DeFi protocols require a proper understanding of how their smart contracts function, otherwise **investors risk precarious exposure of capital.**

Without addressing the problems above, a paradoxical situation is created in which DeFi becomes the least accessible sector in crypto and finance for retail investors.

2.0 Overview

Hyperdex offers an all-in-one investment platform solution that overcomes critical adoption barriers, enabling anyone to easily and effectively invest in DeFi. This is accomplished by providing an extensive set of financial products that simplify the investment process down to a few clicks.

Furthermore, Hyperdex is a platform that enables anyone to build and deploy their own trading strategies for others to invest in. This can be done with no prior programming experience. This results in Hyperdex acting as a platform for users to find both investments as well as investors.

Additionally, Hyperdex offers a number of benefits including:

- Enabling anyone owning crypto assets to effectively invest in DeFi, with or without prior DeFi knowledge
- Mitigating the risks inherent to DeFi that cannot easily be managed by a single passive investor
- Providing investment strategies for investors that do not have the time, knowledge, or experience to take full advantage of DeFi opportunities
- Enabling anyone to create and deploy an investment strategy and garner subsequent capital in the form of investments

2.1 Mission

Hyperdex envisions the creation of a robust, decentralized all-in-one investment platform. These mirror standard traditional financial products, however everything is decentralized and automated. Along with this, Hyperdex will also enable anyone to create and deploy their own investment strategies for other users to invest in. Hyperdex aims to reach people from different financial backgrounds and geographical locations, offering them the fruits of DeFi. In the long term, Hyperdex aims to function as a decentralized autonomous organization (DAO), with the majority of decisions made by the community via governance.

2.2 Cubes

Each investment opportunity offered by Hyperdex is collectively put in a container to differentiate the strategy chosen and expiration time. These containers are called 'Cubes'. Cubes function very similarly to decentralized exchange liquidity pools. By opting for a specific cube, users select a particular investment strategy and generate the expected income, which will always be known without any hidden fees or market mechanics. It is up to the user to research and understand the details of each respective cube.

Hyperdex offers four different types of Cubes, each with varied returns and risks:

- Fixed Income
- High Yield Trading
- Option
- Modular
- Gold

2.2.1 Fixed Income

Fixed Income Cubes are investment strategies that offer a Fixed Income to the users on either stablecoins or other crypto assets. Users can choose from a variety of Fixed Income Cubes based on their expiration dates and returns. Users are responsible for reviewing and understanding the additional terms for each cube, such as pay-back rules and early redemption fees.

2.2.2 High Yield

High Yield cubes are automated trading protocols based on a pure statistical arbitrage algorithm. Algo-trading cubes aim at bringing higher returns by identifying the market discrepancies among the leading crypto assets. Hyperdex's algo-trading is a proprietary algorithm that has been used successfully for several years during various market conditions. Its trade execution is fully automated.

2.2.3 Option

Option Cubes are very similar to that of cryptocurrency prediction markets. Hyperdex's Option cube enables users to take directional positions (long/short) on select crypto trading pairs. Users make a prediction on the future price, then Hyperdex race cube automatically calculates the necessary information for the user's stops,

directional position in the market, along with proper leverage according to the risk selected by the user.

2.2.4 Modular

Modular Cubes are trading strategies created by third parties and deployed on Hyperdex. Modular Cubes may come in the form of a Fixed Income, High Yield, or Option Cubes and feature their own unique fees. Anyone may create a Modular Cube with our simplified procedure designed to accommodate even those without prior coding experience.

2.2.5 Gold

The Gold Cube is a virtual container within the Hyperdex ecosystem that allows the purchase of cryptographic tokens backed by physical gold. The purpose of the Gold Cube is to create a decentralized financial market place for precious metal transactions that converts real physical goods (in this case precious metals) into a digital token hosted on a decentralized blockchain ledger (e.g. Binance Smart Chain).

2.2.6 Expiration / Renewal

Upon expiration, unlocked funds may be withdrawn. Funds may also be withdrawn before the expiration date, however they will be subject to an early redemption fee of 20%.

2.3 HyperCubes

Users may upgrade any type of Cube into a HyperCube. HyperCubes are upgraded versions of normal Cubes that offer additional rewards.

To upgrade a Cube, users must stake an equivalent amount of HYP Tokens ranging from 10-100% of their original investment. Once the appropriate amount of HYP is staked, the Cube becomes a HyperCube resulting in higher rewards for the original base return as well as doubling rewards by receiving additional rewards in HYP.

Upgrading a Cube to a HyperCube benefits the entire ecosystem. Each swap to make a HyperCube increases the user's rewards. Additionally, due to the natural function of the liquidity pool, each swap converted into HYP immediately results in buy pressure for HYP..

With HyperCubes, users do not risk losing their deposited HYP tokens and may only earn more. The only scenario in which a user loses deposited HYP tokens is if they withdraw early, whereby a 20% early withdrawal fee is imposed. For example, if a Option HyperCube ends up with an ROI of -10%, the user's deposited HYP is not subject to this loss.

Entry fees are applicable to deposited HYP tokens when creating a HyperCube. In the case of High Yield Cubes, whereby there is a performance fee, HYP tokens will be subject to the fee granted a positive ROI is earned.

2.4 HYP Token

HYP is the Hyperdex platform's utility token. The primary purpose of the HYP token is to allow the users to participate in a decentralized democratic decision process in order to decide what happens with the Hyperdex ecosystem. The HYP token holders are in power of what happens in the ecosystem. This will allow holders of the governance token to vote on protocol improvements, making Hyperdex a fully decentralized protocol.

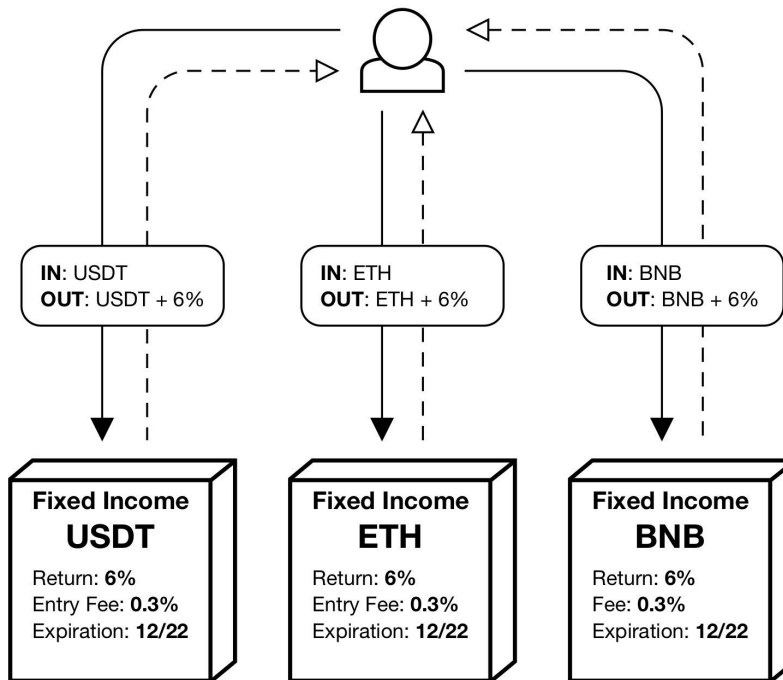
Additionally, those that hold the governance token are provided with the opportunity to interact with the protocol further via: Incentivising liquidity providers, increasing rewards from cubes and staking.

2.5 Other Tokens

Other tokens will be included within the Hyperdex ecosystem, such as the Tetra and Edro NFTs along with the Tesseract governance token. Hyperdex NFTs enable holders to earn a portion of fees generated over time. Governance tokens enable users to directly influence the development of the Hyperdex ecosystem by submitting proposals and voting on them.

3.0 Fixed Income Cubes

A selection of Fixed Income Cubes are available to users, with returns available for both stablecoins as well as selected crypto assets. Each Cube has its own expiration date along with relevant details pertaining to the investment such as ROI, reward distribution, early redemption fees, etc.



3.1 Cube Details

Each Fixed Income Cube contains key information relevant to each respective Cube, including but not limited to:

- Asset
- Expiration
- Entry fee
- Fixed return (annualized)
- Lock up period

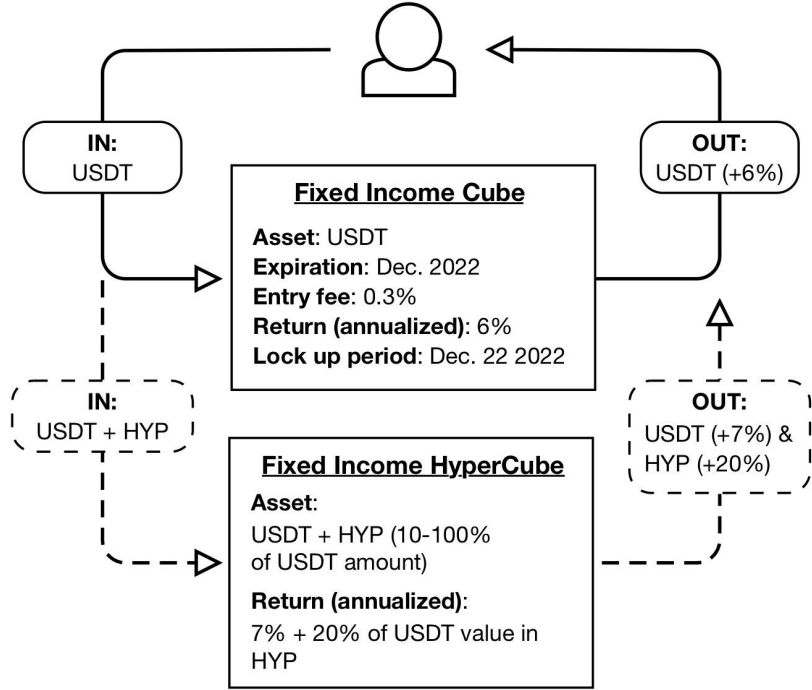
The asset variable represents the deposited stablecoin or crypto asset that a user is earning returns on. The expiration simply marks the expiration date of the Cube, resulting in users automatically receiving their rewards once over. The entry fee is the percentage fee of the user's investment, with the fee coming directly out of the deposit. The fixed return variable displays the annualized percentage return on the asset deposited into the Cube. Lastly, the lock up period is the time period in which users must keep their deposits locked. If a user withdraws their investment before the expiration of the lock up period, their deposit is subjected to a 20% early redemption fee.

3.2 Fixed Income HyperCube

A user may choose to upgrade from a normal Fixed Income Cube to a Fixed Income HyperCube, effectively increasing their rewards. This is achieved by depositing an additional 10-100% of the original investment in HYP Tokens. Once upgraded to a HyperCube, users receive increased rewards on the original Cube investment + an additional return on their deposited HYP Tokens.

3.3 Example

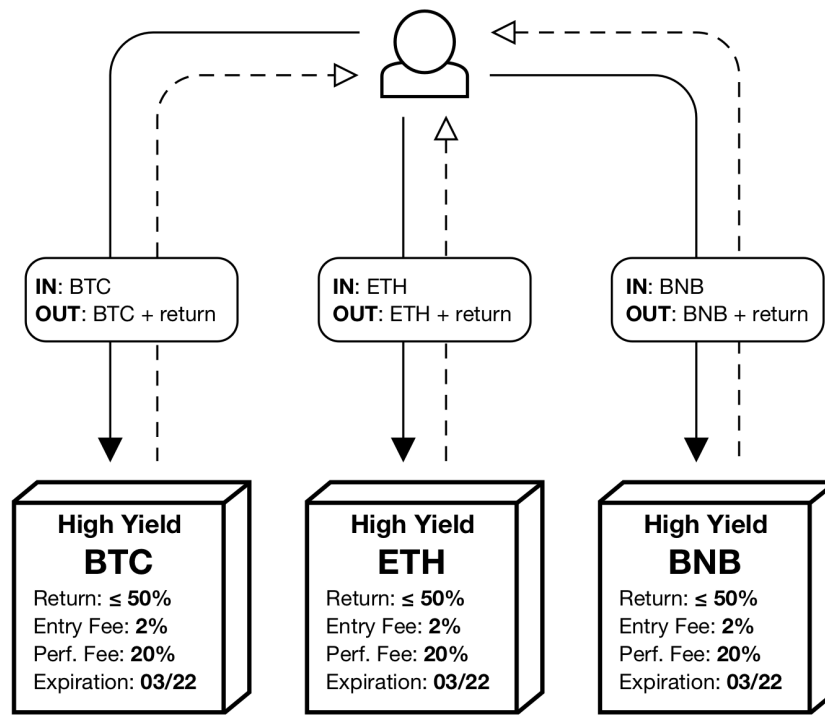
For example: consider a Fixed Income Cube with a 6% annualized return on deposited USDT, a December 2022 expiration, an entry fee of 0.3% of the deposited USDT, and a lock up period ending December 22nd 2022



In this example, a user would yield an annualized return of 6% on their deposited USDT. If the same Cube was upgraded to a HyperCube, the user would yield an annualized return of 7% on their deposited USDT + 20% of the USDT value in HYP Tokens. In the end, HyperCubes reward users with both an increased return on their original deposited assets plus additional rewards on their deposited HYP Tokens.

4.0 High Yield Cubes

High Yield Cubes take a data driven approach to the market and act purely based on statistical algorithms. Using a proprietary system, High Yield Cubes are able to identify market discrepancies among the main cryptocurrencies. A complex chain analysis of a given cryptocurrency is conducted at all times, finding the most profitable path for selected coins. These paths are traded and achieve relatively high returns in comparison to the risk.



4.1 Cube Details

Each High Yield Cube contains key information relevant to each respective Cube, including but not limited to:

- Asset
- Expiration
- Entry fee
- Performance Fee
- Return (annualized)
- Lock up period

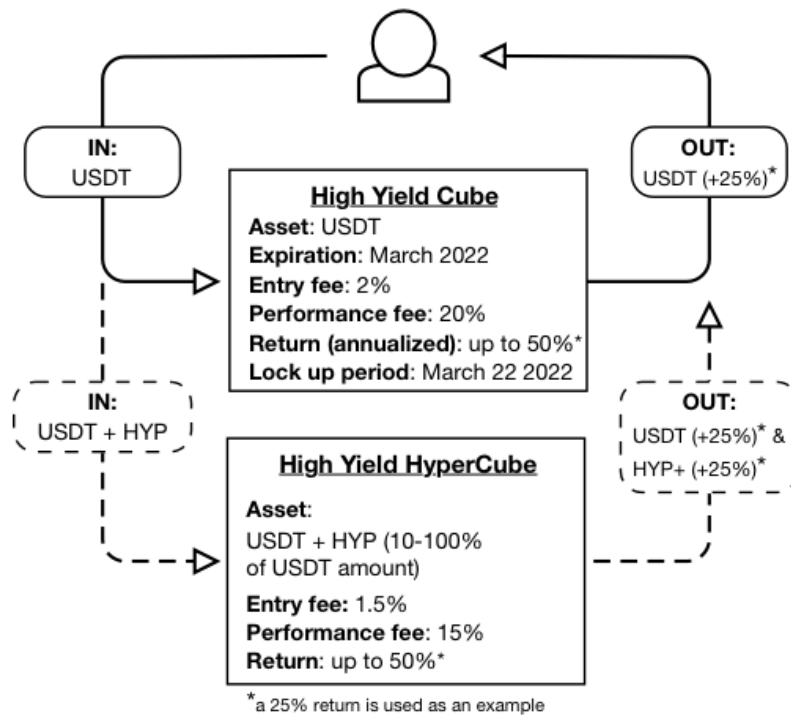
The information contained within High Yield Cubes such as asset, expiration, entry fee, return, and lock up period function similarly to previously mentioned Fixed Income Cubes. Performance fee represents the fee taken from the Cube's net profit. If a user withdraws their investment before the expiration, their deposit is subjected to a 20% early redemption fee.

4.2 High Yield HyperCube

A user may choose to upgrade from a normal High Yield Cube to an High Yield HyperCube, resulting in the user receiving an overall increase in rewards. This is done by depositing an additional 10-100% of the original investment in HYP. Once upgraded, High Yield HyperCubes reward users with HYP Tokens equivalent to the USDT value of the performance return.

4.3 Example

For example: consider an High Yield Cube with a variable return of up to 50% on USDT, a March 2022 expiration, an entry fee of 2% of the deposited USDT, a performance fee of 20% of the net profit, and a lock up period ending March 22 2022.

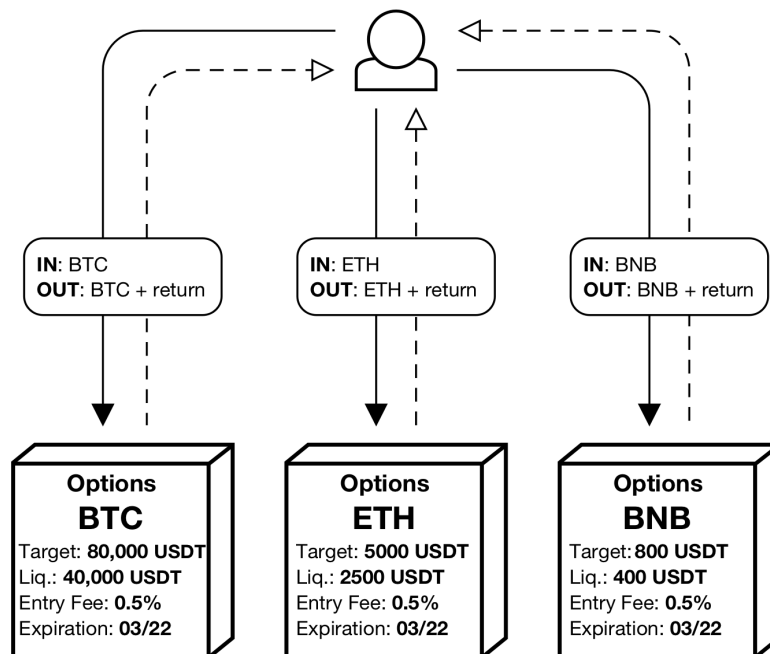


In this example, if the High Yield Cube yielded a 25% return, the user would receive a 25% return (minus a 20% performance fee). If the same High Yield Cube was

upgraded to a HyperCube, a user would receive both 25% of their deposited USDT along with 25% of the USDT value in HYP. Therefore, HyperCubes increase overall rewards by enabling users to earn a double variable return.

5.0 Option Cubes

Option Cubes enable users to make market predictions on a specific crypto asset. Users may select a long or short position based on their predictions and then generate a profit if the asset's price achieves the selected price value before expiration. Option Cubes are a more aggressive approach similar to a futures contract trade, with the added benefit that profit and potential losses are immediately visible in the Cube's structure.



5.1 Cube Details

Each Option Cube contains key information relevant to each respective Cube, including but not limited to:

- Asset
- Expiration
- Entry fee
- Target price

- Liquidation price
- Return (annualized)
- Lock up period

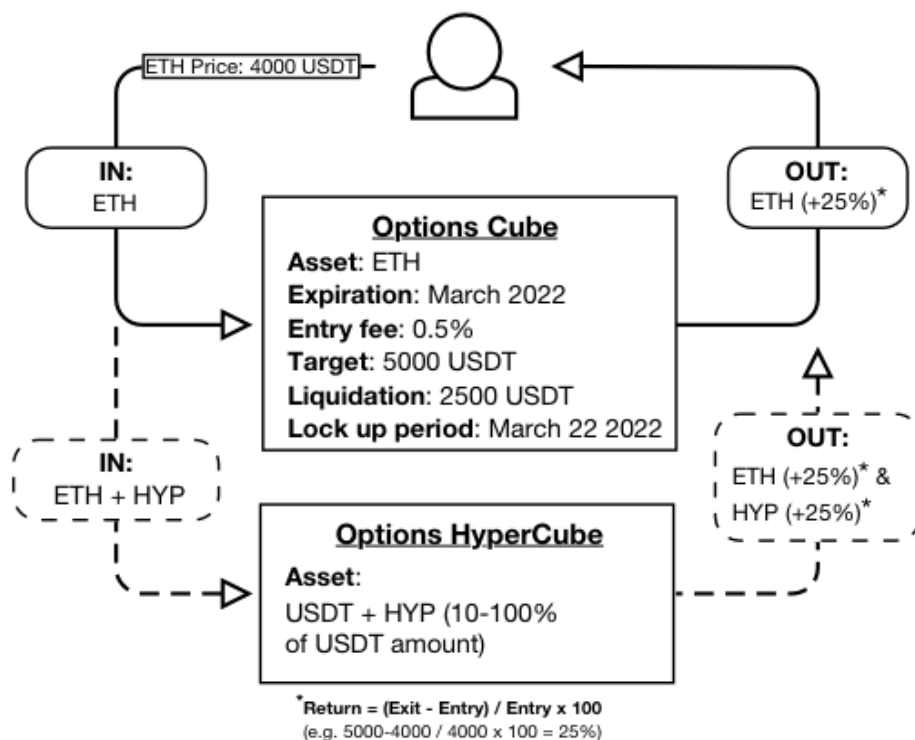
The information contained within the Option Cube such as asset, expiration, entry fee, return, and lock up period function similarly to the Fixed Income and High Yield Cubes. Target price represents the price at which the Cube automatically distributes the user's reward before expiration. Liquidation price represents the price at which a user's Option investment is liquidated (i.e. lost). If neither the target price nor liquidation price are reached by expiration, the user's return is based on the market price at expiration. If above a user's entry price, the user profits. If below the entry price, the user makes a loss.

5.2 Option HyperCube

As with other Cubes, users may choose to upgrade from a normal Option Cube to a Option HyperCube. This increases the user's overall rewards. To upgrade a Option Cube, users must deposit an additional 10-100% of the original investment in HYP. Once upgraded, Option HyperCubes reward users with a return on their original investment along with HYP Tokens equivalent to the USDT value of the performance return.

5.3 Example

For example: consider a Option Cube with ETH as the traded asset, an expiration of March 2022, an entry fee of 0.5%, a target price of 5000 USDT, a liquidation price of 2500 USDT, and lastly a lock up period until March 22 2022.

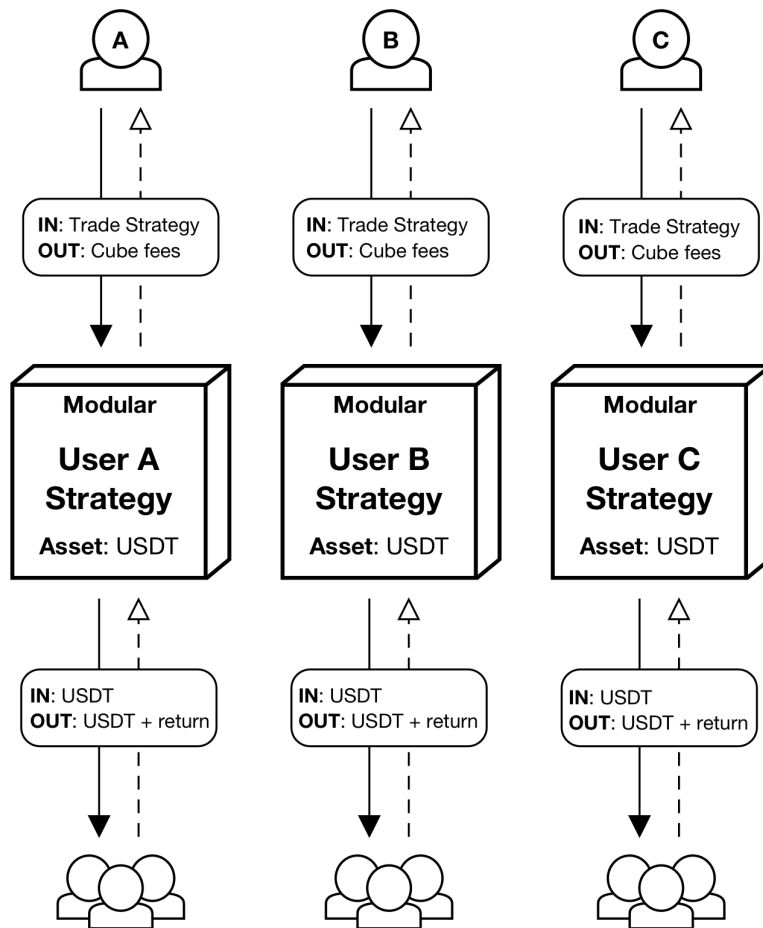


If the user were to deposit 1 ETH at a market price of 4000 USDT, and the price of ETH reaches the target price of 5000 USDT, the user would earn a 25% (0.25 ETH) return (minus fees). If the same Option Cube was upgraded to a HyperCube, the user would receive the same 25% return on their ETH deposit along with an equivalent amount of HYP Tokens (e.g. 1000 HYP at a \$1 HYP price).

6.0 Modular Cubes

Modular Cubes add another highly requested investment option to the Hyperdex platform. Hyperdex is among the first DeFi protocols whereby any user may function as a ‘fund manager’ by executing their strategy directly via a cube hosted on the Hyperdex platform. This enables users to create and deploy investment strategies, whereby anyone may then invest in them.

Modular Cube creators fill out a list of parameters (e.g. asset, expiration, etc.) and provide specific conditions for a trade signal to occur. Creators may implement either simple strategies whereby an asset is bought or sold at a certain time, or more complex strategies that leverage data points and indicators to create trade signals. Access to risk management tools such as standard stop orders will be provided.



As seen in the diagram above, this example shows three Modular Cube strategies created by three different users (User A, B, and C). The Cube creator simply initializes the Modular Cube and provides a strategy to follow, with fees earned as investors use the Cube. On the other end, investors may browse and select Modular Cubes that best fit their investment needs by depositing stablecoin assets (USDT) in hopes of a return upon expiration / exit.

This is very similar to High Yield Cubes, with the difference being High Yield Cubes are built by Hyperdex while Modular Cubes are built by users. Creators may also adjust their fee schedules to charge different management and performance fees, with a portion of both fees allocated to Hyperdex. Investors also have access to a variety of performance tracking tools.

For the first time traders without a deep programming/coding background can “Module” their own investment strategies with standard technical indicators and have the Hyperdex platform execute it for them. Usually the trading programs that offer the necessary tools to do so are difficult to code (e.g. metatrader, tradestation, etc.) and

typically require a software development background. However, with Hyperdex, anyone can easily become an algorithmic trader.

6.1 Parameters

In order to create a Modular Cube, the creator must fill out a set of parameters relating to the Cube details and investment strategy. On the other end, investors may review this data to better inform their investment decision.

These pieces of information include but are not limited to:

- **Username:** the username of the creator
- **Description:** strategy description
- **Timeframe:** the timeframe of the strategy
- **Expiration:** expiration date of the Cube
- **Fees:** the Cube's fee schedule
- **Asset:** the stablecoin asset invested

6.2 Functions

Creators may implement simple or complex strategies based on a combination of resources such as limit orders, stop orders, technical indicators, and more. Based on these combined functions, orders may be placed automatically via the Binance chain to trade USDT or COIN margin future contracts. Cube creators may also trade discretionarily in addition to implementing an automatic system. The resources available for creating trade signals will increase over time, along with risk management tools.

These strategy functions include but are not limited to:

- Standard order types (Limit, Market, Stop)
- Technical and Graphical Analysis indicator signals
- Leverage (up to 10x)
- Time-based orders (e.g. buy everyday at 12:00)
- Reverse (automatically flip a position's direction)

6.2.1 Position Data

Investors will at all times be able to see the Cube's data and performance via a plugin, which displays the relevant performance data pertaining to the Modular Cube investment.

Investors will also see performance data relevant to their individual position, such as PNL.

6.2.2 Proportional Stake

Upon entry, a user's proportional share of the Modular Cube's liquidity pool is recorded in order to accurately reflect each investor's PNL according to their entry and exit.

6.2.3 Scoreboard

The performance data of each Modular Cube will be listed on the Hyperdex platform in two forms: live and historic. Live performance is available in real time in order to show a rank based on current data. Historic performance is available upon expiration, where the final performance data will be listed in the closed Modular Cubes section.

The ranking of each Cube 'manager' (i.e. the username of the creator) will be displayed on the Hyperdex platform, enabling users to find top performers backed with historical data.

6.3 Fees

Modular Cube creators will be able to assign a fee schedule similar to that of an High Yield Cube, whereby they may select from a specific range both the management and performance fee. Management fees are applied upon entry, while performance fees are applied upon expiry / exit. Furthermore, Hyperdex will be allocated a fixed percentage of the fees assigned by creators in addition to a setup fee paid by users upon deposit.

Modular Cube Fees

- **Management:** 1-3%
- **Performance:** 10-30%

Hyperdex Commission Fees

- **Management commission:** 50% (of the 1-3% fee)
- **Performance commission:** 20% (of the 10-30% fee)

- **Cube setup fee:** 0.3-0.5%

Early Withdraw Fee

- 20% (applicable to HyperCubes)

6.4 Types

There are two types of Modular Cubes: basic and premium. Basic cubes include basic features such as limited TA tools and more. Premium cubes include everything a basic cube has plus additional features such as increased TA tools, maximum leverage and more. Both cubes also have different activation thresholds, whereby a minimum investment deposit is required to invest in a cube.

Basic

Basic Modular Cubes include access to a limited number of trading resources such as limited TA functions as well as limited leverage.

Minimum activation investment:

- 1000 USDT

Premium

Premium Modular Cubes include access to everything a basic cube has as well as more trading resources such as a variety of TA functions, more leverage, additional indicators, and more.

Minimum activation investment:

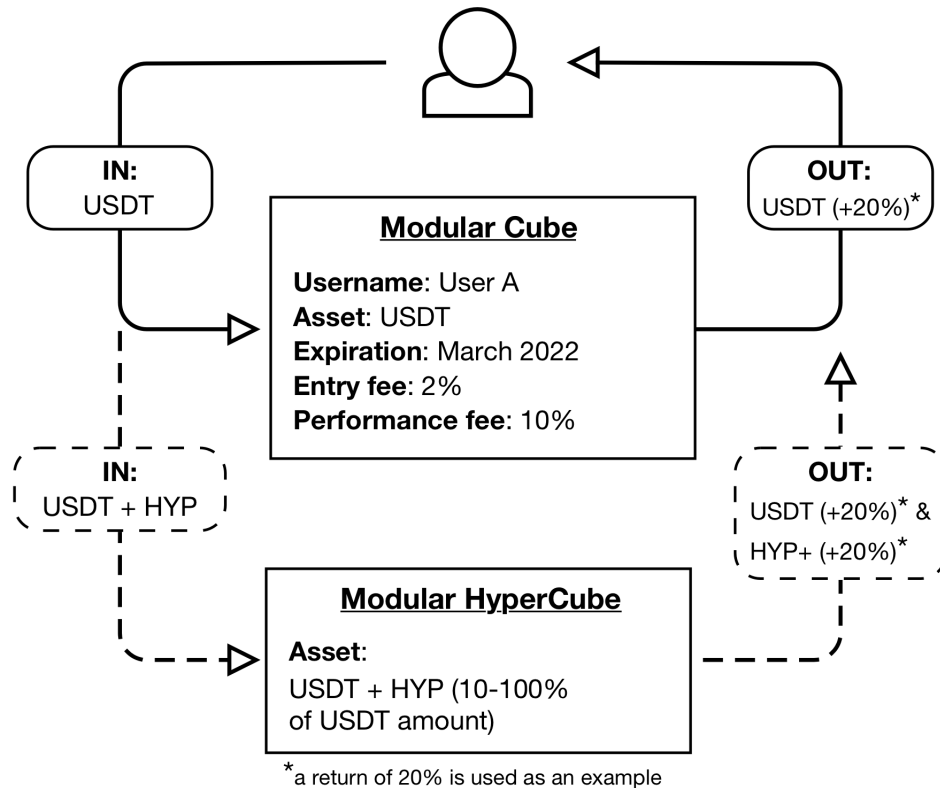
- 5000 USDT

6.5 Modular HyperCube

A user may choose to upgrade from a normal Modular Cube to a Modular HyperCube, resulting in the user receiving an overall increase in rewards. This is done by depositing an additional 10-100% of the original investment in HYP. Once upgraded, Modular HyperCubes reward users with HYP Tokens equivalent to the USDT value of the performance return.

6.6 Example

Consider a Modular Cube that trades the ETH/USDT pair when specific conditions are met. In this case, the conditions are when a buy signal is created from the Relative Strength Index (RSI) indicator trending downwards into oversold levels. A sell signal is created from the Relative Strength Index (RSI) indicator trending upwards into overbought levels, selling ETH for USDT.



Here, the investor would deposit USDT and the Modular Cube would automatically execute the previously mentioned strategy. Whenever the conditions are satisfied, the Modular Cube will automatically buy and sell according to the strategy. Here, a +20% return is earned by the strategy, and distributed back to the user. From this 20%, a performance fee of 10% is charged according to the fee schedule. From this fee of 10%, a further 20% is charged as commission by Hyperdex (2%).

In this example, if the Modular Cube was upgraded to a HyperCube by depositing additional HYP tokens, it would have earned a +20% return on the deposited USDT + an additional +20% return on the HYP tokens.

Another example of a strategy that may be implemented into a Modular Cube is one where a buy signal is created when EMA1 crosses EMA2 in combination with MACD rising. Whenever these conditions are met, the Cube will automatically execute the predefined strategy. This enables anyone to have access to investments based on algorithmic trading.

6.7 Benefits

Anyone, no matter their age or background, may build a name for themselves based on nothing but their performance. Performance data is securely stored on the BSC blockchain, ensuring the data's integrity and providing a clear and verifiable track record of a user / Cube's performance. In addition to Hyperdex investments, Modular Cubes provide investors with a diverse set of investment opportunities created and maintained by other users.

6.8 Edro NFTs

When creating a Modular Cube strategy, the creator may also create a certain amount of Edro NFTs. These NFTs may be sold to users, who may then claim a portion of future fees generated by the strategy. The proceeds from the sale go to the strategy creator.

The creation of Edro NFTs is **not** a requirement when creating and deploying a Modular Cube strategy.

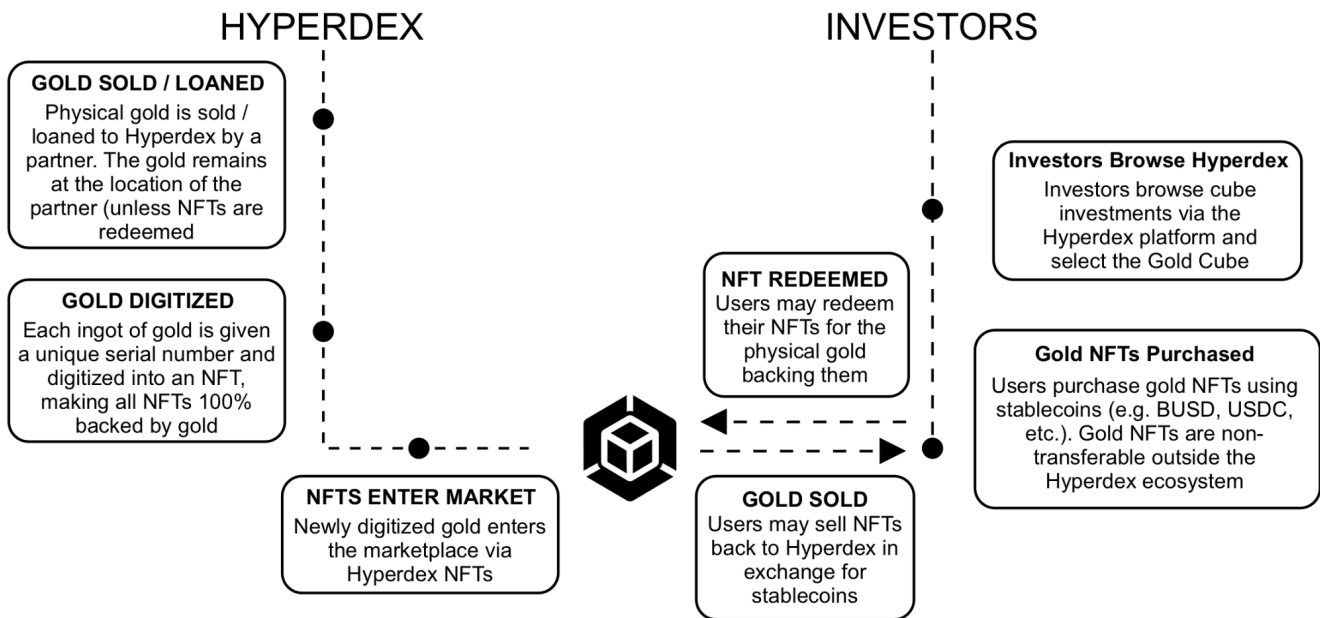
7.0 Gold Cube

The Gold Cube enables users to easily purchase gold-backed NFTs using stablecoin assets (e.g. BUSD) directly via the Hyperdex platform. Gold Cube NFTs are non-transferable and may either be sold back to the Hyperdex platform or redeemed for the underlying gold (additional costs and requirements may apply).

7.1 Cube Details

Each digital token generated by the Gold Cube is back by a specific physical gold ingot. Gold ingots will have a variable size ranging from 10 up to 1000 grams (1 kg) of gold. Each ingot will have its own serial number in order to keep track of and ensure all tokens are 100% backed. Additionally, each ingot is deposited in a prime tier 1 bank / financial institution, with each deposit certificate number included within the smart

contract linking the deposit with the tokens. Users may only purchase the tokenised gold tokens via the Hyperdex platform.



7.2 Purchase

Users may purchase Gold NFTs using select stablecoin assets. The price of gold is determined by taking a time-weighted average of the top gold exchanges in the world. Once purchased, Gold Cube NFTs become non-transferable. Holders then have the choice of either selling their NFTs back to Hyperdex, redeeming them for the underlying gold, or simply holding them.

7.3 Sale

Holders of Gold Cube NFTs may choose to sell them back to Hyperdex at any time. The sale price is determined by the aforementioned time-weighted average price.

7.4 Redeem Gold

If a minimum requirement amount is met, holders of Gold Cube NFTs may choose to redeem them for the underlying physical gold backing them. Upon doing so, the user may also be subject to additional shipping and handling costs.

8.0 HYP Token

Name: Hyper Token

Symbol: HYP

Type: BEP-20

Network: Binance Smart Chain (BSC)

Supply: Inflationary

HYP is the Hyperdex platform's utility token. The primary purpose of the HYP token is to allow the users to participate in a decentralized democratic decision process in order to decide what happens with the Hyperdex ecosystem. The HYP token holders are in power of what happens in the ecosystem. This will allow holders of the governance token to vote on protocol improvements, making Hyperdex a fully decentralized protocol.

Additionally, those that hold the governance token are provided with the opportunity to interact with the protocol further via: Incentivising liquidity providers, increasing rewards from cubes and staking.

HYP Governance Token Utilities:

- **Governance** - HYP, as the governance metric, can be used to vote on improvement proposals and adjustments (e.g. fees) made to the ecosystem.
- **Incentivising Liquidity Providers** - Holders of HYP may deposit LP tokens in the farm in exchange for rewards over time.
- **Boosting Investment cubes** - Holders of the HYP token may also deposit HYP tokens into cubes and pools to enhance their rewards
- **Staking** - HYP holders may stake HYP to earn a portion of fees generated by the platform

8.1 Governance

The long term goal of Hyperdex is to achieve a status similar to that of a Decentralized Autonomous Organization (DAO). This means a majority of decisions about the platform's activity will be proposed, voted on, and changed by Hyperdex users. In order to do this, we will introduce the governance token: 'Tesseract'.

Every 6-12 months, all users owning HYP tokens will be granted Tesseract tokens. For every 100 HYP tokens, 1 Tesseract token will be generated and sent directly to the user's wallet. With Tesseract tokens, users may participate in voting on improvement

proposals to the Hyperdex platform (e.g. minting rate of HYP tokens, changing Cube fees, etc.).

All Tesseract governance tokens will expire one minute before the next snapshot, whereby new Tesseract tokens will be minted according to the same criteria. This is done in order to ensure the real majority of HYP token owners control the platform as well as to protect against malicious actors (e.g. purchasing a large quantity of governance tokens to influence a single vote, then immediately selling them after the vote is complete). Tesseract governance tokens are non-transferrable. By doing so, Tesseract tokens are reserved solely for voting, and may not be deposited and traded on an exchange / liquidity pool.

8.2 Pre-sale

There will be four distinct sales with a HYP price ranging between 0.075 - 0.50 USDT. Each sale will have a specific vesting period subject to the tokens sold.

Private Pre-Sale

- Price: 0.075 USDT
- Vesting: first month 3% + 20 months at 4.85% distribution per month

Strategic Pre-Sale

- Price: 0.15 USDT
- Vesting: first month 4% + 18 months at 5.3333% token distribution per month

Public Pre-Sale

- Price: 0.25, 0.35, 0.45 USDT
- Vesting: first month 5% + 12 months at 7.9166% token distribution per month

IDO

- Price: 0.5 USDT
- Vesting: first month 7% + 3 months at 31% token distribution per month

100 million Hyper Tokens will be allocated to Hyperdex, with the rest sold to pre-sale investors. If the hard cap of 200 million tokens minted is not reached, the remaining tokens will be allocated to Hyperdex.

Example:

If 7,000,000 USDT is raised, 70,000,000 out of 100,000,000 HYP will be minted.

The remaining 30,000,000 HYP will be allocated to Hyperdex.

If there are remaining HYP tokens once the pre-sale phase has concluded, they will be used to help increase HYP buy pressure. This may come in the form of community airdrops, contests, incentives, or even burning the tokens altogether.

Once the platform launches, the minting process will occur as described in this paper, where users may only receive HYP Tokens by participating in HyperCubes or via the secondary market.

8.3 Liquidity

The primary risk associated with any token is its liquidity. If liquidity is not present for a token, it can lead to highly volatile price action. The market of the platform's token may be illiquid at times, especially during the early stages of token adoption.

To address liquidity issues, Hyperdex will create an initial liquidity token pool with the token value set at 0.15 USDT. The pool will have continuous USDT flows, as 10% of the overall commissions gained by the Hyperdex platform will be distributed inside the liquidity pool automatically.

8.4 Minting

After the pre-sale phase, tokens will be minted every time a user's profit is due. In order to mint tokens and prevent inflation or deflation issues, HyperCube's profits will be minting only the Hyper Tokens expected from the percentage reward.

$$\text{Tokens Minted} = [\text{profit in USDT}] / [\text{Hyper Token USDT value}^1]$$

For example: a 100 USDT fixed-income HyperCube return would result in a 20 HYP payout with a HYP market price of \$1. This payout would be 10 HYP if the HYP market price was \$2 at expiration (i.e. rewards are quoted in USDT and distributed in HYP).

8.5 Initial Supply

¹ The price will be based on a 24 hour time-weighted average price.

In the pre-sale phase, up to 200,000,000 HYP Tokens will be minted and distributed accordingly:

- **LP Liquidity Pool:** 50%
- **Reserve Liquidity:** 25%
- **Developers:** 10%
- **Marketing:** 10%
- **Contingency Fee:** 5%

Afterwards, during the regular phase, the minting of new HYP Tokens will occur upon reward. This occurs when rewards from a HYP Fixed Income Cube, any HyperCube, farming, or the referral program.

8.5.1 Network Fees

The Hyperdex platform charges a commission fee for Cube investments. Any new USDT or other crypto asset investments will not result in new tokens being minted, but will instead directly deduct fees from the investment.

For example: a user invests into a Fixed Income USDT HyperCube by depositing 1000 USDT and 1000 HYP. The commission in this example would be 3 USDT (0.3%) along with 3 HYP (0.3%).

9.0 Tetra NFT

Tetra NFTs are tokens that enable the holder to claim a portion of fees generated by Cubes on the Hyperdex platform. In order to acquire a Tetra NFT, the user must have deposited an equivalent of \$100,000 into the platform. Each NFT may claim 0.1% of the 50% of fees allocated to Tetra NFT holders (i.e. of the aggregate fees collected, each Tetra NFT is entitled to 0.05%).

If the amount of Tetra NFTs exceeds 100, holders will then be entitled to a proportional percentage of fees rather than a fixed 0.1% (0.05% aggregate).

10.0 Edro NFT

Edro NFTs function similarly to Tetra NFTs. In order to acquire an Edro NFT, the user must have deposited an equivalent of \$10,000 into a specific Modular Cube

strategy. In the case of Edro NFTs, holders earn a portion of the fees generated by a specific Modular Cube strategy.

11.0 Token Swap

Users are given the opportunity to stake liquidity into Hyperdex swap pools in return for a percentage of the swap fees. This is done by simply staking both tokens into the respective liquidity pool in return for an LP token. LP tokens represent a user's proportional share of the liquidity pool.

For every swap, a 0.25% fee will be deducted from each transaction and distributed as follows:

- 0.17% allocated to liquidity providers
- 0.08% allocated to the Hyperdex platform

12.0 Farm

After staking liquidity in the token swap and receiving LP tokens, users may then take their LPs and stake them into the farm. Staked LP tokens enable users to earn more rewards over time. However, users must note that Hyperdex farming pools are based on a Fixed Income return. The planned annualized return of the farm is set to 20%.

13.0 P2P Loan Exchange

Hyperdex will include a peer-to-peer (P2P) Loan Exchange whereby users may borrow or loan digital assets amongst each other. A number of variable parameters will be available such as the preferred assets, amount of collateral required, expiration, interest rate per annum, and more.

Example:

Alice would like to borrow 10,000 USDT.

Bob may ask Alice for collateral in multiple assets (e.g. ETH, BTC, XRP, ADA) equivalent to 20,000 USDT (100% of the loan) + an interest rate of 7% per annum.

If Alice (or someone else) accepts Bob's proposal, a loan transaction may be automatically executed.

In the example above, if the proposal was accepted, the Hyperdex platform would then act as a guarantor for Alice and Bob, automatically settling the agreement upon either Alice's repayment of the loan, expiration of the agreement, or liquidation of the assets if the value falls below a certain threshold.

Loans may be reimbursed at any time, unless the offering peer sets a hard maturity parameter whereby the borrower must wait until expiration. An additional 'Mayday' liquidity emergency tool will be implemented, where the borrower may add additional liquidity in the event the collateral is approaching the liquidation threshold.

14.0 Referral Program

Hyperdex has developed a referral program to reward any promoter who successfully onboards new users. The referral system acts through the promoter's wallet, with a unique referral code generated to represent a promoter's referral.

With the referral code, the user will generate 3-5% more HYP token profit on Cube investment at the first expiration / renewal. An additional 3-5% Hyper Tokens will be minted and allocated to the promoter as soon as the user invests in the Cube. The user will be allowed to use the referral code only once per Cube.

15.0 Conclusion

Hyperdex is creating a platform to effectively act as a gateway to DeFi for all types of investors, with or without prior DeFi knowledge. This is accomplished via a series of investment strategies offered in the form of so-called Cubes. Cubes come in the form of Fixed Income Cubes, High Yield Cubes, and Option Cubes. Each Cube has different risks as well as returns. Cubes may be upgraded to HyperCubes through the use of HYP Tokens, which increases the user's overall return. Users may also stake tokens in Hyperdex liquidity and / or farming pools for additional rewards.