

1 Overview

Kardia Info is a service aimed at providing its users the most accurate and up to date information regarding all things kardiachain. It will come in a format of a dapp where users will have access to several features that will enhance their experience on kardiachain and make certain tasks significantly easier. There will be two main sections to the dapp - namely: the info section which does not require the user to connect their wallet using web3 technology, and, the service section which does require the wallet to be connected. Both will be described in detail below.

2 Features that do not require web3 (info section)

2.1

Kardia info will provide users with the ability to view up to date prices, market caps, volumes and graphs of historical price action of all verified the tokens on kardiachain with a simple and intuitive user interface. This will make it easier for users to make more informed decisions as they will have a better understanding of what they are buying into. For reference, it will work and look a bit like coinmarketcap.

2.2

Kardia info will also provide up to date information on LP tokens, namely - their price, the amounts of tokens they consist of, graphs to view historical price action, the yield farms they can be put in to maximise returns, projected returns calculator - the user has to input how much they are willing to invest and the calculator will tell them how much they can expect to make over a time period as long as nothing changes. This will ease out the process the users have to take now with unstaking one LP token and calculating all that information manually.

Overall the information section of the dapp will greatly benefit everyone in the community by making certain difficult tasks easy.

3 Features that require web3 (service section)

To use these features the user will have to deposit at least 5% of the wallet USD value into the **info pool** - a place where users can earn interest on their info tokens. How the pool works will be described in more detail below.

3.1 Wallet Dashboard

The wallet dashboard - this is where the user can view and analyse the current state of their wallet - specifically:

- The current token balances and their USD value + PnL
- Wallet value history - this will be displayed in a graph so that the user can see how the USD value of their wallet progressed over time.

- Transaction history - Like the explorer but displays the USD value.
- Information about each of their active yield farms, which includes:
 1. The USD value of the LP tokens invested
 2. The impermanent loss
 3. The PnL
 4. daily return on investment (% and USD values) - assuming nothing changes
 5. Future projections - assuming nothing changes and all rewards are compounded.
 6. All of the above but for the yield farms combined

Note: The above feature will account for all tokens staked in either vaults or pools and farms including tokens and LP tokens.

3.2 Special Toolkit

This feature allows the user to complete certain difficult tasks with a click of a button - specifically:

- Panic seller - Liquidate all positions into a token of choice
- Panic sell preventer - lock tokens for a period of time without the ability to take them out until a set amount of time passes. Tokens locked here will not be displayed in the wallet dashboard.
- Send all tokens to another address - useful if you accidentally gave away your private key.

Note: the special toolkit is very powerful so before being able to access it the user will have to input a code. This code will be stored on the blockchain in an encrypted form. The user will have to input this code if they wish to use any features within the special toolkit. The reason for this is that if a hacker or scammer decides to use the service to send all tokens to their address, they will not be able to do it, they will have to send the tokens one at a time, but, if the user notices this, they can use the service to quickly transfer everything they've got left with a massive transaction fee to frontrun the hacker and save some of their funds.

3.3 Info Pool

As mentioned above, in order to use the wallet related features, the user will have to have at least 5% of the wallet value locked in it. The pool will accept info tokens - the token of Kardia info or the KAI-INFO LP.

4 Tokenomics

1. The maximum number of info tokens will be - **5,000,000**
2. The initial supply - **1,000,000**
3. **100,000** - to for the founder to use in a sensible and responsible manner.
4. **100,000** - For the ICO to fund development
5. **500,000** - For the IFO sold at 1 USD per coin:
 - (a) 50% of the exchange tokens will be burnt
 - (b) 250000 USD worth of the raised KAI will be used as follows

- i. 80% will be joined with 200,000 INFO into lps and burned as to provide liquidity forever
 - ii. 20% to use for development purposes
6. **100,000** - Locked in the Panic Sell Preventer for a year and their fate will be decided by the community.

After that 1 token will be minted each block to serve as pool rewards.

The pools themselves will have mechanics to incentivise the holding of the token and ensure that there is no significant inflationary pressure. They will do this through the use of a new technology - the individual multiplier. The pool rewards will be split 60/40 between the farm and the pool as it is only logical that liquidity providers earn more rewards as they incur more risk. So 0.6 of a token goes to the farm and 0.4 to the pool each block. These rewards are then given out to users based on their %contribution to the pool or farm. So if there are only 2 people staking in the pool - Carl and Lara - with Carl with 9,000 tokens and Lara with 1,000 tokens - Carl will receive 90% of the rewards while Lara will receive 10%. Now, this is where the personal multiplier comes in. In essence it is a number that increases from 0.1 to 1 over the period of a month for each individual user. As soon as the user stakes some coins, the individual multiplier starts off with 0.1, then each block it increments and reaches 1 after 30 days - if a user decides to stake or compound tokens, the personal multiplier stays unchanged, but if the user decides to unstake tokens, it returns back to 0.1. What this means on an example is that Lara's stake in the pool is 10%, but her personal multiplier is 0.1 - this means that instead of receiving 0.04 INFO per block, she will be receiving 0.004 INFO, as time progresses however, her personal multiplier will grow and after 15 days it will be 0.55 so now she will be receiving 0.022 INFO per block. If Lara decides to unstake her tokens (any amount) the personal multiplier will return back to 0.1. She is allowed to harvest rewards without reducing her multiplier just like compounding or adding more tokens.

The unused tokens will be sent to a waiting address which will distribute them as pool/farm rewards once all of the tokens have been minted (4,000,000). And repeat until the waiting address has 0 tokens at which point the pool/farm could end with the service becoming free for all or more tokens will be minted to continue the rewards by setting the maximum tokens to a larger value (to be decided by the community when the time comes).

Ultimately what this will achieve is that there is significantly less inflationary pressure and more incentive to hold for the long-term to maximise rewards.

5 Conclusion

Ultimately the creation of Kardia info will bring significant value to the ecosystem through the provision of essential features that as of now do not exist elsewhere. Furthermore it will also bring a new totally new concept to the world of DeFi - the individual multiplier which will make for an entirely new yield farming experience where inflation is no longer a problem.

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