OctoDeFi

OCTODEFI

BLUE PAPER

NONCUSTODIAL TRADING WALLET-PLATFORM

OctoDeFi enables automated trading on all DeFi platforms on the underlying blockchain without a central authority. You experience user-friendly DeFi without any compromises.
DeFi as it should be!

MOST FLEXIBLE WALLET IN THE ECOSYSTEM!

OCTO WALLET

A customizable, smart contract noncustodial wallet on the blockchain with Diamond standard. The functions of the standard wallet can be adjusted as required by the user with a simple click.

ACCOUNT ABSTRACTIONS

The new ERC-4337 standard allows the creation of a wallet on the blockchain without releasing private keys. Creation can take place using Web3 applications such as MetaMask and even social media accounts.

STRATEGY BUILDER

Long, short, buy and sell orders, get the best coin price of all DeFi platforms, DCA, leverage. All of this and more is possible with the Octo Wallet and Strategy Builder.

Octo Wallet

The Octo wallet is based on the diamond standard ERC-2535! This gives every user the opportunity to optimize their wallet according to their functional needs. Every wallet therefore looks different and functions differently. With a simple click, features are added and removed directly in the browser. All that is necessary is to sign the Octo-Wallet once using a Web3 app like MetaMask or a social media account.
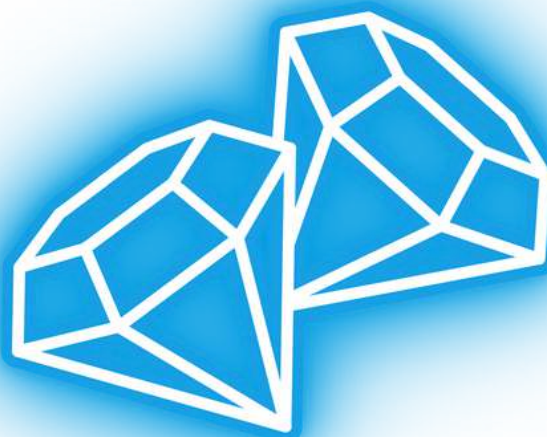
Technical Details

The Octo wallet works like an app store, functions can be added and removed. Each function represents a smart contract on the blockchain.

In the Octo wallet, the functions are only linked. For this reason, the Octo-Wallet, which is itself a smart contract, can be quickly and easily expanded with any functions with a click.

These external functions are called "facets".

The core "facets" are: Loupe, Cut, Ownership, Wallet.

Diamand

Octo Wallet

Loupe/Inspect

Loupe helps identify which features belong to which Octo-Wallet. This allows you to see which features are associated with the wallet.

Ownership

In addition to the actual validation of the owner, this function also allows the Octo-Wallet to be passed on to others, create a multisig wallet and use social recovery.

Cut

Cut allows you to easily modify the Octo-Wallet. New functions can be added and unwanted ones deleted. This allows highly specific wallets with extensive functions.

Wallet

The heart of the wallet is account abstraction. This enables sending, receiving and interacting with other protocols on the blockchain.
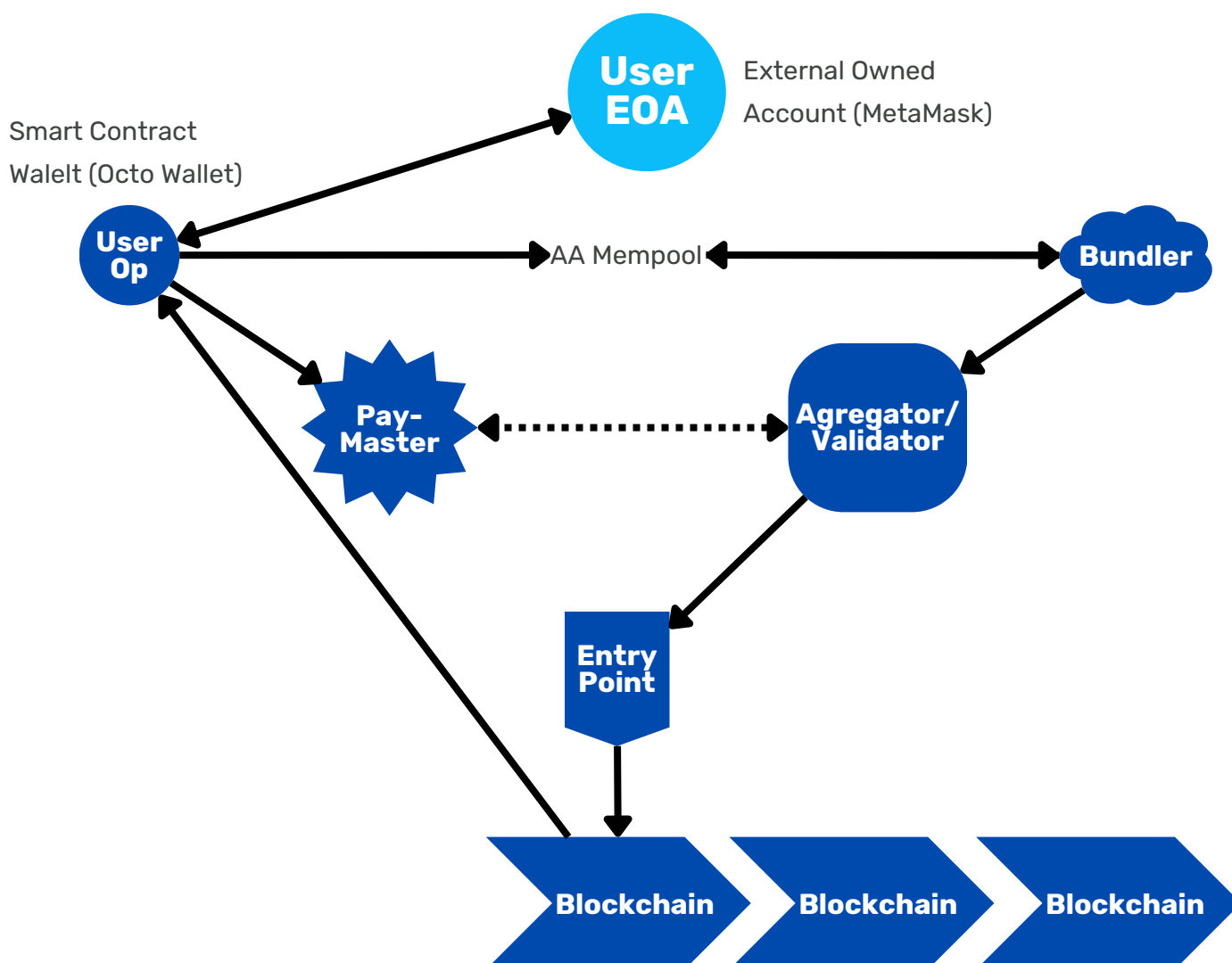
Account Abstractions

The ERC 4337 standard allows you to create a wallet directly on the blockchain without giving away the private key. Creation is possible with Web3 apps like MetaMask and even social media accounts. This simplifies interaction with the blockchain while still remaining secure.

In addition, no native coins are required for the transaction fees, as these can be paid without restrictions with all assets available on the wallet.

Account abstraction in Octo-Walelt enables complex command flows that would require dozens of separate transactions to be executed with just one click.

Technical Details

There are 5 main functions that are necessary for account abstraction. UserOperation, Bundler, EntryPoint, Aggregators, and Paymasters.

User EOA

External Owned Account (MetaMask)

Smart Contract Walelt (Octo Wallet)

User Op

AA Mempool

Bundler

Pay-Master

Agregator/Validator

Entry Point

Blockchain   Blockchain   Blockchain

Account Abstractions

User EOA

An EOA is an External Owned Address (Wallet). It can be MetaMask or a social media account. EOA is the owner of the Octo-Wallet and is authorized to sign user ops.

Bundler

The bundler has the function of bundling all UserOps in the mempool and sending them on as one large transaction.

Entry Point

The entry point now takes over the settlement on the main layer of the blockchain. From this point onwards, the transactions previously requested by the EOA are available via the Octo-Wallet.

User Operation

The commands to be executed by the EOA are not written directly to the blockchain as usual, but are managed via UserOP (Octo-Wallet). The Octo-Wallet sends the information to a separate mempool and pays the paymaster.

Agregator/Validator

The agregator receives the bundled transactions from the bundler, checks the transactions for executability & fees paid. It then sends the transaction to the entry point.

Paymaster

A paymaster can cover the transaction costs. This puts an end to headaches about gas fees because Transaction costs can be paid with any token.

Strategy Builder

Thanks to our strategy builder, the Octo-Wallet will not only be easy to use, but also customizable. Functions that were previously only reserved for centralized exchanges can now be carried out decentrally by anyone.
In the Octo-Wallet we will initially focus on trading functions such as short, long, limit order, future contracts, vault management, DCA, leverage and abitrage trading across platforms.

Technical Details

The Octo-Wallet can be linked to new strategies directly in the browser with a click. Both the Octo-Wallet and each tactic and strategy represent their own smart contract with function and interaction with a different protocol.
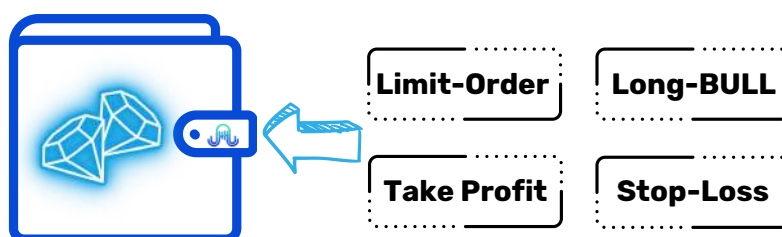Thanks to the ERC-4437 standard, the Octo-Wallets smart contract can be changed as often as you like. The linking of tactics and strategies is ensured by the facet "cut".

Example

A user wants to enter the market at a certain price in order to open a long position. At a higher price, he wishes to take profits and at an even higher price he intends to close the position in profit.

Tactics

The Octo-Wallet must be expanded to include the following tactics to ensure the functionality of the desired trading strategy.

Limit-Order	Long-BULL	Short-BEAR	Take Profit	Stop-Loss
DCA	Best-Price	Borrowing	Lending	Vault
Shift	Leverage	Abitrage	Cross-Chain	

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Strategy

In addition to individual tactics, the Ocot-Wallet will also offer strategies approved by the OctoDeFi team.

These strategies already contain the necessary tactics (a strategy always consists of tactics) to execute a trading idea. All pre-built strategies can be added and removed at will.
Manual strategies can also be created and even shared with other users.
This allows the Octo-Wallet to be used independently from the OctoDeFi team.

Additionally, strategies can be linked to automation.

Automation

Automations allow you to set triggers to execute a strategy.

There are two different types of triggers:
1. Time-Based Trigger: (e.g. DCA)
2. Conditional Trigger: Price events or other events such as Vault Health Level (Limit Order)

In addition, every trigger has a validity:
1. Good till cancel,
2. expiry date
3. Delete if executed

NFT & Token

Part of our Octo-Ecosystem are 1.000 NFTs which will enable hodlers to mint the $OCTO Token. The NFTs were given out for free to the Community by participating in our free DeFi-Bets Game Seasons.

NFT Benefits

NFTs Hodlers are granted special Benefits on OctoDeFi, depending on their NFT-Rarity.

Diamond

- 2000 Free transactions
- 200 DUSD Start-Capital
- 50% less fees
- Exclusive Club-Membership, Sharing of Trading-Strategies & Market-Insights).
- Early Access to new functions
- Staking (minting) & 20x $OCTO earnings

Gold

- 800 Free transactions
- 50% less fees
- Exclusive Club-Membership, Sharing of Trading-Strategies & Market-Insights).
- Early Access to new functions
- Staking (minting) & 10x $OCTO earnings

Silver

- 400 Free transactions
- Early Access to new functions
- Staking (minting) & 5x $OCTO earnings

Bronze

- 200 Free transactions
- Staking (minting) & 2x $OCTO earnings

Classic

- 50 Free transactions
- Staking (minting) & 1x $OCTO earnings

Octonomics

As OctoDeFi is our third project, we want to give our long-time followers a special thanks.
We believe in Decentralization and also in the strength of the community. That is why all our
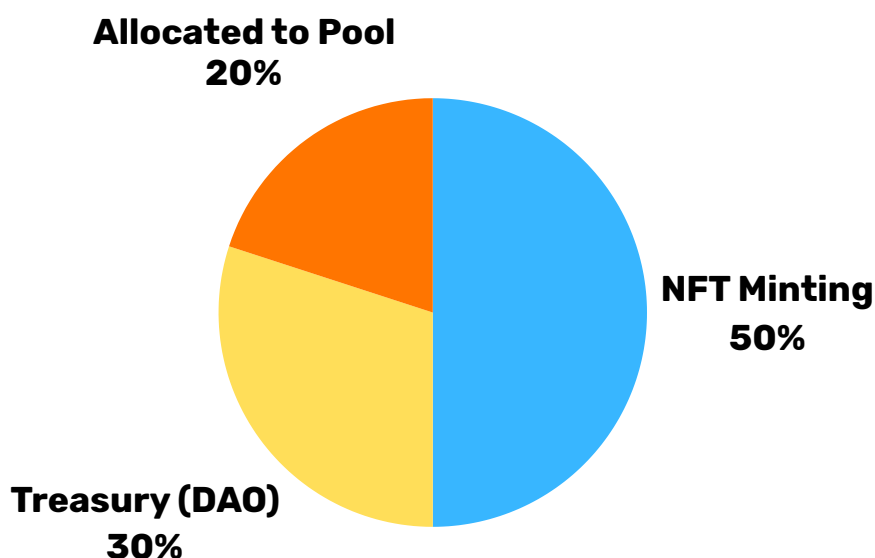CryptoOcto NFT hodlers will be granted first access to our $octo Token.
In fact, it is the only way to get access to the token, as there will be NO ICO. Our $Octo token
is a 100% Community Token. Only mintable if you own one of our CryptoOctos. Later on
$octo will be tradable on a normal DEX.

The following chart shows the simplicity of our Tokenomics (Octonomics).
We will use 20% of all $octos to build pools on Decentralized Exchanges.
Another 20% goes to our upcoming DAO Treasury.
And 60% of all Tokens can be minted by the community!

Allocated to Pool
20%

NFT Minting
50%

Treasury (DAO)
30%

Future

Octo-DeFi focuses on user-experience in the DeFi sector and becomes an all-you-need
trading platform.

The possibilities for new features are endless and will be available across blockchains in the
future. A simple registration with social accounts will open the gates to users unfamiliar with
Web3 and still ensure the DeFi idea of "Not Your Keys, Not Your Coins".

Octo-DeFi acts as an intermediary between the DeFi project and the user. The modular
wallet with access to different blockchains will enable more users to use real DeFi faster,
with less effort and costs.