BLOCKCHAIN: What's Defi? How to build a defi app?

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CONTENTS



PART 1

A disruptive innovation - Decentralized financial



PART 2

Defi products Introduction



PART 3

What we will build today?

PART 1

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A BRIEF INTRODUCTION TO

A disruptive innovation - Decentralized financial

Cefi

 CeFi consists of a financial system in which users trust their funds to third-party entities. Users of CeFi services essentially trust the people managing the businesses to uphold high ethical standards. This same trust feature is an import from the traditional financial space.

NiteMatrix

Binance, Coinbase, Kraken

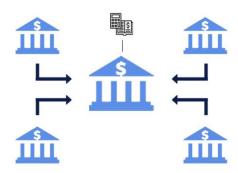
Defi

◆ DeFi is an acronym for decentralized finance - a movement that champions the provision of P2P financial services. DeFi solutions give users greater control over their transactions. They achieve this by eliminating centralizing authorities from the execution.

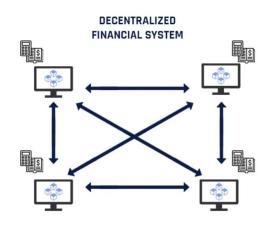
Nite/Matrix

Compound, Maker and Uniswap

TRADITIONAL FINANCIAL SYSTEM



A centralized ledger tracks within the finanacial system



A decentralized / distributed ledger is held by all on the network eliminating the need for a central authority

Cefi VS Defi

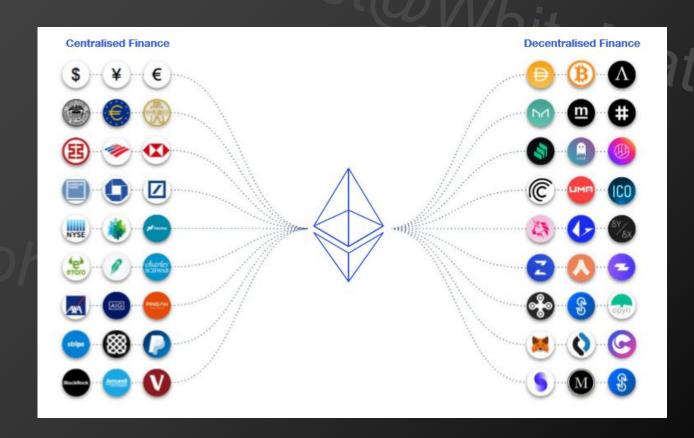
Cefi

- Central authority
- Traditional database
- Third party involvement
- Lack of transparency
- Customer support

Defi

- No central authority/ Users have full control
- Based on Blockchain
- No- third party involvement
- Transparent
- Permissionless
- Less or no customer support

The beauty of DeFi is that anyone with a device and internet can have access to financial products.



Fast-growing TVL

Total Value Locked (USD)

\$32.78B

Maker Dominance

18.10%

DeFi Pulse Index

382.29 +44.46 (+13.16%)

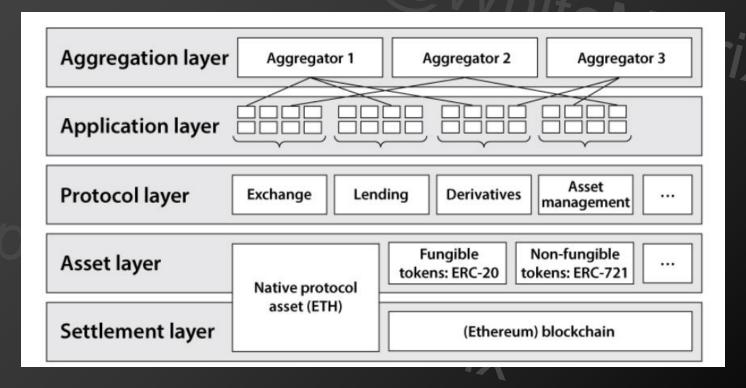
Available from IndexCoop ⊙Index



Alpha Homora V2 makes leveraged yield farming AMM pools ea... Learn more

Trading volume





The best thing about Defi is that you can

put it on the chain without maintaining it.

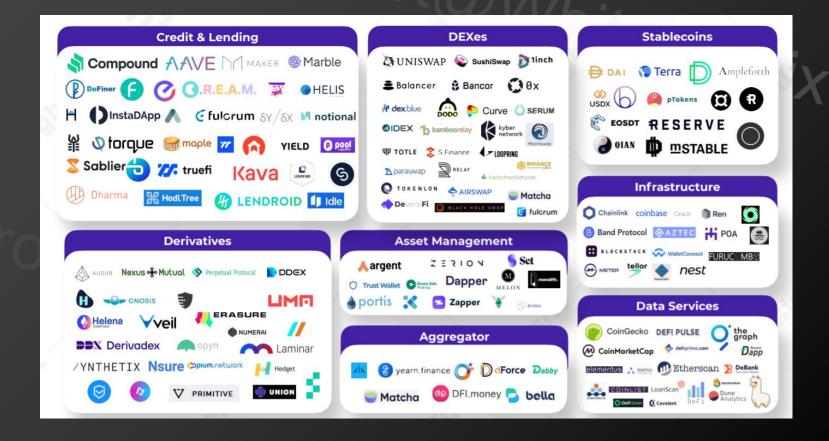
Part 2

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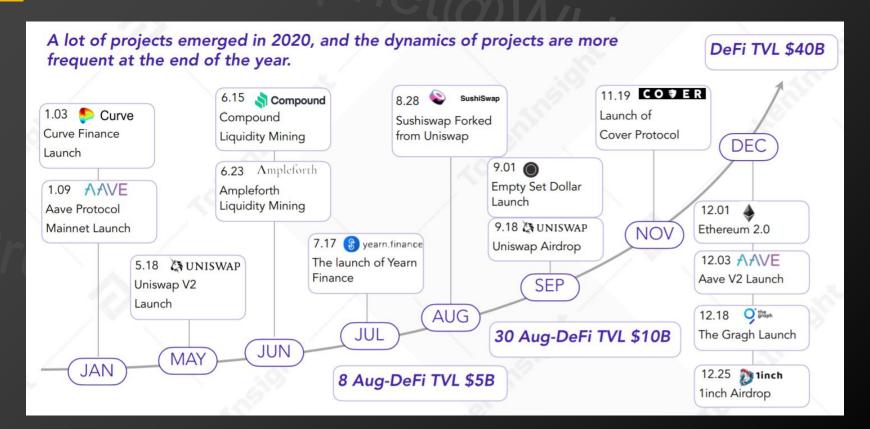
Defi products Introduction

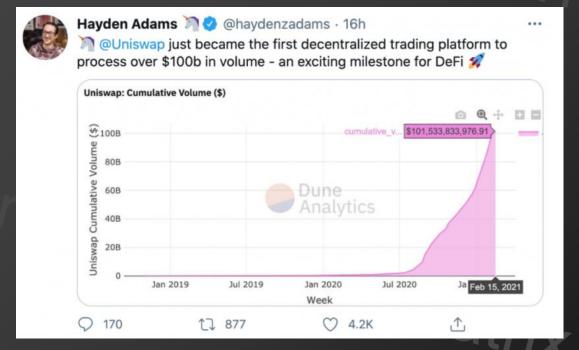


Classification of existing defi products

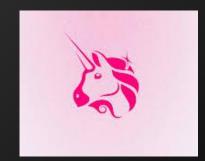


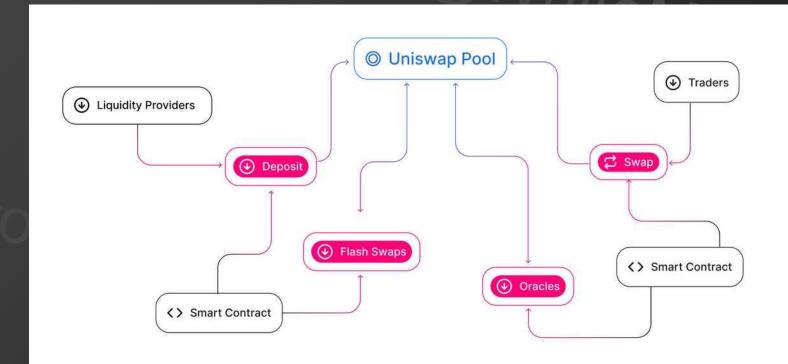
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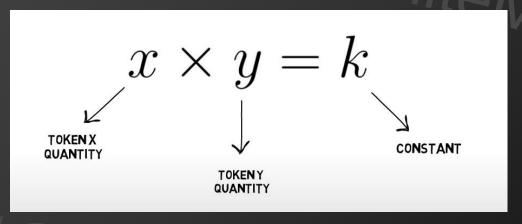




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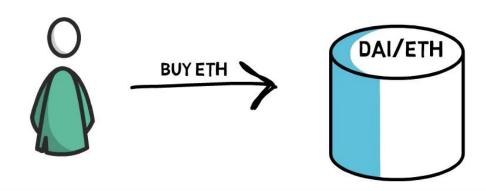




1 400 1*400=400

2 400 / 2 = 200 400

Tom will get 400 - 200 = 200



HOW MUCH THE PRICE MOVES?

SIZE OF THE TRADE

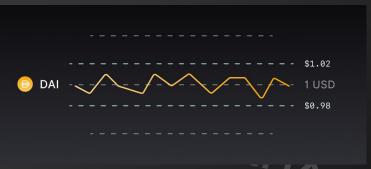




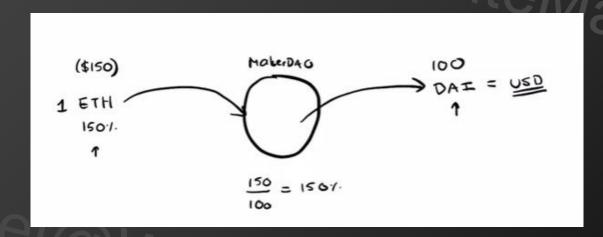


Defi products - Maker





Defi products - Maker



Simply put, Dai is a stable coin minted from more than 100% of synthetic assets.

Defi products - Maker

Liquidation

Undercollateralized
Valut

Each valut in the MakerDAO system has their own collation and margin requirements for liquidation.



Collateral Auction

Anyone can submit Dai bids to liquidate the valut.
Within the specified time frame, highest bidder wins.



The bid Dai should cover the Vault Dai and liquidation.
Or the Vault will be punished, and if there is a loss, the person who holds MakerDAO needs to bear it.

Part 3

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What will we build today?



ERC-20

One of the most significant Ethereum tokens is known as ERC-20.

The ERC-20 token standard is evolved from the discussion of the EIP-20 proposal, and gradually becomes the popular fungible token standard on ETH.







ERC-20

Contract content



Optional	Mandatory
name	balanceOf
symbol	transfer
decimals	transferFrom
	approve
	allowance



Mandatory

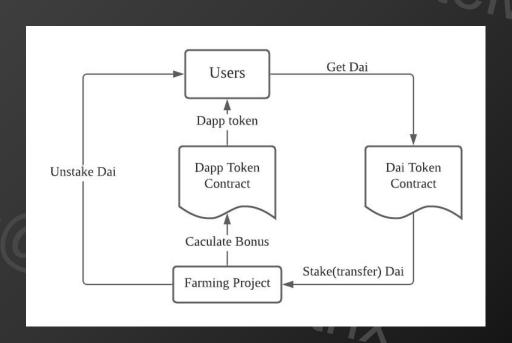
Transfer

Approve

Staking & Farming

Farming System Intro

Dai Token and Dapp Token are both ERC-20 token.



Staking & Farming

Farming Contract Function

stakeToken

Users transfer their Dai token from their address to the contract address. And the user's address will be add to hasStake array.

issueToken

Project manager will interact with this function to distribute the dapp token. The number of dapp token received by the users is related to the number of Dai they staked.

unstakeToken

Users can interact with this function to withdraw their Dai token.
And his isStaking status will be changed to false.

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Thank you for your attention!







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