



# Maze

**World's 1st Non-Interest Cyber Bank**

April 2021





# Maze Protocol Matrix

**0%**

Zero-Interest  
Lending System



Dynamic Yield-Rate  
Consensus Algorithm

**Σ**

Transparent Computation  
Middleware: Farmbase



Synchronized Branches  
Across All Blockchains



Drawing Right Transfer  
Protocol of Crosschain Assets



CDP & Algorithm Blended  
Stablecoin: ZUSD



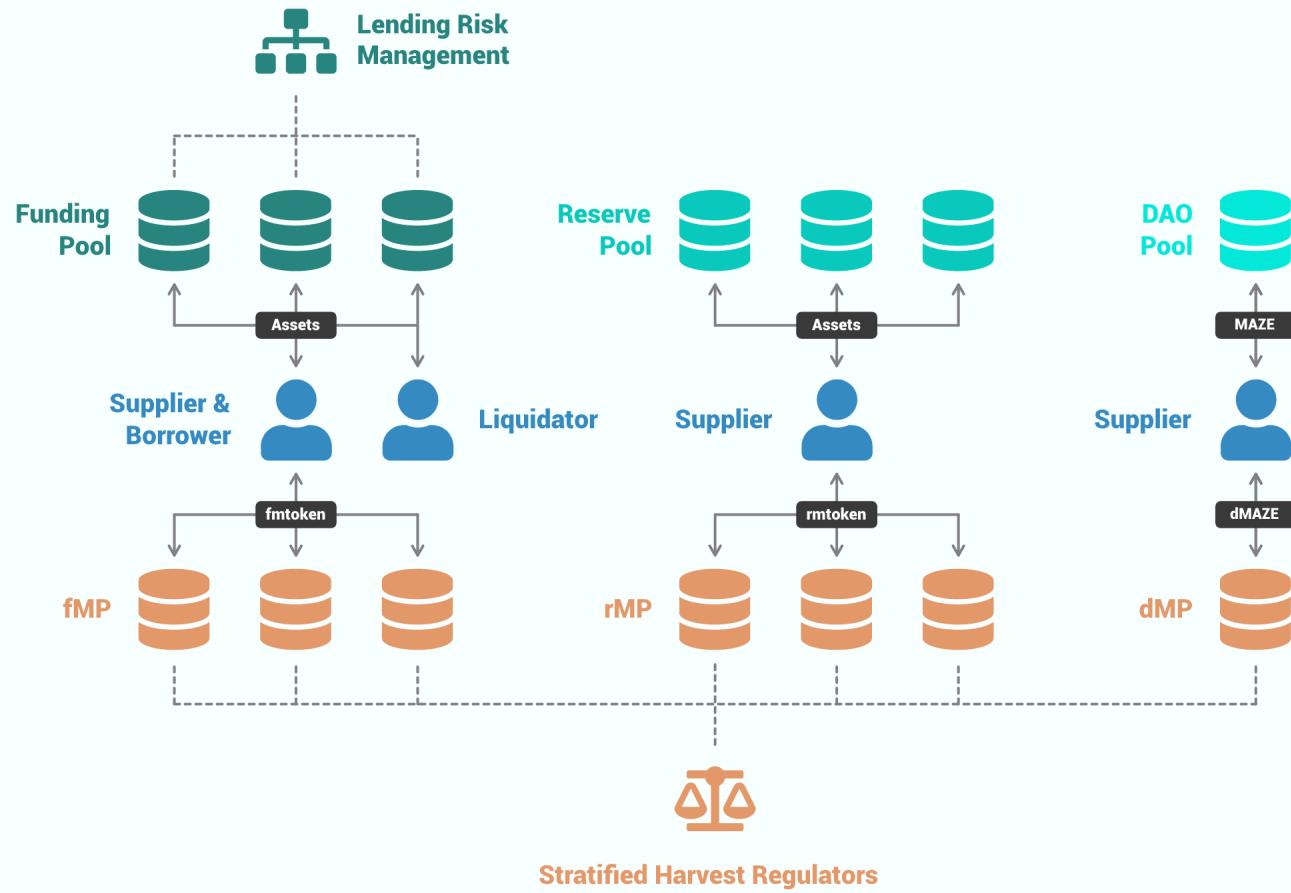
# Maze

## Zero-Interest Lending System

Maze is a decentralized non-custodial and over-collateralized money market with a specially designed adaptive incentive system as an economic drive. The money suppliers provide liquidity or solid savings in the protocol to earn passive income at dynamic reward rates, while the borrowers occupy funds at zero interest.

Since Maze does not have an interest spread system, suppliers do not get direct income by putting assets into asset pools. The mirrored delegation tokens generated from the deposits must be staked into the corresponding mining pools in order to generate pool-distributed rewards for suppliers. In fact, the asset pools and mining pools are decoupled, while the delegation tokens rebuild the economic connection between asset pools and mining pools - this is the congenital self-composability of Maze.

Mirrored delegation tokens consist of asset delegation tokens and farming delegation tokens. Asset delegation tokens include rtoken, ftoken and vMAZE. Farming delegation tokens include rmtoken, fmtoken and dMAZE.

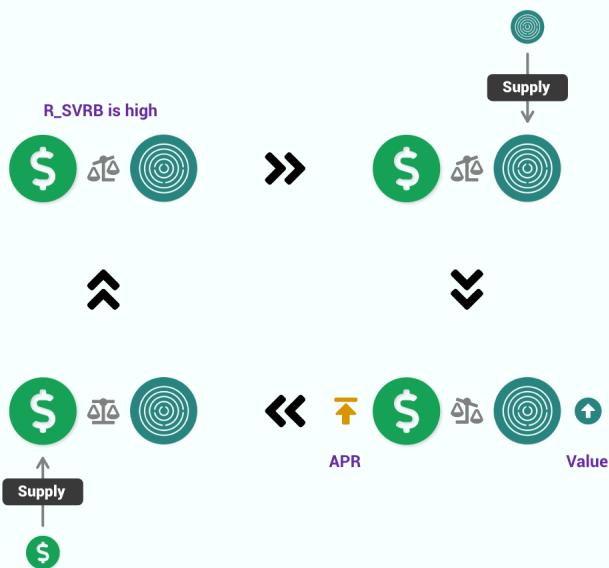




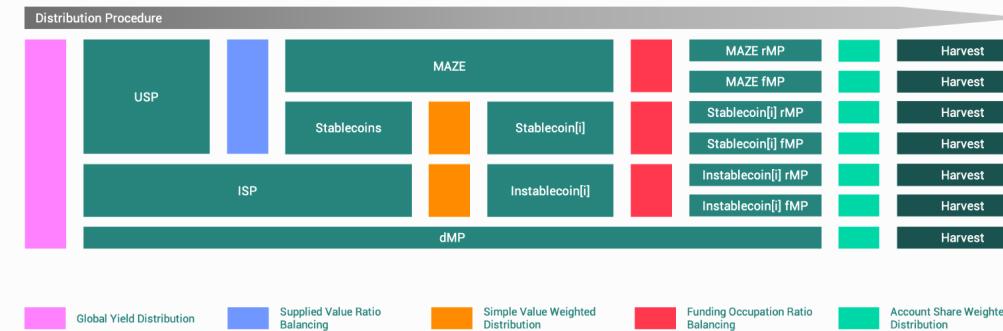
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# Dynamic Yield-Rate Consensus Algorithm

MAZE is the primary token of the protocol, without hard cap designed. It's mainly generated via the periodical farming minting controlled by **Stratified Harvest Regulators (shortened as SHR)**. SHR's goal is to form the following token dynamics loop between MAZE and stablecoins.



SHR can be imagined as a tap-water system. The initial mint contract is the central water plant, which sends water at the permitted largest current to the first-class pump station. The pump station allocates water current to its lower-class tube branches according to its distribution parameters, and there are several layers of such pump stations and branches. The ending of the tube system is the personal water tank of each farmer. It is to be noted that all pump stations' parameters will shift at each cycle, and the shifting is mostly based on the devoting in everyone's water tank. For the detailed principle of SHR, please go through Maze Whitepaper, section 2.





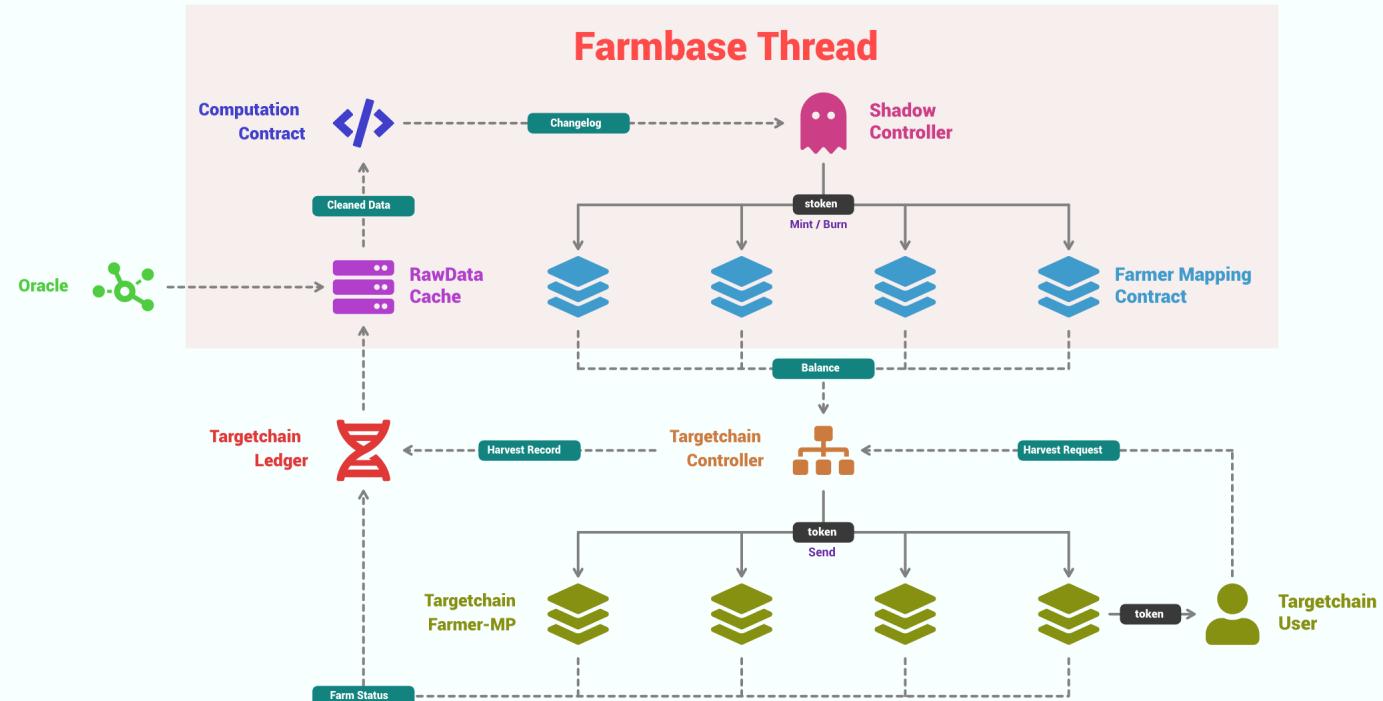
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## Transparent Computation Middleware: Farmbase

Farmbase Protocol is a byproduct born during the development of SHR algorithm. It can be concluded into a simple idea: **it is a middleware protocol which reads the farm status from a targetchain periodically, and then computes to keep updating a reward balance ledger for the users to accordingly harvest on their targetchain.**

Farmbase is a transparent computation middleware service which is unconscious, decentralized, independently and concentratively tasked, flexible-configured. It can be deployed on all potential projects with structured income distribution demands.

To a Farmbase-integrated Dapp, its MP data is periodically read by RawData Cache. RawData Cache submits the pre-processed data to Computation Contract. The customized income distribution algorithm will run on Computation Contract to generate the cycle's income ledger. Then, Shadow Controller mints Shadow tokens to Farmer Mapping Contracts according to the income balance ledger. **A Farmbase Thread helps Maze's dynamic yield-rate consensus algorithm to come true without costing gas and performance on the original chain.**



*All farmers have mapping contracts on a Farmbase Thread.*



# Maze

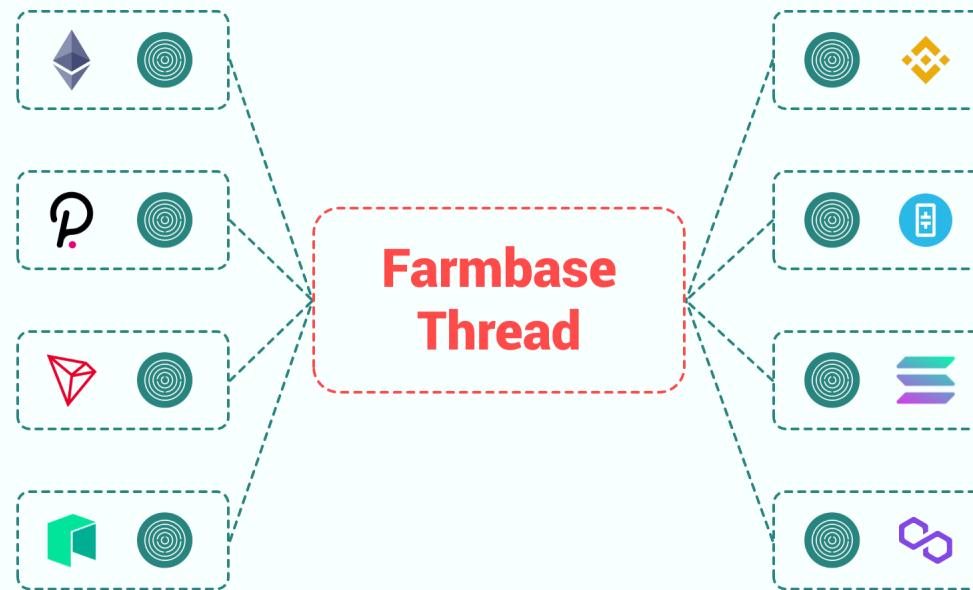
## Synchronized Branches Across All Blockchains

Using Farmbase Thread to combine two blockchains' ledger data feeding, Maze's cross-chain pool shares can be easily jointed logically - to accept multiple ledgers, and then to add the pool balances together calculating the whole share:

$$V_{token} = (\sum_{i=1}^n N_{token(chainId=i)}) * C_{token}$$

Any time, no matter how many networks are expanded on, there is only one SHR needed, and all networks share the same economy driven by one MAZE token.

The blockchains' development status is different, so be their asset types and liquidity scales. If building separate lending protocols on some not-so-developed blockchains or function-focused networks, we may encounter with problems like lack of incentive feedback and liquidity shortage. Fortunately, Maze can easily deploy branches on these chains, building asset pools and their MPs, and then provide synchronized yield-rates for these protocols' farmers through merged mining pools. In this way, the protocols can instantly own a usable and incentive-synchronized banking system.



*Yield-Rate Synchronized*



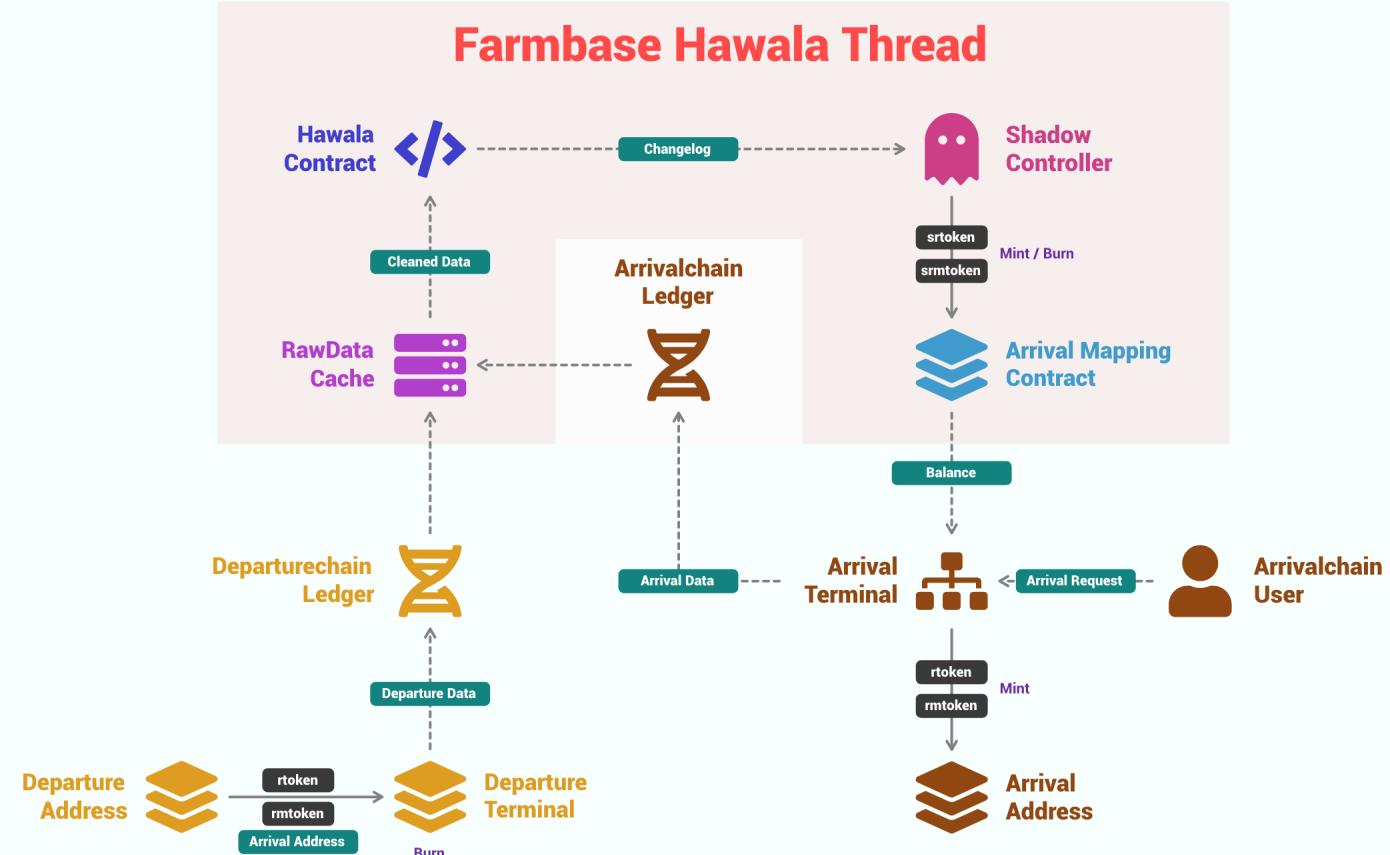
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# Drawing Right Transfer Protocol of Crosschain Assets

To implement a drawing right transfer protocol of cross-chain assets, Maze's Reserve Pools spread on different blockchains are the most essential infrastructure. A user depositing a cross-chained underlying asset into the Reserve Pool has also obtained the rights of withdrawing funds on the other blockchains' Reserve Pools using rtoken and rmtoken. The drawing rights of cross-chain assets are rtoken and rmtoken exactly.

Farmbase Hawala Thread is a special Farmbase Thread. It is separately built focusing on: to build rtoken and rmtoken's cross-chain migration channel between any two blockchains.

The drawing right transfer protocol connects Maze's all complete or fragment branches' local Reserve Pools into a huge interstellar asset network. Via a quick and abstract Dapp, the capital movement efficiency of all crypto users will be lifted to an unprecedented level. To Maze itself, the MAZE Reserve Pools in all branches are able to ensure the users to comfortably enjoy MAZE-related business on all chains, and spread or gather their assets quickly with the drawing right transfer protocol.





# Maze

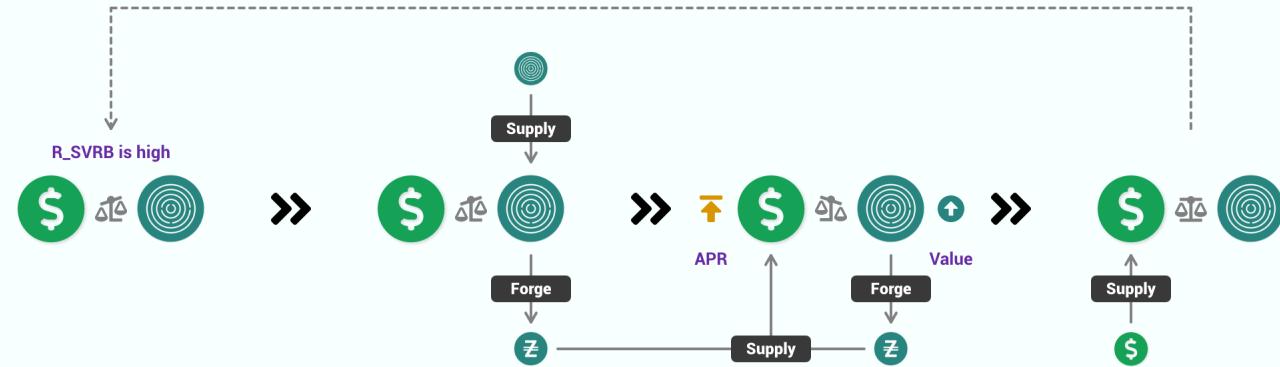
## CDP & Algorithm Blended Stablecoin: ZUSD

The zero-interest lending system and SHR has brought a unique condition of forging a high quality stablecoin for Maze. The suppliers can choose to forge non-cost ZUSD with their assets. ZUSD is a stablecoin naturally combines CDP and algorithm adjustment. Similar to Maker, Maze supports ZUSD forging by staking assets in CDP. In Maze, a CDP is called a Forge Pool.

With the launching of Forge Pools, it is likely that MAZE will exit the activities in common lending markets. MAZE's Funding Pool supplier should migrate to Forge Pools as many as possible.

Supplying MAZE in Forge Pools carries several advantages:

- The liquidity is only for the Forge Pool itself, so the supply does not take the risk of high occupation rate in the pool any longer.
- As the Forge Pool is liquidated alone, more meticulous risk management is possible to be made.
- Supplying MAZE in Forge Pools generates fmMAZE so the original yield is not missing at all.
- ZUSD can be supplied as a value of USP, generating rmZUSD and fmZUSD, which means an extra risk-free yield rate for suppliers. (The MAZE suppliers who do not fully use Forge Pools are actually remising yield for ZUSD suppliers)



Since the occupation of funds cost no interest, the better option of suppliers is apparently supply underlying assets all the time and borrow some on demand. At any moment, the suppliers should keep the deposit to get rewards at no less than risk-free yield rates.

ZUSD is the conversion of MAZE asset. Its target is to make a large proportion of MAZE to quit the circulation and turn into a cornerstone reserve on all blockchains. SHR will keep in charge of maintaining the ZUSD-MAZE Token Dynamics loops to ensure the fair value of ZUSD.



# Maze Software

Maze is a decentralized banking service where you can supply funds to earn passive revenue and borrow funds at zero interest.

## Supply

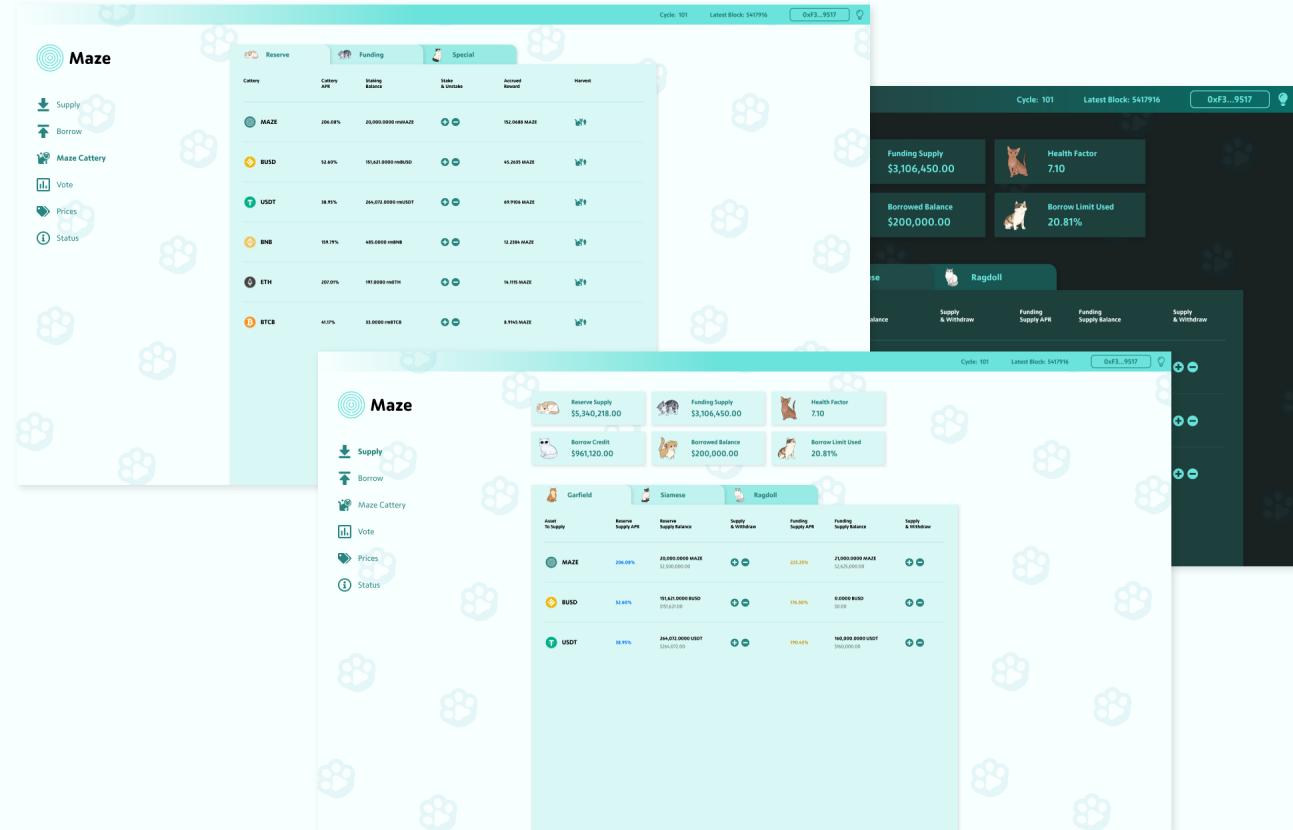
- Only assets in Funding can be utilized as your collaterals or be borrowed by others. If you want to be a borrower, make sure you have assets in Funding.
- All asset supply gives you farming delegation tokens for you to earn rewards.
- You can get vMAZE as your voting rights by supplying MAZE in Ragdoll Cattery.

## Borrow

- When you already have assets supplied in Funding, you will get Borrow Credit based on the assets' LTV factor. You can borrow permitted assets no more than your Borrow Credit, calculated in US Dollars.

## Earn

- If you've supplied assets, you will receive farming delegation tokens (rmtoken, fmtoken, dMAZE) in your wallet. You must stake them into corresponding Maze Catteries to earn your rewards.





# Maze Tokenomics

<i>Genesis Generation</i>	<i>%</i>	<i>Tokens</i>	<i>Raise Price</i>	<i>Total Raise</i>	<i>Day0 Unlock</i>	<i>Vesting Schedule</i>
LP Incentive	9.68%	1,080,000				Based on LP incentive events.
Marketing	4.75%	530,000				Based on demand.
Ecosystem Fund	13.44%	1,500,000				Based on demand.
Community Partners	10.75%	1,200,000				2 months, then 5% monthly.
Advisors	4.48%	500,000				12 months, then 10% monthly.
Team	18.82%	2,100,000				12 months, then 5% monthly.
Pre-Seed Sale	11.20%	1,250,000	\$0.20	\$250,000.00	10.00%	9% monthly for 10 months. <span style="color: red;">Closed</span>
Strategic Sale	12.54%	1,400,000	\$0.40	\$560,000.00	12.00%	10% monthly, 8% for the last month.
Private Sale	12.54%	1,400,000	\$0.70	\$980,000.00	15.00%	12% monthly, 13% for the last month.
Public Sale	1.79%	200,000	\$1.00	\$200,000.00	100.00%	Fully unlocked on day one.
	100.00%	11,160,000		\$1,990,000.00	Initial Marketcap \$703,000.00	

## *Farming Generation*

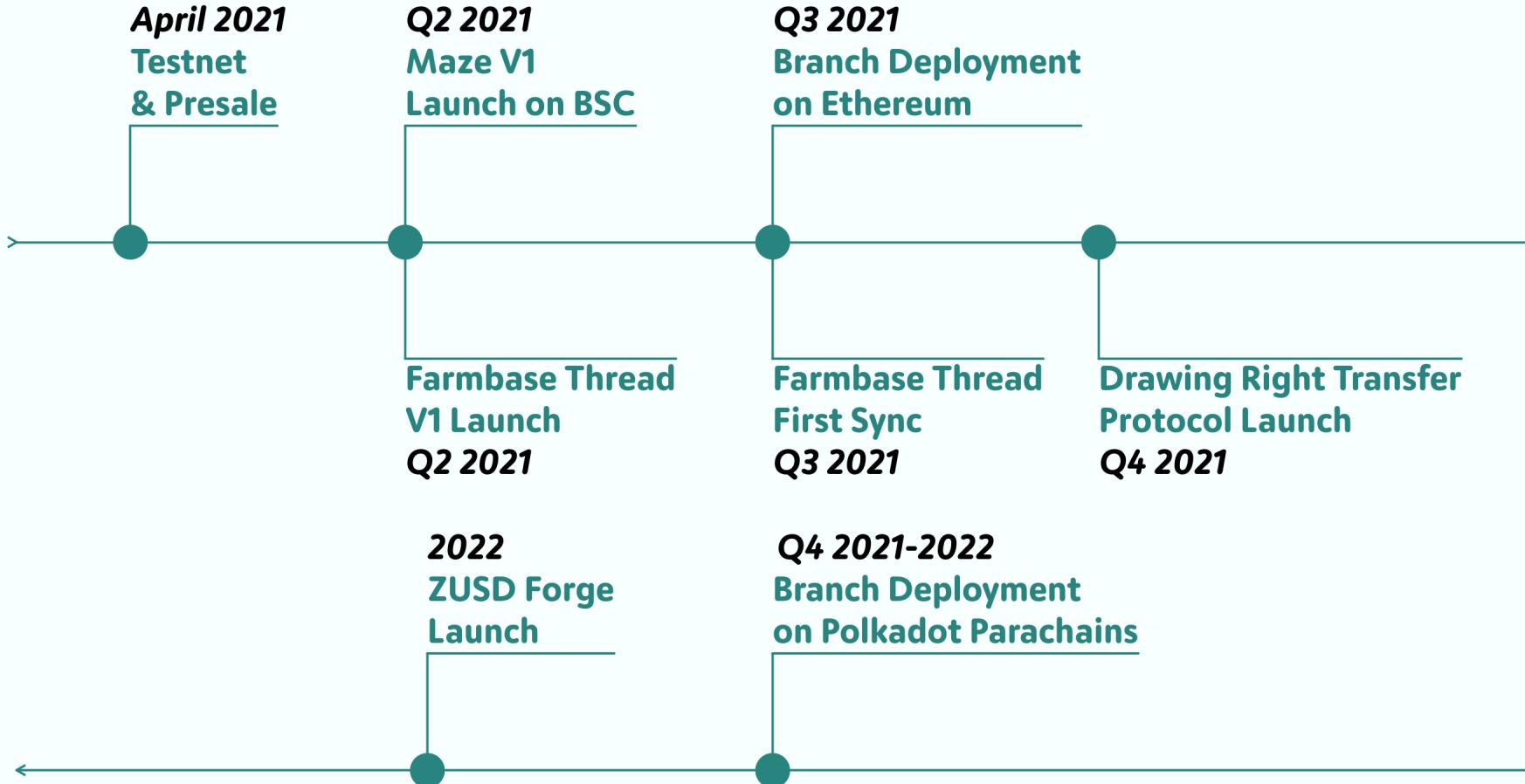
Initial Generation Rate	72,000 MAZE/DAY
Cutdown Interval	84 DAYS
Cutdown Target Rate	9,000 MAZE/DAY
Y1 Max Circulation	22,500,000 MAZE
Generation Rate From Y2	3,285,000 MAZE/YEAR

The farming yield generated by the ignition fuel (share of the team, the advisors and the community partners) during lock-up will be reserved by the ecosystem fund.





# Maze Roadmap





# Maze Contact

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Gitbook: [docs.mazeprotocol.com](https://docs.mazeprotocol.com)