



MOONBASWAP

THE DEX for interoperable trading

MoonbaSwap White Paper

MoonbaSwap – The DEX for the interoperable trading

January 2022

www.moonba.co

ABSTRACT

A FIRST MOVER DEX ON THE ONELEDGER BLOCKCHAIN

The multi-chain universe is on the horizon: the future is interoperable. This has always been our journey, and we are getting closer to that destination.

The ascent of blockchains and their associated communities have played a significant role in addressing one of the world's major socioeconomic shortcomings: a lack of financial infrastructure. With the growth of this technology, anyone can now own and transfer assets across an open network without relying on third parties. This new ecosystem has empowered people from all walks of life

With this empowerment and expansion the number of facilitating digital asset exchanges has increased dramatically. While this is great news for users, there are still a number of issues that continue to challenge many platforms, namely; the cost, scalability, and reliability of platforms and blockchains. It is in resolving these problems that the Moonba DEX comes into play.

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INTRODUCTION

This document is MoonbaSwap (“Moonba”, “we”, “us” and terms of similar meaning) high level overview of a proposed decentralized exchange of specific cryptocurrency pairs.

Centralized exchanges continue to be the engine driving cryptocurrency. These exchanges have served the market well, as they offer high trading volumes, reasonably fast settlement speeds and liquidity growth. The alternative world we are building is based on decentralized protocols on a Decentralized Exchange (DEX). Moonba is a DEX built on the OneLedger platform that allows trading of multiple tokens with no intervention; effectively eliminating the middleman.



Most developers of Decentralized exchanges have been challenged to create a functioning solution that will compete in a material way with Central Exchanges. Almost all functioning DEXes can improve significantly relative to user experience and overall performance.

Our team has researched this area for the last two years and have created a concept that is operationally faster, more inclusive and with an enhanced user experience.

We will support more chains and more tokens through interoperability than Uniswap, one the more popular Dexes built on Ethereum. This will be possible with the experience and expertise of the team from OneLedger, who built their platform from the ground up four years ago. The functionality of Moonba allows for trades with a high degree of decentralization, with no censorship resistance, further enhanced to be inclusive of more tokens.

Currently, the Ethereum chain along with ERC20 tokens, BSC, Polygon are supported on the Oneledger chain through the interoperability feature. In order to facilitate seamless swaps without an order book, liquidity pools will be created by liquidity providers. This underpins the decentralized pricing mechanism, eliminating the order book. As long as there is a liquidity pool available, tokens can be launched. Initially, there will be rewards provided to those who have contributed to this liquidity pool as an incentive as well as commission for each swap in the form of fees. Effectively the public controls the activity and earns more rewards, rather than the exchanges earning the rewards.

ETH BSC Polygon ...

Moonba is the first decentralized exchange (DEX) platform built on the OneLedger Blockchain with the purpose of resolving difficulties in the blockchain ecosystem and promoting trading to new heights. While other blockchains struggle with scalability, adoption, and performance, the OneLedger Chain, on which Moonba is built, not only promises a more robust user experience, but it also offers exponentially more scalable solutions – and Moonba is at the vanguard of this experience.

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Moonba is an AMM DEX created specifically for the OneLedger ecosystem and the future of interoperability. It strives for liquidity, security, convenience, and a user-friendly interface that allows for an immediate asset exchange.

OneLedger is an open-source delegated proof-of-stake blockchain that, among other things, offers smart contract capabilities with a global perspective on blockchain interoperability. At its core, OneLedger is a business engine capable of facilitating the development of smart contracts and decentralized applications; it was built intentionally to address a number of pressing issues that have rendered other blockchains unsuitable for traders.

OneLedger, for example, uses significantly less energy due to its proof-of-stake protocol, which requires miners to stake their cryptocurrency holdings to verify transactions. This is not only more environmentally friendly, but it also results in shorter transaction times.

The Moonba Difference

- Moonba is based on the OneLedger platform which can produce a throughput of about 4000 tps, which is a lot more than what any proof of work chain can offer.
- The native gas fee charged for the Moonba protocol is much less than the fee charged on the other blockchains.
- The liquidity providers for the Moonba protocol are incentivised through the native rewards token, which provides them more motivation to add liquidity and keep the DEX running.

- Moonba plans to use a hybrid approach to pegging to help facilitate easy integration with other blockchains so that the tokens can easily be added to the protocol.
- Moonba supports cross chain protocols with BSC, Polygon, and Ethereum at the moment. Moonba will continue to extend more chain supports.

The Capability of Moonba

Moonba on the OneLedger ecosystem creates a powerful and ideal environment that attracts more developers and users to join with excellent capability and performance.

Blockchain Interoperability

We recognize that traders want the flexibility to move their assets to and from any blockchain they choose. To support this desired interoperability Moonba has chosen to use the OneLedger Bridge protocol, which allows for secure and quick cross-chain swaps without having to pay excessive fees. Moonba offers cross-chain swaps between the industry's most popular blockchains, including Ethereum, Binance Smart Chain (BSC), Polygon and more.

INTEROPERABILITY



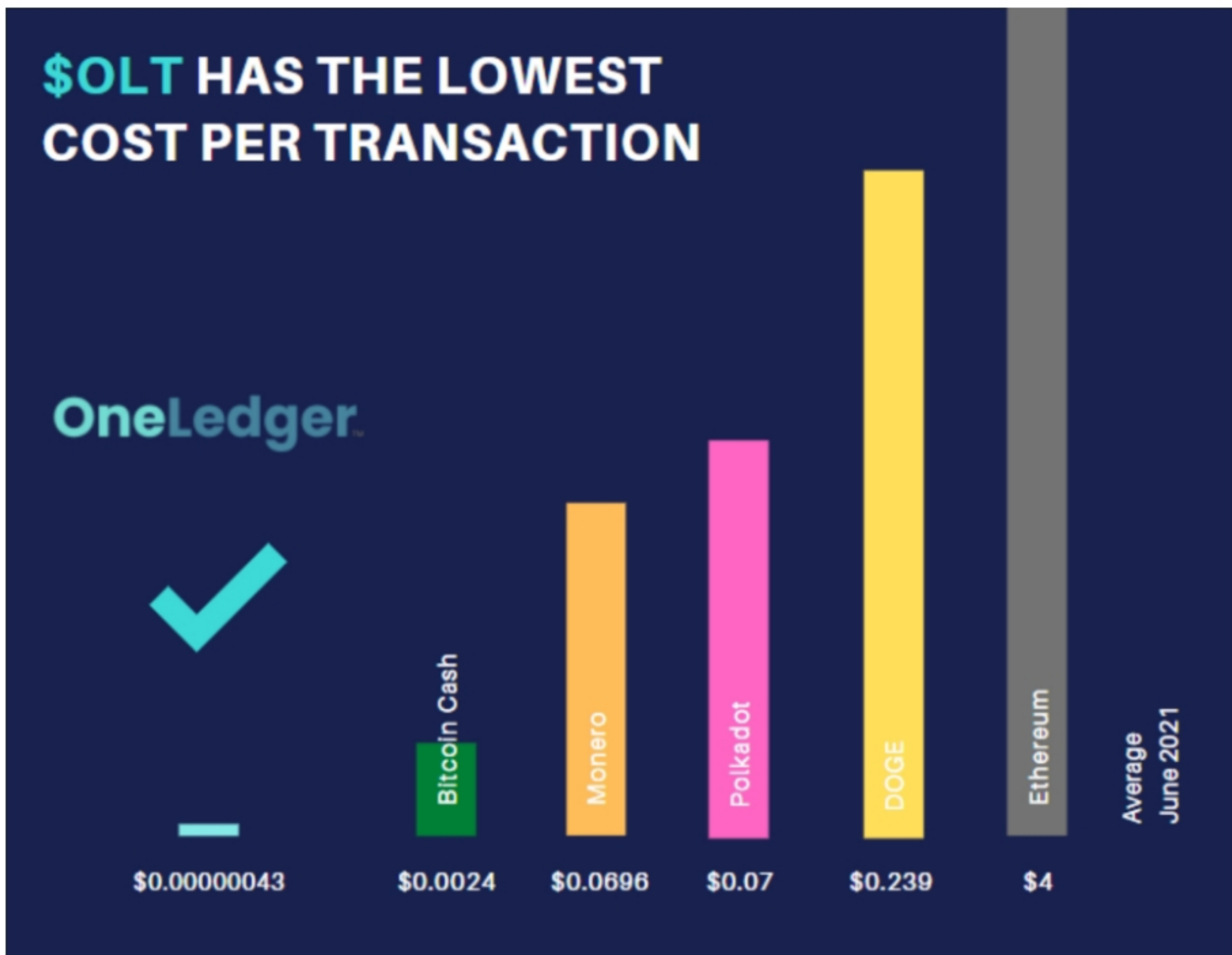


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Lower Gas Fees

Gas prices for transactions on existing Ethereum-based DEXs are very high, making them unsuitable for low-volume dealers. Because OneLedger's cross-chain protocol enables high-performance scaling using a sharded and modified practical Byzantine Fault Tolerant consensus scheme, is more scalable than Ethereum and does not rely on expensive mining for consensus, gas fees will be reduced. The ensuing economies of scale for transaction volumes result in cheaper costs on this more current and scalable architecture.

E.g. OneLedger \$0.00000043 VS ETH \$4.0



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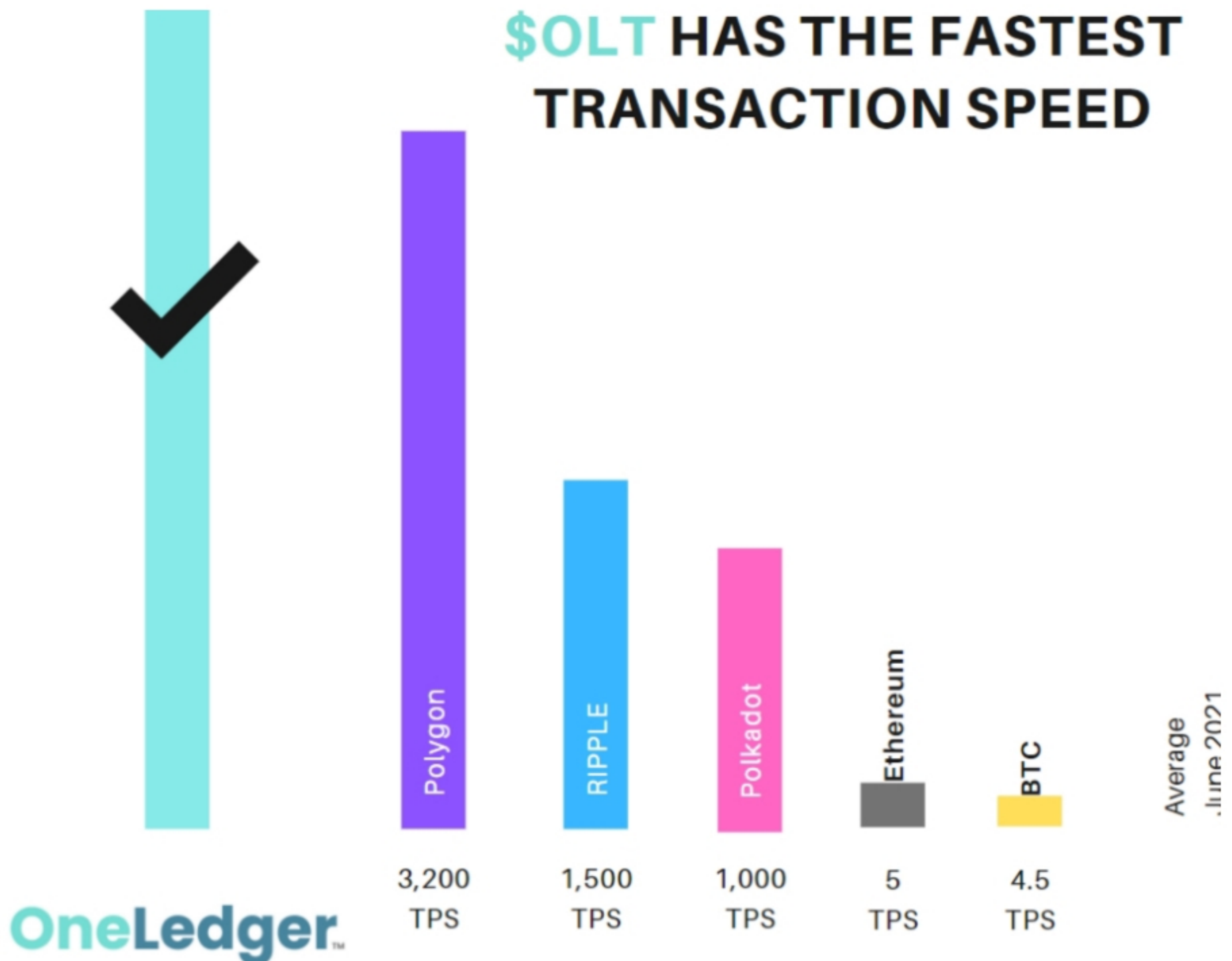


Faster Transactions

Essentially, the Moonba Dex will present a significantly higher efficiency when running on the OneLedger ecosystem, which is a DPoS (4,000 transactions per second) vs Ethereum's PoW (4 transactions per second). This is a huge factor when it comes to energy impact as well. If you're currently using an Ethereum-based DEX, you'll notice that it's simply too slow because there's a time lag between when a transaction is sent and when it's validated. The Moonba Dex overcomes this by utilizing the OneLedger ecosystem, a significantly more performant platform than others.

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**\$OLT HAS THE FASTEST
TRANSACTION SPEED**



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What services does Moonba provide?

While Moonba is a DEX, it does more than just facilitate digital asset trades. Moonba offers a variety of services aimed at assisting users in their growth, including:

- A Decentralized Exchange
- Yield Farming
- Staking
- Borrowing and lending
- Launch Pad

What distinguishes Moonba?

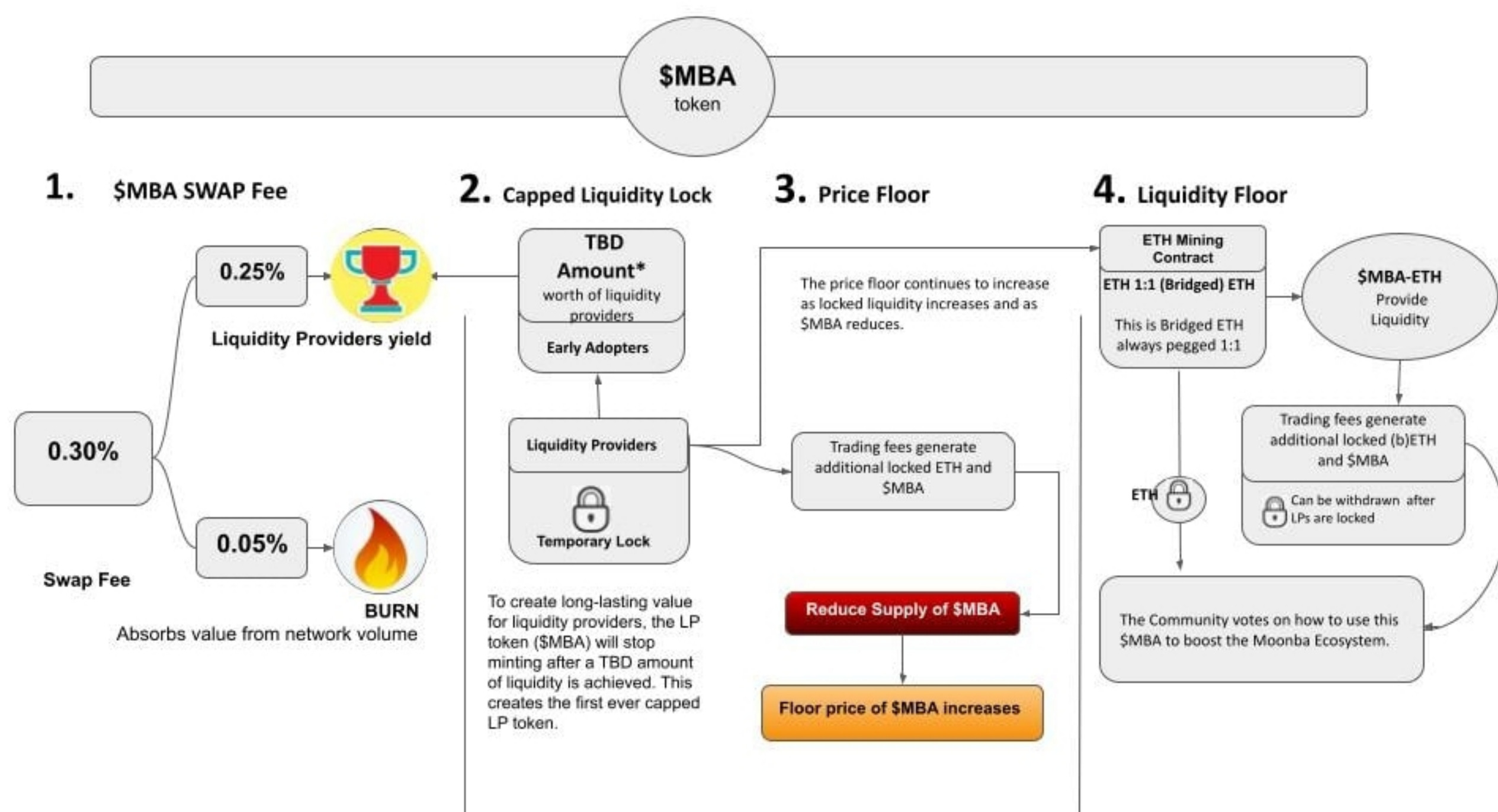
Moonba is a comprehensive DEX that enables all types of traders to trade digital assets on the OneLedger blockchain in a reliable and efficient manner. As a platform built on the mature and formidable OneLedger network, we benefit from the team behind OneLedger's innovative security systems, turn-key marketing and promotional services, and blockchain expertise.

Moonba, as a DEX, will allow traders who are already registered on Metamask to instantly trade their digital assets without having to create additional accounts. Moonba also respects its users' privacy by providing non-custodial trading services, putting complete control of digital assets in the hands of our users. This is in addition to the relatively low transaction fees(almost zero), which will allow traders to keep a larger portion of the digital assets received on their trade.

Users can also participate in liquidity pools, where they will receive LP tokens proportionate to their contribution, allowing them to share in the fees. Users can also earn \$MBA by putting their LP tokens into a smart contract. This creates an incentive for users, addressing the risk of impermanent losses, which is essential to providing liquidity in a DEX. Similarly, users can stake their tokens, which is a simple way to increase the value of their tokens.

The \$MBA Token

By holding \$MBA tokens, users can earn as much as they are willing to by boosting their APY and earning interest, all the while supporting the Moonba community. \$MBA is more than simply a token that powers the exchange, it is a way to invest into the future of crypto.



MOONBA will have 0.3% trading fees per transaction, which is the same as other contemporary exchanges like Uniswap. Unlike transaction fee models on other exchanges, on MOONBA, trading fees are used to buy back \$MBA tokens to burn (0.05%) and to reward LPs (0.25%).

The \$MBA token model is thus deflationary in nature, unlike almost all other contemporary reward structures, because the circulation is decreased by the amount burned in transaction fees each day.

The 100% of gas fee charged in OLT would be burned and it would be helpful on the deflation of OneLedger Ecosystem as well and improve OneLedger native token value.

Governance

Moonba Governance is a protocol that enables the Moonba community to make changes to the Moonba Network on-chain with \$MBA as the governance token.

The Moonba Governance protocol is operated by a series of smart contracts that are publicly available which control certain improvements and changes to the Moonba network. All of the Moonba Governance proposals and voting weight will be determined by how much the user's address has staked in \$MBA.

The core functions of Moonba Governance will include Proposals , Voting Periods , End Proposals, Execution Time, and Vote . These functions will enable users to deploy **Moonba Improvement Proposals (MIP)** which users can vote on during certain time periods.

Current Governance Requirements

Type	\$MBA Amount
Proposals	500,000*
Vote	1

Users who have the required \$MBA staked on the Moonba Network or proper amount of \$MBA delegated to their address have the ability to create Moonba Improvement Proposals (MIPs)

Once Proposals are suggested and pass a technical review process token holders are able to vote on them .

When ratified by two-thirds of the registered voters – the proposal is enacted.

Architecture and Technology

Moonba is a nexus cross-chain DEX service on the OneLedger platform which provides multiple blockchain assets. Moonba provides the possibility for token swap for not only ERC-20 tokens but also public chain assets such as Polygon, Binance Smart Chain, etc.

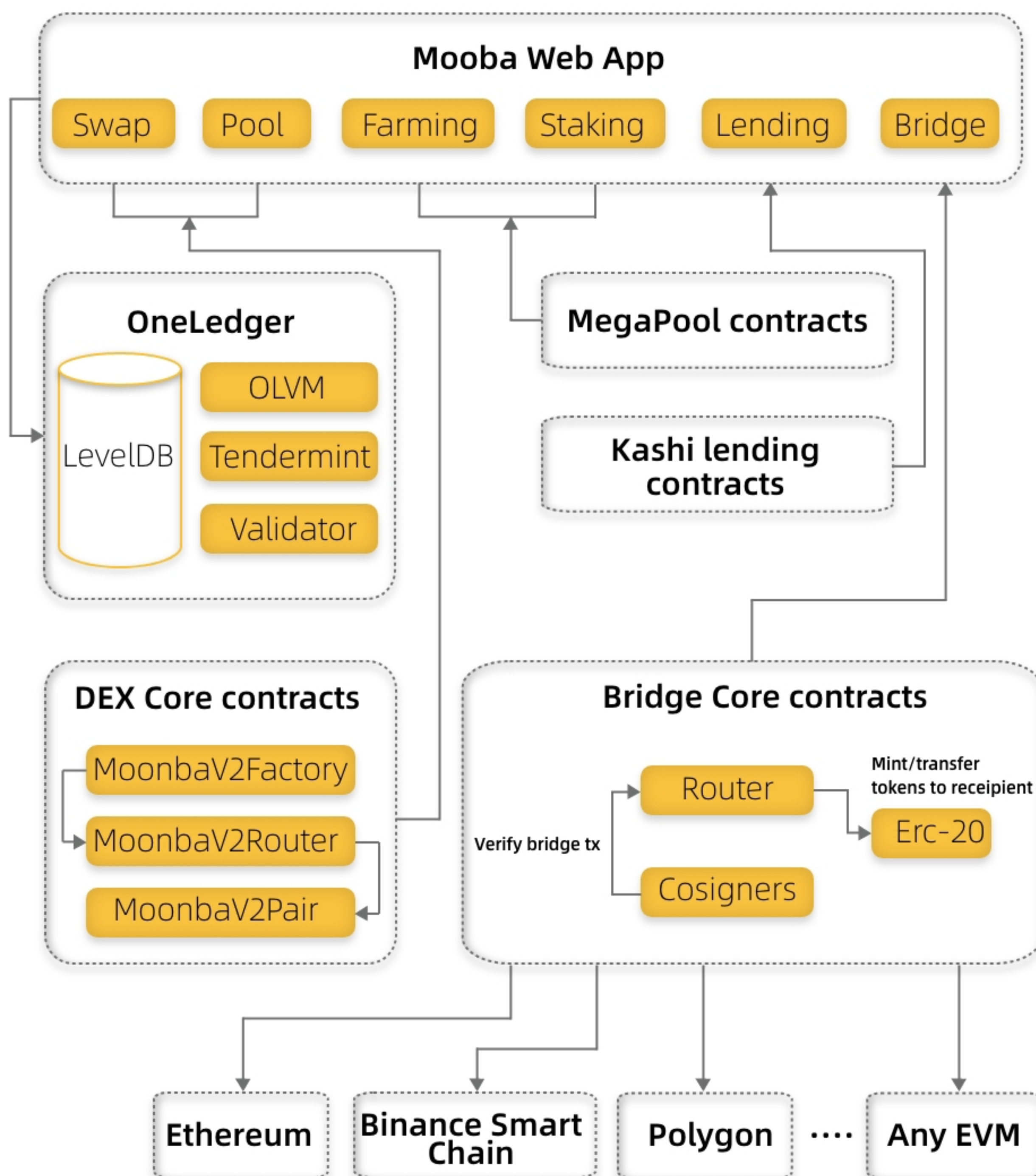


How does Moonba work:

On the technical level, Moonba has several modules:

1. OneLedger blockchain
2. Moonba Web3 App
3. Moonba DEX Core contracts
4. MegaPool contract for farming and staking
5. Lending kashi contracts
6. Moonba bridge core contracts
7. Liquidity Provider

Mooba Architecture

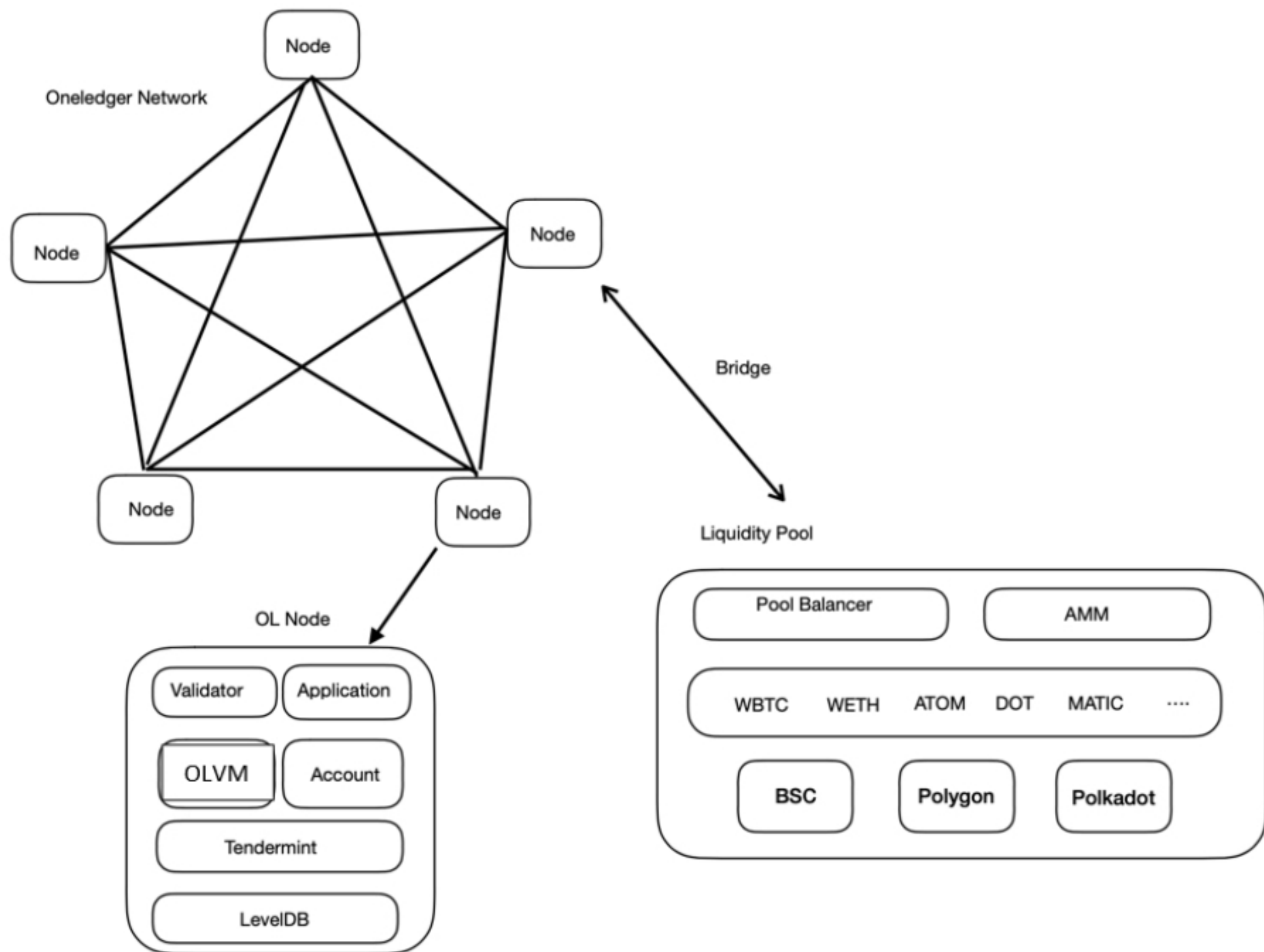


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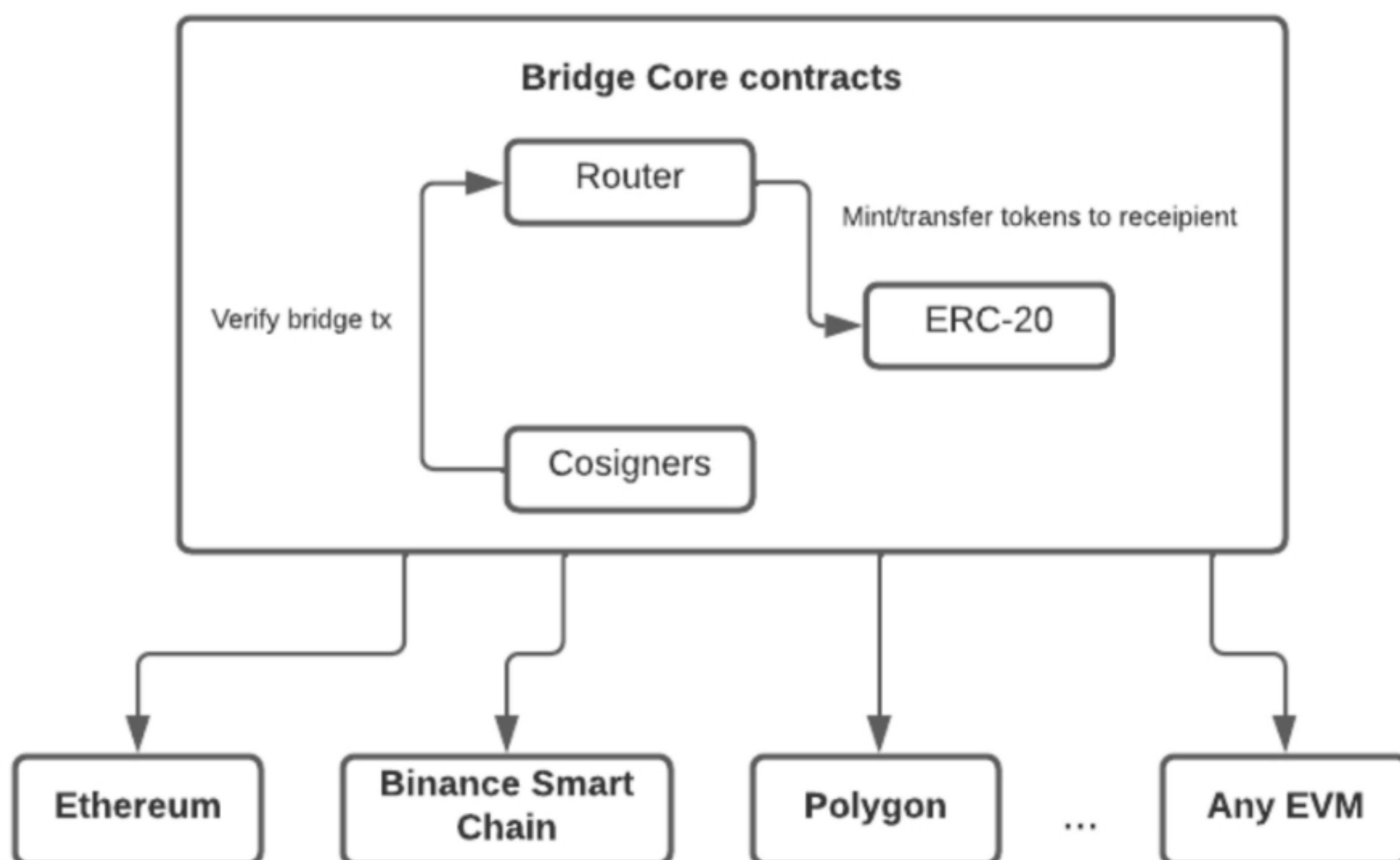
Moonba web3 app:

Moonba is a web3 app that allows users to interact with cross-chain for all Moonba functionalities such as creating a new liquidity pool, adding liquidity, token swaps and withdrawing liquidity on chains. It also allows the user to query transaction status and balance information.



Moonba bridge:

This is the module that takes care of all operations related to the external chain through the bridge. It also takes care of receiving tokens and dispensing tokens once the tx gets finalized. All bridge transactions are made through the router which is responsible for token distribution. Verifiers for cross chain transactions, so called cosigners, designed to protect from fraud and sign the payload on behalf to make it trustable for the router. Right now bridge has supportance of 3 direction - Ethereum, BSC and Polygon, but technically - any EVM.



Liquidity Provider :

Liquidity providers are the heart of the system. They would provide liquidity to the pools which makes swaps possible . For this reason the liquidity providers would be incentivised by the protocol . They would receive two types of incentives .

- **Slip Fees** : Which would be earned as a commission for every swap that is done on the Moonba protocol .

- **Rewards** : This will be rewarded in \$MBA, and would be available initially to encourage users to provide more liquidity (This token is described in more detail in the sections below).

Tokens are distributed instantaneously for the user when he performs the withdrawal or removing from the liquidity in accordance with APY rates. More deposited amount – more income.

Distribution of \$MBA (MOONBA) token

Token information :

- Name : **MOONBA**
- Ticker : **MBA**
- Blockchain : **OneLedger**
- Max Supply : **1,000,000,000 \$MBA**
- Initial Liquid Tokens : **87,750,000**
- Public Sale: **0.038 USDT**
- Smart Contract : **To Be Announced Closer to Launch**



Assign	Amount	Percentage	Vesting Period
Team	100,000,000	10%	2 years
Marketing	80,000,000	8%	2 years
Ecosystem	100,000,000	10%	5 years
Liquidity & Staking	500,000,000	50%	5 years, Linear release
Airdrop	20,000,000	2%	1 years
Bounty	50,000,000	5%	5 years
Strategic Sale	45,000,000	15% will be released at TGE, and the remaining 21.25% will be released every quarter, which will be released in one year.	
Private Sale	45,000,000	20% will be released at TGE, and the remaining 20% will be released quarterly, and will be released within a year.	
Public Sale (0.038usdt)	60,000,000	Full circulation.	

Initial LP Lock : x months via Timelock Smart Contract



George Connolly

CEO 

George used to be the technical director of PwC, with more than 15 years of industry experiences, DeFi and Blockchain evangelist. He has professional and profound knowledge of technology migration and operation strategies.



Alan Chan

BD Leader 

A Sales and Marketing professional with more than 16 years of successful experience in Software and Information Technology solution selling in APAC, particularly in Hong Kong and China. With a strong technical background as a graduate of Waterloo in Comp Sci and Mathematics – Alan has been innovative in business development and exceptional in sales planning and execution.



Bohdan Kurinnyi

Tech Leader 

Master of National Aviation University of Ukraine, worked in gaming, solved ETH payment processor with technical experience, and be familiar with the technical knowledge of DeFi, NFT project development, ICO and other private blockchain implementation.



Manikanta M

Infrastructure Leader

A veteran in the field of blockchain entrepreneurship with extensive experience in automating, configuring and deploying instances in cloud environments and data centers. Proficient in DevOps deployment, CI/CD build and release management, AWS/GCP and Linux/Windows management, containerized orchestration tools such as Docker Swarm and Kubernetes.



Basem Mostafa

Frontend Leader

Extensive industry experience in building securities digitization and trading ecosystems based on blockchain and other distributed ledger technologies. He is a front-end expert in the fields of supply chain, payment, and e-commerce, and has helped large enterprises achieve exponential growth.



Ian Scarffe

MoonbaSwap Advisor

Ian Scarffe is a serial entrepreneur, investor, and consultant with business experience from around the world. A leading expert in Startup, Investment, Fintech, and Blockchain industries. Ian currently consults and advises for a range of multi-million dollar companies.

Long-term Goals

We aim to establish ourselves as one of the largest and most prolific DEXs in the industry that provides a stellar user experience. Our roadmap is broken down accordingly:

- Q1 2022**
- DEX project releases white paper, social media, official website
 - Establish new partnerships
 - DEX marketing campaign
 - Announcement of farming terms
 - Announcement of staking terms
 - DEX Launch
- Q2 2022**
- Open farming capabilities
 - Open staking capabilities
 - DEX opens one-click cross-chain transaction
 - Extension of Liquidity Pairs
 - LaunchPad
- Q3 2022**
- Open Lending capabilities
 - Multiple Dex support
 - Multiple Liquidity Program
- Q4 2022**
- Official member NFT
 - NFT Market Place

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