



**Almira Wallet**

# WhitePaper

Version 1.0



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# Abstract

A next-generation noncustodial wallet, self-sovereign identity protocol, and Web3 infra. Provider for the decentralized ecosystem, governed by community Almira is a decentralized blockchain identity wallet that enables secure private key management and seamless experience for dApps, DeFi, and NFTs.

“Buying & Selling, Transferring and Storing crypto should be as hassle-free as using a social media platform or email.” Our vision is to create frictionless experiences for users and developers wanting to access and build on decentralized infrastructures.

With our Web Application, Browser Extension, and Phone Application, retail users will be able to enjoy various features with an Almira ID account that comes with a fully functional name-enabled vault. This helps the retail users to HODL with Almira.

“Building blockchain applications is a bit difficult, given the limited knowledge of programming languages and frameworks like truffle and ganache. Therefore, it can be cumbersome for normal web developers to build applications that can interface with the blockchain.”

Almira Node Web3 Infrastructure along with Almira Keyless allows developers to easily onboard users onto their decentralized applications. Almira Node stack provides auto-deploy node services for requesting connections through RPC(Remote Procedure Call) to communicate with the blockchain.

Currently, Almira Node provides services for EVM-compatible blockchains (Polygon, Binance Smart Chain, Optimism) and plans to further support n Tezos, Polkadot and prominently used blockchains as per the community demand.

This helps the developer's ecosystem BUIDL with Almira. To maintain a balance between developers and retail users, we intend to develop wallet infrastructure in a completely non-custodial fashion using Open Governance Mechanisms via the Almira Dao coordinated and maintained by the Almira token economy.

The native \$Almira token will not only enable token holders to propose and vote on changes (governance privileges) to functionalities and feature sets of the wallet and node services but will also create a self-sustaining token economic model where value will be generated by providing access to finance and identity in the decentralized digital world.

## Introduction

As humans evolve, other assistive technologies such as the internet, smart devices, and robotics evolve with them, increasing the demand to connect via the World Wide Web. The internet that we have today took several decades to mature to its current stage, enabling us to inhabit the digital world.

It has proven to be one of the most transformative and fast-growing technologies. As of January 2021, over 4.66 billion (59.5% of the world population) people use and access the internet actively, making us as a society more informed, connected, and advanced than ever before.

The World Wide Web has democratized power structures and created new opportunities, but the technical and economic structure on the backend remains heavily privatized and centralized. Even though mass adoption of the internet is evident through the past decade, 'user data' security remains to be a major issue. For example, the social networking sites we use, emails we send, access to online banking, or any other user "identity sensitive" transactions take place on centralized networks.

There is an unfathomable amount of data floating on these networks that are privately controlled by tech giants like Facebook, Amazon, and Google acting as the biggest custodians. We trust the servers of big tech giants to keep our passwords and data safe, but in reality, it's no secret that they too are prone to hacks and malicious activities. In the digital world, data has become the new oil, and data aggregators are oil mines that everyone wants to take control of.

In simpler words, our digital identity and other digital assets we store on the World Wide Web rely on trust in private third parties that time and again break this trust for their agendas without our consent or knowledge. We can use the recent case of

Chinese loan apps stealing user KYC details to set up fake bank accounts as an example, unfortunately, cases of user data theft are becoming more common and a regular occurrence on the internet.

The backend revolution that intends to reinvent the inadequacies in the internet by decentralizing data storage and computation abilities roughly captures the still evolving Web3 landscape. Edge computing, decentralized data networks, and artificial intelligence are the three new layers of technological innovation that drive the “new” internet (Web 3).

An early example of the adoption of distributed computing being run on a decentralized back end or the “new” internet was witnessed in the financial sector with the introduction of the cryptocurrency Bitcoin in 2008, an open-source experiment timed perfectly to serve as an antithesis of a monetary system that led to the U.S. mortgage loan-induced 2008 meltdown and caused bitcoin's creator, Satoshi Nakamoto, to embed the Times of London headline "Chancellor on brink of second bailout for banks" into Bitcoin's genesis block.

The advent of blockchain technology that was used to serve as the public transaction ledger for Bitcoin gave people a glimpse of a truly decentralized peer-to-peer network. The result: a user-centric & data-preserving computing fabric for the next wave of the internet that is Web3. It is easy to envision a not-too-distant future wherein the majority of phone applications, personal data storage, gaming economies, social networking platforms, and financial systems will be running atop Web3 backend infra or the new internet.

Just as one needs to have an email account to sign up on any traditional social networking platform, similarly all one needs is a wallet to create an account to interact on or access blockchain-based networks. These wallets consist of public and private key pairs, with the public key being like an email address and the private key its password. The wallets on blockchain networks serve as a user's digital identity and unlike a Facebook or Twitter account, are Page 3 Introduction Whitepaper Ver.

2.0 is censorship-resistant and can be programmed to be interoperable on different blockchain networks allowing portability and self-sovereignty of digital identities. The development of dApps (decentralized applications) relies heavily on Web3 wallet

software services to onboard and manage user interactions on their platforms. There are two types of wallets; custodial wallets and non-custodial wallets.

The custody of wallet private key management systems differentiates the two. The wallets store private and public key pairs that authenticate a user to sign transactions on dApps. In a custodial wallet, the private keys are stored and managed by centralized wallet service providers, fundamentally contradicting the ethos of a truly 'decentralized' network. Whereas, non-custodial wallets give their users full ownership of their private keys and control over their digital data and assets, making the wallet a user's-sovereign identity (SSI).

Open governance is considered to be at the heart of a successful Web3 project since it puts the power and trajectory of the project in the hands of the community members and not a centralized entity. Hence a DAO (decentralized autonomous organization) is essentially an experiment to build an organization from first principles, focusing on Web3 values like openness, decentralization, and permissionless ness, this organizational structure introduces a brand new way of working that could prove to be way better than the structure of a traditional company.

Amongst other differences, the most obvious is DAOs have their rules immutably embedded on-chain, unlike traditional companies that have their rules live in centralized systems like the bylaws of a corporation stored in a municipality's file cabinet.

This allows DAO members to vote on how the treasury manages expenditure over the lifetime of the project and propose necessary changes that can be accepted or declined via a fair voting system that understands no prejudice or segregation. Open governance in Web3 is ultimately an automated process running on smart contract-enabled protocols that serve no centralized agenda.

In its essence, making the project for the community, by the community. Almira is a next-generation noncustodial wallet provider, self-sovereign identity protocol, and Web3 infra. provider for the decentralized ecosystem, governed by the community. Let's dig deeper into the Almira technology stack and understand how we try to make the world of blockchains more accessible for all.

# The Wallet

Almira has created a set of tools for developers and retail end users that provide private, noncustodial open governance protocols to manage their self-sovereign identity-based wallets, and a complete suite for running and managing web services needed to connect to fully synced blockchain nodes.

Almira technology stack was built envisioning the challenges in the current mainstream mass adoption of cryptocurrencies and of applications built on top of a blockchain. The Stack empowers the community to make independent decisions and have power over their digital assets.

The current Almira technology stack as well as the envisioned solution offerings for future use cases are built on two main pillars:

## Almira ID

Almira ID enables user onboarding and Lifecycle Management software plugins to facilitate wallet/Almira ID resolution. Almira ID wallet is built using EVM-compatible smart contracts functional on blockchains like Ethereum, Polygon, Binance Smart Chain, etc. As a smart contract wallet, Almira ID offers features like multi-sig, time-locks, daily limits, trusted contacts, and seedless recovery. Almira ID Almira ID comes with an on-chain identity i.e. stored and managed on EVM-compatible blockchains(Polygon as default) using smart contract functionality. The Identity is typically an alphanumeric phrase from 5-14 characters.

However, the Almira ID has the power to username-based crypto transfers and can resolve to one's name on the blockchain. For example, `0xd94599d1267ac3a2df1e4e3b0ef4ff1a356dd292` turns to "your name" and can be used to store not just Ethereum but all major coins as the wallet uses Almira Vault, which derives all wallets using the same seed phrase. [Using conventions as stated in BIP44]. Almira ID contains a smart contract-based wallet that can engage with other smart contract-based accounts on the Ethereum blockchain, Polygon(Matic Network), and Binance Smart Chain.

The accounts ported do not take along their previous data stored on the blockchain to the new ported chain but only create a new identity wallet for transactions that belong to that specific network. Similarly, those Almira IDs can be sold or auctioned for multiple accounts that exist on different chains. The Almira ID gives you access to a non-custodial wallet to store, transfer & trade all your digital assets across different blockchains & protocols.

The Almira ID also provides an integrated identity mechanism to the users which can be used to assert self-sovereign identity across all kinds of blockchain applications. Thus, interoperable multi-chain blockchain identity with on-chain reputation can be created via registering and syncing on-chain data.

## **Almira Vault**

Almira Vault is a private key management infrastructure designed to keep availability, flexibility, and security as its foundational pillars. Almira Vault uses six layers of encryption to secure the vault. The vault stores the private keys of the user's wallets which contain all assets owned by the user.

Every private key is generated using a single seed Almira Vault Almira ID enables user onboarding and Lifecycle Management software plugins to facilitate wallet/Almira ID resolution. Almira ID wallet is built using EVM-compatible smart contracts functional on blockchains like Ethereum, Polygon, Binance Smart Chain, etc.

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Access to Identity in a decentralized environment Access to Finance in a decentralized environment Page 6 Whitepaper Ver. 2.0 phrase which encrypts the vault. The vault can be deployed at per user's convenience either on the cloud or on the user's device (desktop or mobile) and can be retrieved using password/biometrics. Almira Vault can manage private keys of all digital assets compatible with BIP44 with the same level of encryption.

## **Almira Keyless**

Almira Keyless is a tool that enables users to sign transactions inside any decentralized application which is integrated with Almira Keyless. It is offered to dApps via an easy-to-integrate SDK which can be used by the Almira users to connect their Almira wallet with the dApp thus allowing them to sign transactions, and assert identity without hopping screens or installing any extra software.

Almira Keyless is flexible and can be used with cloud-based wallets, and mobile wallets. In the case of cloud-based wallets, the user can sign transactions with just their Almira ID and password. This is highly secure in nature and keeps the funds opaque from the dApps and just sends signed transactions.

Almira Keyless uses Almira Vault to manage wallets and private keys thus giving it the ability to secure digital assets with the same 6-layer encryption. The flexibility to transact and sign on the go which in a decentralized world as it is currently envisioned, will be a frequent necessity. Keeping keys on the cloud mitigates the onboarding friction for first-time crypto users and buyers entering the highly jargonized crypto ecosystem.

### **Almira Node**

Almira ecosystem doesn't only cater to the end user but also provides tools to the developers to build better and with minimal friction using multiple SDKs, infrastructure, and APIs. Developers can use Almira Keyless as a wallet provider in their dApps by just integrating it with minimal code.

With wallets, Open APIs are also made available to the developers for real-time blockchain and cryptocurrency data which can be used for price indicators, block information, chain analytics, etc. All these services are available through a state of art dashboard available on the Almira developer's app. All paid services consume \$Almira as a mode of payment.

### **Stake & Farm via Almira**

Allows users of Almira wallet to interact with multiple staking services through which they can directly stake their digital assets and earn yields directly in their wallets. Staking will diversify with DeFi protocols and other tokens will come into play where users will be able to stake tokens and earn a better APY.

Staking with DeFi comes with inherent risks, including hacking, volatility, liquidation, poor smart contracts, and exit scams. Beyond those risks, even if you found a reputable, secure program for earning a yield, these aren't accessible to the average investor due to the:

<b>Cost</b>	<b>Technical knowledge</b>	<b>Time</b>
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Yield farming's transaction costs are often so high that earning a yield is uneconomical unless you have at least \$10,000 to invest	To mitigate your risk, you need an understanding of smart contracts, non-custodial wallets, farming procedures, and how to perform due diligence.	To get the highest return, you need to manage multiple platforms, research new pools and trading platforms and monitor protocols around the clock
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\$Almira staking will mitigate these risks by directly allowing a user to stake their crypto from their non-custodial wallet in a click, thus earning a high yield with low risk. Staking via Almira will also reward users with \$Almira

## Almira ID - A SSI Protocol for Identity Assertion

Using Almira ID, a blockchain-based Self-Sovereign Identity (SSI), can provide a plethora of benefits such as recording/sharing credibility, longevity, and other important profile metrics based on the historical transactional record of the identity/account owner. Anyone will be able to associate their on-chain chain credentials with their Almira ID and those credentials could be accessed using Almira ID by any third party in a transparent and verifiable way. Almira ID will be used to build an on-chain identity by providing a credential repository. A few use cases for such a system would be:

- **Financial Sector**

Referencing past on-chain activity of Almira ID users by tracking their DeFi transactions (lending, borrowing, liquidity provisions, etc.), so that they can use it as a repository of their past behavior in different Financial Markets. This could enable better decision-making processes for money market protocols for eg. Providing lending rates as per the historical behavior of the user

- **Gaming Sector**

Onchain Gaming is the next thing that is going to drive crypto markets, already gaming is one of the highest gas guzzlers on the Ethereum network. Enabling Almira users to earn and aggregate gaming creds from on-chain games can establish the credibility of the player using the Almira ID stack/wallet thus helping them to advance in gaming dApps using their creds.

- **Gig Sector**

Management, Assertion, and Endorsement of credentials are the most important part of a gig economy. Almira ID will enable users to aggregate their on-chain work and education credentials which will be immutable and auditable in real time.

## **Open Governance Framework**

Governance tokens confer holders the power to influence decisions concerning the core protocol, set of parameters, codes, smart contracts, product or feature roadmap, and any other changes to governance in the token's ecosystem.

### **Almira DAO**

A governance mechanism that allows \$Almira holders to propose changes and steer the Almira ecosystem by creating proposals that can be voted upon by \$Almira holders.

The initial design of the DAO will be created by the founding team which then is also governed by the DAO itself not just the ecosystem but the propellant force itself. Almira DAO Almira Token Page 13 Whitepaper Ver. 2.0 Users of the Almira wallet, in keeping with the ethos of open governance frameworks, will have a vote in the Almira governance.

Every user at the time of onboarding will be given some \$Almira to enable giving them a say in the Almira DAO as they are the ones holding a direct vested interest in the

future of the Almira ecosystem. Also, all the developers building on Almira, which means all dApps registered in the Almira Developers ecosystem will also be granted \$Almira as a reward for taking part in the governance.

As \$Almira is a governance and a multiutility token, it is a non-yield generating token, which means the token itself doesn't accrue any value by the protocol. The only way users can earn yield via the token is to stake it in the staking pool which earns an APY for the users.

## **Multi-utility features of \$Almira**

Almira allows users to store cryptos and at the same time lets users transact, secure, buy, and swap cryptocurrencies in their Almira ID wallets. Apart from the basics, there are multiple utilities where \$Almira can either be used as a method of payment or as a staking token which enables users to use utilities till the time tokens are staked.

\$Almira is primarily a governance token that will be used as a 1-1 voting stake in the Decentralised Autonomous Organisation (DAO) governing, regulating, and progressing the entire Almira ecosystem.

The Almira ecosystem enables users with powerful tools to access and use blockchain and crypto applications. All the basic tools are and always be free for users, but some features come at a cost as they are more advanced in nature and integrated with other ecosystems where the Almira ecosystem needs to pay. Some of the features are:

- **Almira ID & Almira Vault**
  - Porting to another blockchain like Ethereum, BSC will require the user to pay a one-time fee in Almira.
  - Auctioning of Almira IDs will incur an auctioning fee.
  - Mapping to ENS or other domain services Smart wallets, private transactions, and multi-sig wallets will come at a cost.
  - Guardian will need staking of \$SAFL \

- **Web3 infrastructure**
  - Developers will need to stake \$Almira to be able to use advanced plans.
  - Developers will need to pay \$Almira as per their use of Almira infrastructure and services
- **Gas Fees**
  - Users can pay in \$Almira to make on-chain transactions.

These are just a set of few that have been mentioned to make users understand the utility of \$Almira. Everything which will be integrated or built into the Almira ecosystem will be paid for in \$Almira only.

## **Products**

**Launchpad:** A platform to list verified crypto projects, tokens, ICO, and Airdrops. Provided with complete project-related details, token performance, and user reviews.

**NFT Marketplace:** A Multichain NFT marketplace to mint and trade digital assets with minimal fees and high traffic

**Token Locker:** A Smart contract-based crypto locker for companies to lock their assets publicly on the blockchain.

**Almira Academy:** A dedicated tutorial set of docs, videos, and images to help people learn all cryptocurrency terms most simply and guide them to using the Almira wallet.

## **Staking Rewards**

\$Almira being a governance and multi-utility token also rewards holders for staking \$Almira in the staking pool. This service will be enabled by a set of staking contracts on the Ethereum network allowing holders to stake their \$Almira in the smart contracts and which will generate a percentage yield on the amount staked.

Apart from being a reward and holding mechanism, this also balances token demand and supply. The number of tokens distributed as rewards will always be proportional to the number of tokens staked and the current circulating supply.

A total of 200,000,000 \$Almira is being allocated to staking rewards which are perpetual in nature

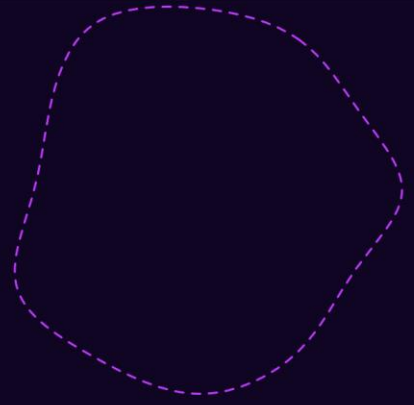
## \$Almira Demand & Supply

<p><b>Initial Release</b></p>	<p><b>Seed Sale &amp; Presale</b></p> <p>Initial token release for early birds for a low price</p> <ul style="list-style-type: none"> <li>• 3% Seed Sale (0.10\$): 10% of the purchase will be unlocked instantly, and the rest 90% will be unlocked as 15% every 60 days.</li> <li>• 0.2% Presale (0.10\$): 100% Unlocked, tradeable</li> </ul>	<p><b>Fair Launch</b></p> <p>Listing on decentralized exchange for a better price.</p> <ul style="list-style-type: none"> <li>• 0.4% - 40 Lac tokens added to liquidity,</li> <li>• Price balancing mechanism applied.</li> </ul>
<p><b>Marketing &amp; Rewards</b></p>	<p><b>4% Media &amp; Promotions</b></p> <p>Tokens will be used to make lateral payments to promotional resources.</p> <ul style="list-style-type: none"> <li>• 0.25% unlocked every 3 months for 4 years</li> </ul>	<p><b>3% Airdrop &amp; Bounty</b></p> <p>To Initial users, to use the app, share feedback and support on social media</p> <ul style="list-style-type: none"> <li>• 1% Register &amp; Social media: 10 Tokens (0.5 released daily) Refer Friends: 5 Tokens/ Ref</li> </ul>

		<ul style="list-style-type: none"> <li>• 2% Bug Bounty: 0.5% unlocked every 6 months for 24 months</li> </ul>
Team & Advisors	<p>9% Reserved</p> <p>Inhouse contributors and advisory board</p> <ul style="list-style-type: none"> <li>• 3% Team: 0.01% / month for 300 months will be unlocked</li> <li>• 6% Advisors: 0.5% unlocked every 6 months for 24 months</li> </ul>	<p>14% Founders &amp; Employees</p> <p>Project owners and working employees reserved funds for long-term sustainability.</p> <ul style="list-style-type: none"> <li>• 4% Employee incentives: 4-year vesting, 1-year cliff</li> <li>• 10% Founder: 4-year vesting, 1-year cliff</li> </ul>
Development	<p>21% System backup</p> <p>Long-Term Protocol &amp; Ecosystem Development</p> <ul style="list-style-type: none"> <li>• 3% Released every quarter</li> <li>• Balanced release as per development needs</li> </ul>	<p>5% Tech Upgrades</p> <p>Used for tech-related work expenses as a payment mode</p> <ul style="list-style-type: none"> <li>• 1% released every quarter</li> <li>• Includes server expenses too</li> </ul>
Partnership & Social	<p>14% Partnerships</p> <p>Brand, exchanges, service providers, and influencer partnerships.</p>	<p>0.6% Social Cause</p> <p>Reserved for charity and social works</p>



	<ul style="list-style-type: none"> <li>• 2% every 6 months</li> </ul>	<ul style="list-style-type: none"> <li>• 0.006% unlocked every month for 4 100 months.</li> </ul>
<b>Staking and Investment</b>	<p>12 % Strategic Funding</p> <p>The project will invest in other processes to generate a passive income for holders.</p> <ul style="list-style-type: none"> <li>• 2% Every year</li> <li>• Calculative investment volume</li> </ul>	<p>13.8% Staking Reserve</p> <p>Reserved for Staking rewards for participants.</p> <ul style="list-style-type: none"> <li>• 1% every 3 months</li> <li>• Will be released as per the total staking figures.</li> </ul>



# WhitePaper



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