# AScoin White Paper

Self-custody Financial Aggregator for the Web3.0

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# Preamble

The concept of crypto-anarchy, first proposed by Tim May and then promoted by W. Dai in 1998, is an ideal lawlessness state, an absence of government and absolute freedom of the individual. This conception is encouraged upon the birth of *Bitcoin: A Peer-to-Peer Electronic Cash System* was published, before which, information transmission was achieved through two internet protocols of TCP/IP, and with the development of Internet, Internet of Things, VR, AR, etc., data and information are more diversely transmitted and assets are more digitised or tokenized under the background of the monetization demands of economic and social development.

Digitisition and tokenization lower the barrier and make data tracking for individuals possible and made the paths of asset transfer traceable, thus more and more attention has been paid to the transparency of transfer of value and the paths to transfer assets or value peer-to-peer with apparent lower cost and in the meantime to largely decrease the chance of misconducts from account keepers. Satoshi Nakamoto's bitcoin whitepaper proposed to realise value transfer through the decentralised Bitcoin network in which all network participants are the supervisors of the transaction, and both parties can complete the transaction without establishing a trust relationship or a third party verifier. Blockchain technology has changed the way we obtain and share information, creating a new distributed, peer-to-peer ecological community.

Unlike the communities traditionally associated with the meaning "district or country considered collectively in the context of social values and responsibilities", in a crypto-anarchy the state government or a centralised authority is not temporarily destroyed but permanently forbidden and permanently unnecessary. It's a community built not on common value or mutual trust either to a powerful authority or reputable third party notary, it's a community where the threat of its indestructibility is the deny of consensus, which is impossible because violence to the protocol is impossible, and violence is impossible because its participants cannot be linked to their true names, physical locations or any other personal information that may expose them to the accessible attack.

The data storage and value appreciation of web3.0 give birth to several crypto applications like decentralised wallets, and they have been a personal assets management tool for users to enter web3.0 in return. Web3.0 marking the web's evolution beyond the 1.0 era of HTML web pages and early e-commerce into the gaudier 2.0 period, which saw the birth of social media and 'user-generated content', but at the same time, users have to go to a search engine and trust it if he/she wants to search information online, the term has also become a representative or saviour for decentralised autonomous organisations (DAOs) and decentralised finance (DeFi), who envisage 'Web 3.0' as a more transparent, freedom-loving space where an individual's data and speech will be immune from tampering and indelible, underwritten by thousands of Blockchain ledgers. Meanwhile, Web 3.0 sees digital information liberated from our smartphones and laptops and embedded into the environment around us. This so-called 'spatial web' will see virtual and augmented reality integrate with our daily lives.

Web3.0 will be free speech on the blockchain. In addition to being a necessity for the DeFi world, Web3.0 wallets don't need you to complete KYC/AML processes, preserving your privacy and anonymity. The new vision of Web 3.0 stemming from concerns over personal data protection is a decentralised web of personal data. It presumes that users are disturbed by the accumulation of their data by traditional Internet giants and will embrace a model that puts them in control. AScoin is designed to do just that, as a web3.0 wallet, giving all requests for personal data on-chain and no request will give permission to web2.0 service providers for authentication thus “AScoin” the privacy of users and independency of the platform.

There have been many blockchain projects in the community, some of which are committed to becoming a general smart contract platform and a decentralised application platform since the Bitcoin code was open sourced in 2009, but the projects haven’t developed into a well-performing section in blockchain industry not only from a technical perspective, but also from an industrial application perspective. They still face many challenges, mainly reflected in the following aspects,

1. The compatibility between different public chains and the interoperability between blockchains are underdeveloped. All public chains are running parallelled with each other, which has been a great obstacle for the current crypto world. For example, the Bitcoin ecology based on the UTXO model and the Ethereum ecology based on the Account model are incompatible;

2. On-chain governance has been an increasing headache in terms of effectiveness. For most decentralised organisations, the upgrade and governance will become a big problem once the mainnet is finished deploying;

3. The lack of flexibility of consensus mechanism could be obstructive. The PoW consensus mechanism has certain limitations in terms of energy requirements and incentive mechanisms for currency holders or users, and there is a risk of centralization in terms of mining computing power;

4. The Lack of a new-generation of smart contract platforms. Most blockchain projects are actually centralised to a large extent. They not only require gmail to login but the phone numbers or even ID card and passport to limit users accessibility and thus expose their privacy. Moreover, the lack of connection of those projects with real society will limit the wide application of various industries.

5. Third parties result in privacy violations for web3.0 applications. Take asset storage app DWallet as an example. A well-accepted Web development technique can be problematic in DeFi because it facilitates phishing and may allow third-party trackers to learn the user’s wallet address. This is the impact of third-party tracking on DeFi wallet privacy.

Interviewed in 2005, Tim Berners-Lee looked back on his creation with pride, and hoped that the trajectory of its evolution would continue to be informed by its original, decentralised

architecture. “I feel like the web should be something which basically doesn’t try to coerce people into doing, putting particular sorts of things on it – that it’s open, like a sheet of white paper.”

AScoin will try to address some of the existing deficiencies of blockchain mentioned above by introducing a real web3.0 decentralised self-custody financial aggregator.

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# Risks

You acknowledge and agree that there are numerous risks associated with purchasing SURE, holding SURE, and using SURE for participation in the AScoin platform. In the worst scenario, this could lead to the loss of all or part of the SURE which had been purchased. IF YOU DECIDE TO PURCHASE SURE, YOU EXPRESSLY ACKNOWLEDGE, ACCEPT AND ASSUME THE FOLLOWING RISKS:

1. Uncertain Regulations and Enforcement Actions. The regulatory status of SURE and distributed ledger technology is unclear or unsettled in many jurisdictions. The regulation of virtual currencies has become a primary target of regulation in all major countries in the world. It is impossible to predict how, when or whether regulatory agencies may apply existing regulations or create new regulations with respect to such technology and its applications, including SURE and/or the AScoin platform. Regulatory actions could negatively impact SURE and/or the AScoin platform in various ways. The regulatory authorities or their respective affiliates may cease operations in a jurisdiction in the event that regulatory actions, or changes to law or regulation, make it illegal to operate in such jurisdiction, or commercially undesirable to obtain the necessary regulatory approval(s) to operate in such jurisdiction. After consulting with a wide range of legal advisors and continuous analysis of the development and legal structure of virtual currencies, a cautious approach will be applied towards the sale of SURE. Therefore, for the token sale, the sale strategy may be constantly adjusted in order to avoid relevant legal risks as much as possible.

2. Inadequate disclosure of information. As at the date hereof, the AScoin Platform is still under development and its design concepts, codes, and other technical details and parameters may be constantly and frequently updated and changed. Although this white paper contains the most current information relating to the AScoin Platform, it is not absolutely complete and may still be adjusted and updated by the AScoin team from time to time. The AScoin team has no ability and obligation to keep holders of SURE informed of every detail (including development progress and expected milestones) regarding the project to develop the AScoin Platform, hence insufficient information disclosure is inevitable and reasonable.

3. Competitors. Various types of crypto management platforms are emerging at a rapid rate, and the industry is increasingly competitive. It is possible that alternative parties could be established that utilise the same or similar code and protocol underlying the AScoin open platform and attempt to re-create similar facilities. The AScoin platform may be required to compete with these alternative parties, which could negatively impact SURE and/or the AScoin platform.

4. Loss of Talent. The development of the AScoin platform greatly depends on the continued cooperation of the existing technical team and expert consultants, who are highly knowledgeable and experienced in their respective sectors. The loss of any member may adversely affect the AScoin Platform or its future development. Further, stability and cohesion within the team is critical to the overall development of the AScoin platform. There

is the possibility that conflict within the team and/or departure of core personnel may occur, resulting in negative influence on the project in the future.

5.Security weaknesses. Hackers or other malicious groups or organisations may attempt to interfere with SURE and/or the AScoin platform in a variety of ways, including, but not limited to, malware attacks, phishing attacks, and brutal attacks. Furthermore, there is a risk that a third party or a member of the AScoin Foundation or its respective affiliates may intentionally or unintentionally introduce weaknesses into the core infrastructure of SURE and/or the AScoin platform, which could negatively affect SURE and/or the AScoin platform. Further, the future of cryptography and security innovations are highly unpredictable and advances in cryptography or technical advances could present unknown risks to SURE and/or the AScoin platform by rendering ineffective the cryptographic consensus mechanism that underpins that blockchain protocol.

6.Other risks In addition. The potential risks briefly mentioned above are not exhaustive and there are other risks associated with your purchase, holding and use of SURE, including those that the Foundation and the team cannot anticipate. Such risks may further materialise as unanticipated variations or combinations of the aforementioned risks. When making a purchase decision, the purchaser should carefully consider whether it is suitable for its financial situation, purchase objectives and experience, risk tolerance, and other relevant circumstances, and should also understand the relevant risks involved in the purchase of SURE. You should conduct full due diligence on the AScoin platform, AScoin Foundation and their respective affiliates, and the AScoin team, as well as understand the overall framework, mission and vision for the AScoin platform prior to purchasing SURE.

# Chapter 1  Overview

## 1.1 Introduction

### 1.1.1 About AScoin

AScoin is a Web3.0 decentralized digital wallet, as well as an aggregated management platform for encrypted assets.

AScoin focuses on the demands of users in Web3.0, offering a secure, reliable and user-friendly self-hosted service for encrypted assets. AScoin interconnects with the top centralized exchanges, seamlessly bridges CEX and DEX and becomes a wallet with which users can switch freely from CeFi and DeFi.  AScoin aims to provide its users with a secure, useful and value-added management tool for encrypted finance, making it easier for crypto management, and becomes the portal of Web3.0 digital financial ecosystem.

The bullet points of AScoin are as follows,

AScoin Wallet
Provide a secure, reliable, user-friendly self-hosted service for encrypted assets. Seamlessly bridge CEX and DEX, one App, join Web3.0 with one click.

Asset management
The most powerful encrypted asset management platform in the world. In the multi-chains age, users can manage all their accounts and assets on multi-chains in AScoin. With one wallet address, you enjoy the top central exchanges without privacy worries. People participate in the trading mining rewards and gain better exchange with less cost.

AScoinPay
Freely make global payments, anywhere, anytime. AScoin removes the cracks between traditional finance and encrypted finance, extending the border of payments for the public. In fact, AScoin plans to offer the exchange service for legal tender and cryptos in more than 50 countries and districts, supporting Visacard, Mastercard,etc. The users can exchange money at the current price and make payments offline with no barriers.

DeFi aggregation
Aggregate all the financial management services on DeFi and CEX. AScoin makes referrals personally, lowering the use barrier for masses. The user can switch among multi-chains and efficiently exchange the top encrypted assets crossing different chains.

SURE token
$SURE is the only ecosystem token. $SURE will positively incentivize users circularly and enable users to join in community governance.

### 1.1.2 Background

With the innovative development of blockchain, decentralised financial protocols (DeFi) have gradually led the market direction, inspiring more DeFi technology applications and the expansion of emerging public chains. As CeFi and DeFi meet new and old, AScoin I have seen the storage value, transaction demand, payment mapping, lending scenarios, NFT market and derivative chains of the cryptocurrency market gradually grow in the blockchain network. At the same time, I also found that the entire DeFi market and the metaverse are still in the early stage of development. This asset aggregation application is still evolving, that is, there are differences in product functions, different security levels, and market service gaps between different wallets.

Thanks to the decentralised, aggregatable, and value-added features of digital wallets, AScoin will integrate the top public chain networks in the global market and build a globally visualised multi-chain service system on top of it. AScoin will serve as the entry and channel for digital financial application storage, transaction and value-added, and work with global ecological partners to create a sound and colourful new blockchain financial infrastructure for the encrypted world.

AScoin hopes to provide a convenient and secure access interface for blockchain developers and a new friendly and easy-to-use interface for users in the crypto world through co-construction and symbiosis with the mainstream DAO community in the global blockchain. Free and fair enjoyment of blockchain open financial value-added services.

## 1.2 Market Positioning

### 1.2.1 Importance

As the rapid growth of the blockchain industry and the user volume as well as asset scale of the cryptocurrency market, the decentralised exchanges (DEX) have been gradually recognized and accepted by the market. In addition to the favour and layout planned by the traditional corporations, the differentiated response strategies of various countries in the world, it is foreseeable that the applications and payment tools in the crypto world are about to usher in its golden age. More importantly, as the most important part of the blockchain financial market, the success of digital wallets will be directly related to the transformation of traditional finance and customer satisfaction, and will also profoundly affect cryptocurrency becoming a more inclusive tool for store of value and payment for value.

In 2021, the two major ecological applications of the blockchain "DEFI & Metaverse" suddenly sprung out, and the explosive growth of encryption applications in the corresponding fields has attracted many users around the world, and the current market basically supports digital wallet to directly connect with websites. AScoin is launched at this time to enrich the functions of the digital wallets, which is particularly urgent and critical.

Moreover, some industry-leading public chains, such as ETH, Solana, Avalanche, etc., also have such needs, so the emergence of MyEtherWallet wallet, Phantom wallet, etc. Although these have met some of the needs of a certain number of users, they still have a high threshold, blocking the newbies out of their ecosystem, and it is difficult for users outside the blockchain circle to enter the market. Therefore, AScoin focuses on helping everyone entering the crypto world without barriers, making it user-friendly, practical, efficient and safe for all users.

## 1.2.2 Value

### 1.2.2.1 Value of Security

Security is the foundation of digital wallets. AScoin strives to protect users' crypto assets from any malicious attacks by designing end-to-end privacy preservation, multi-layer technical protection architecture and other unique security mechanisms. On the application side, users have corresponding risk warnings and query guarantees prompted out before operating the AScoin wallet, which is also the superiority of AScoin to other wallets in the market.

### 1.2.2.2 Valute of Functions

Working for users' value is an important principle in AScoin's initial design, especially the function service which enables blockchain users to feel the carefulness and creation of AScoin. AScoin aggregated the asset storage, financial management, and timely marketing info service (including Dapps and NFT info), as other digital wallets. Besides, AScoin developed three innovative services for its users: support trading service of global top CEX, support easy pay, support encrypted social.

- Support tier-1 Exchanges – AScoin seamlessly integrates global leading crypto exchange Binance and brings AScoin users undifferentiated experience.

- Easy payment – AScoin supports free flow and exchange of crypto assets over 50 countries and regions. It integrates MasterCard, VISA, etc. and aims to realize real-time conversion of crypto prices and easier offline purchase.

- Encrypted social – Aspace focuses on building the encrypted social network behind each transaction and contract interaction. It is a technically encrypted space for anonymous personal interaction, so that all encrypted activities on Web3.0 can have a social core and become the value discovery holy place of SocialFi.

#### 1.2.2.3 Value of Trending

The trend of the Web3.0 era is also the traffic entrance of the future encrypted world. AScoin adheres to the return of rights and interests to users, so users can freely get in and out, thus experiencing asset appreciation and rights confirmation to themselves.

At present, DeFi is growing towards the DeFi2.0. With the ecological transformation of DeFi, it is subtly affecting and reshaping the value trend of encrypted assets. AScoin is at the right time to implement DeFi at the application level and service port, allowing global users a safe and autonomous digital wallet.

## 1.3 Vision

In response to the potential problems existing in blockchain technology and industry applications at this stage, the AScoin development team, in conjunction with the development forces of high-level technical communities around the world, has deeply cultivated the underlying technology of the digital wallet framework. A series of technological upgrades and innovative solutions, such as building a multi-chain and cross-chain decentralised aggregated digital wallet, effectively solve the problems of insufficient compatibility between different public chains and complicated operations for users. AScoin currently supports BTC , ETH, BSC, Solana, HECO, OKX, TRON, Polkadot and other industry-leading public chain applications, and some cross-chain application layer protocol tools are also under development to build an efficient high-frequency interactive aggregator of digital assets.

AScoin hopes to innovate and launch APoS (AScoin Proof Of Stake) in the future based on the DPoS (Delegated Proof of Stake) consensus mechanism, that is, to ensure the consensus of Proof of Stake. It is believed that in the near future, anyone can be sure that personal digital assets are safe and reliable, ensuring the privacy and encryption of transaction data ultimately belong to the user. AScoin Global Foundation will also make every effort to promote APoS consensus nodes all over the world to achieve effective collaboration and distributed implementation of the global APoS end-to-end network.

On the other side, AScoin hopes to innovate the DAOP (Decentralised Autonomous Organisation Protocol) in the future on the basis of the blockchain DAO (Decentralised Autonomous Organisation) industry community mechanism, which will make the decentralised community autonomy focus on protocol level, and form an efficient on-chain governance mechanism to ensure the stable operation of the entire ecosystem of AScoin and the independent determination of rights and interests.

In addition, AScoin will provide different versions of open source systems and operating terminals in order to respond to the operating system and development needs of different users and developers to truly achieve open source. AScoin will build a globally influential international DeFi wallet brand ecosystem while providing convenient mobile service and encouraging third-party developers together with community builders. The ultimate goal is to

integrate digital asset services into different industries such as DeFi, E2EE response, GameFi, Metaverse, and DAO communities.

## 1.4 System Architecture

The technical core of AScoin digital wallet is the combination of blockchain infrastructure and layered architecture. It provides a terminal platform for frictionless interaction with multiple different chains for DeFi and Metaverse.

Although multi-chain projects were emerging only a few years ago, the crypto industry now seems to be looking forward to a “multi-chain and cross-chain future.” This means that on-chain applications operated by users can seamlessly switch between the corresponding underlying public chains (eg, Ethereum, Solana, Polkadot, etc.) and different underlying platforms (eg, OpenSea, Binance NFT, etc.). There needs to be an aggregation terminal for users that can coordinate and abstract all these complex and mutually resistive chains to form a standard one-stop service platform that can be reached in a timely manner.

AScoin digital wallet, based on high-performance blockchain technology and massive data interaction, allows developers and users to interact smoothly. Frequent transactions and operations will be a headache especially in the case of instantaneous market conditions and opening rush purchases, when mainstream public chains such as BTC and ETH have setbacks such as low concurrency, lack of TPS processing capacity, network congestion, high handling fees, terrible slippage losses, and confirmation delays between various chains , which obviously hinder the long-term development needs of digital wallets. The bottom layer of the application built by AScoin has powerful concurrency capabilities, up to millions of TPS and a basic design with low transaction fees in the industry, which can meet the high-frequency dynamic business needs of market users, and the decentralised network can ensure the global security and stability of digital wallets. operation.

The rules of smart contracts are transparent, open and fair. The smart contracts of the AScoin digital wallet can be checked on-chain, and the rules are transparent, which can ensure the fairness of the AScoin platform. The data is completely open and shared, and anyone can view and verify it, thus preventing fraud.

The data is tamper-proof. The interaction data on the AScoin digital wallet is all recorded in each node on the network, and no one can tamper with it, ensuring that the user's assets will not be affected by a server attack.

# Chapter 2 Product

## 2.1 Product Design

### 2.1.1 Top Security

AScoin digital wallet is a Web3.0 decentralised aggregator. It is built by a team of security experts in the blockchain industry. Through offline private keys, multi-signature agreements, and multi-layer security privacy protection mechanisms, AScoin ensures that each user's private key is unique, and the user holds it for himself and never connects to the Internet. This private key can be recovered and presented in any decentralised wallet.

### 2.1.2 Platform Architecture

AScoin digital wallet not only provides decentralised asset storage solutions, but powerful asset appreciation functions and encrypted E2E response services, such as spot, leverage, contract functions, panoramic Binance trading market and in-depth recurrency. It allows users to access mainstream Dapp applications as well as the hottest and latest DeFi data information and various asset value research reports in the market and enjoy end-to-end encrypted interactions and a seamless digital platform open experience with one click.

### 2.1.3 Multi-chain Management

AScoin digital wallet currently supports BTC, ETH, BSC, Solana, HECO, OKX, TRON, Polkadot and other industry-leading public chains, and will support more emerging public chains with ecological potential in the future. The wallet private key is stored in the user's own device, permanently physically isolated, and never linked to a third-party platform. The ownership of digital assets will be completely in the hands of the user.

### 2.1.4 One-stop Platform

AScoin digital wallet, covering various functional services of encrypted assets through the entire chain of the APP, users can hold an AScoin digital wallet to control them with one click. While reducing the burden on users to manage assets, it is also a connection support for applications and value tools emerging in the "DeFi & Metaverse" ecosystem, allowing blockchain entrepreneurial teams to focus more on the core services of their applications.

### 2.1.5 Security Guard

In addition to allowing users to fully control the wallet keys, AScoin also provides multi-signature technology guarantees and 2FA authorization verification for different users' asset operation preferences. Users can choose to perform email verification, digital password, fingerprint and face recognition when transferring transactions to ensure the security of digital currency assets in an all-round way.

# 2.2 Product Highlights

## 2.2.1 Basic Features

Digital wallet applications are a necessity for users to enter the world of blockchain and decentralised chains. As one of the necessary service facilities of the public chain, a fully functional and secure wallet application is very important, which often determines the operating experience of crypto users when interacting on the blockchain.

AScoin, as a decentralised digital aggregation wallet, in addition to providing simple basic functions such as digital asset (including NFT) storage, mining and financial management, and data and market qutations, it also adds advanced functions such as digital asset value-added management, E2E encrypted response, and DeFi big data services.

### 2.2.2 DAPP & Metaverse

AScoin digital wallet, as an infrastructure for Web3.0, integrates multi-chain, cross-chain, NFT and other services for DAPPs and Metaverse. As a high-performance digital wallet that can realise EVM multi-chain contract interoperability, AScoin will serve all participants who want to explore the blockchain world.

AScoin digital wallet provides an aggregated mining service portal through the unique verification mechanism of "free launch & synchronous airdrop", the network will gather top chain ecological DAPPs and metaverse applications including ETH, BSC, Polygon and other chains, and will include mainstream coins and popular coins and blockchain scans, combined with a variety of digital asset storage and value-added basic functions, builds a rich and full-functional digital traffic portal and an international platform for digital asset interaction.

More and more DAPP and META ecological developers, various user groups and third-party service providers will live on the AScoin digital wallet, which will promote the emergence of more value applications (such as Swaps, Hedgings, Asset custody value-added, etc.), and then form a complete, closely related blockchain ecosystem.

### 2.2.3 Dual-end【DEX+CEX】

#### 2.2.3.1 DEX Trading End

AScoin DEX was developed upon the shoulders of predecessors. DEX trading terminals nowadays are still in the early stage of development, there are problems such as poor product design, lack of transaction depth, insufficient performance, but this does not affect the general trend of DEX's popularity. AScoin DEX has the advantages of popular DEXs at the beginning of its design, such as decentralisation, freedom of transaction, censorship resistance, permissionless, high degree of autonomy, etc. Especially with Layer 2, DEX will also be equipped with Orderbook, which is generally considered as the merit of CEX. AScoin

DEX is currently at the stage of landing, and the future in-depth combination with DeFi and NFT will inspire another wave of infinite imagination.

#### 2.2.3.2 CEX Trading End

Positive incentives for exchange, say bye to high trading fees.

AScoin users conduct the spot tradings and perpetuals tradings on the AScoin CEX, which is interconnected with Binance, and participate automatically in AScoin's trading mining plan with a token reward of $SURE. Compared to trade on Binance, you can reduce the trading fee and gain the token rewards of $SURE. The mining efficiency depends on your own trading amount, notice that spot trading and perpetuals have different plans, please check it. During the whole procedure, users will be positively incentivized. The more you trade, the more $SURE you gain.

Direct access to top platforms — share safety and stability with trustworthy institutes

AScoin is initially backed and empowered by Binance, the world's top trading platform via crypto data configuration. Specifically, AScoin transactions and Binance trading plates are interconnected, which means, when users are using the AScoin wallet, they are directly connected to the trading section in Binance to conduct spot and leverage transactions. Based on Binance's excellent technology advantages and great brand reputation, the security and stability of assets in AScoin wallet are strongly guaranteed.

Credible real-time data & Intuitive transaction data

AScoin realises the real-time update of data reflected on public chains it integrates, and uses multi-layer crypto algorithms to keep the data closely related to the BSC. It is committed to provide a safe and reliable asset transaction environment and data privacy protection. Especially at the level of transaction data, AScoin uses irreversible crypto storage and cloud database to ensure the privacy and security of asset exchange before and after the transaction. Each transaction is confirmed through the security signature on the wallet side, allowing users to trade freely without worrying about privacy.

Low KYC required & No threshold for tradings

AScoin is a decentralised multi-chain aggregation wallet with no need for KYC and other complicated or centralised authentication thresholds. Every user can create a digital decentralised identity (DID) on the platform based on blockchain technology and users' privacy is fully protected. Users can transfer assets just as they do in DEXs and CEXs anytime and anywhere by AScoin.

### 2.2.4 AScoin Pay

AScoinPay is an aggregated gateway payment protocol, eliminating the gap between traditional finance and encrypted finance and widen the border of payments for masses.

AScoinPay plans to offer the exchange service for legal tender and crypto in more than 50 countries and districts to smooth the flow of encrypted assets globally.  AScoinPay always puts asset security in the first place. It conducts the tamper-proof encryption technology, aggregates different payment plans,(e.g., VisaCard, MasterCard), and support the real-time exchange with the current price, which realize the global payments and offline shopping of encrypted assets with high security of data and asset.

Span traditional finance and crypto world and expand payment boundary with one click.

Swift Global Transfers
- Free flow of your assets to over 65 countries and regions around the world.

Anti-tampering Mechanism
- Encryption technology is adopted to ensure the safety of personal data.

Universal Cards
- Support MasterCard, VISA,  UnionPay, etc.

Expand Payment Boundary
- with One Click Pay with digital assets anytime anywhere.

### 2.2.5 Aspace

During the developing procedure of DeFi, we pressed too much on the connection and combination of protocols, while ignoring the importance of people there. SocialFi is super undervalued. There is no DeFi protocol struggling with the social network building or making social networks as a part of the DeFi protocol. On the contrary, people ask the community out of protocol but join central social media, like Discord or Telegram.

That’s why AScoin create Aspace in the Web3.0. Aspace is an encrypted social space created by AScoin, focusing on the establishment of encrypted social networks for each transaction and contract interaction. Aspace empowers all the encrypted activities in Web3.0 with social function, and becomes a value-finding holy place for SocialFi.

Aspace is a unique embedded function of AScoin, the Web3.0 wallet aggregator. Aspace aims to provide a safe and anonymous blockchain social platform. Aspace uses E2EE tech to guard the privacy and security of the data transmission, featuring more stability, reliability and security compared with P2PE. The End-to-End crypto response space of AScoin wallet is a technically encrypted instant message space for asset transaction and anonymous personal interaction.

The P2P encrypted communication of AScoin is a truly encrypted social space for blockchain users in interaction and asset transactions. Aspace fully protects users personal information, avoiding the scam of information leakage. Users can control their info and cash out their social value freely without the commission of central platform.

Compared with P2P single data transmission requests, AScoin has technical advantages.

In terms of the safety mechanism, Aspace is an all-way encryption channel. AScoin's Aspace will encrypt all information User A provides before sending it to the proxy server, then the data will be sent to User B and only User B has the right to decrypt it. Once the transport is encrypted, a highly secure full-line encryption processing channel is formed, no one except the information receiver has access to the original info. Aspace uses Websocket technology to enhance transmission stability. The system can continuously send information transmission requests until the transmission succeeds, and it is not easy to cause data loss, thereby ensuring the stability and security of asset transmission. The proxy server is used to ensure the privacy, security and stability of data asset transmission. E2E technically determines that a third party cannot view the encrypted data under any circumstances. Even if the data transmission fails or the server is damaged, no third party other than the receiver can crack the encrypted data, which further ensures the privacy of the AScoin ecosystem.

Users can transfer digital assets to each other via the encrypted window to send and receive. Before each asset transaction, both parties should confirm it to proceed. After the asset is transferred, it can be queried on the chain with no privacy leakage or security concerns. Furthermore, encrypted groups of different types, modules and activities can be selected according to user preferences, allowing users to quickly understand and participate in various popular activities and corresponding business services. In turn, blockchain application communities and airdrop activities also need the Aggregation effect of Aspace. The user can chat with each other via an end-to-end secret answering port, send and recall messages, pictures, files and text links, and burn the records immediately after reading.

### 2.2.6 Value-added services

With the development of the Blockchain industry, especially the explosion of [Dapp & Meta], the digital wallet has become a daily tool for the blockchain users. AScoin, as a rising star, will try our best to do a good job as a digital wallet aggregator. AScoin serves the decentralized ecology in a secure, credible and free environment, with the following characteristics:

**In asset aggregation:**

All the projects in AScoin aggregator have to pass the coding audition with no security crash in their history. Users, who deposit their assets on AScoin, are qualified to use the high-APR staking products, which is self-selected and pays the stakers. AScoin plans to cooperate with the qualified projects in the future with which the $SURE holders can join and then get a bonus gain in pointed projects of AScoin.

**In the computing power rewards:**

The users will contribute their mining power with AScoin digital wallet and gain certain tokens in return. The tokens can be used for investing, consume, transaction and derivatives.

**In the value-added storage:**

Compared to the decentralized wallets of other platforms, which are obviously more suitable for experienced crypto players, OTC suppliers and developers to store and trade plenty of token with high-value, AScoin is user-friendly platform of digital asset storage, exchange and appreciation for every user, due to its security, lower fees and stable value appreciation.

# 2.3 Security

## 2.3.1 Multi-signature Threshold Technology

The top priority of a decentralised wallet is security. AScoin protocol contract authority requires administrator authority to operate involving upgrade and configuration. AScoin adopts a multi-signature technology, so multiple private key signature authorizations are required to transfer assets. Users can customise the rules (M-of-N) when creating multi-signatures. M represents the threshold for the signature to take effect, and N represents the total number of participants. AScoin adopts multisignature threshold technology with following features:

In terms of mechanism, AScoin restricted the data in the wallet contract. To be specific, there is a limit on the flow of cross-chain data transfer of the wallet on a daily basis. It is designed to guarantee the security of data to the greatest degree on mechanism level, so the data locked in the entire DWallet protocol have a limited quantity, thus reducing the risk of hacker attacks.

In terms of technology, AScoin adopted multisig technology to verify each flow of data on the premise of guaranteeing cross-chain data transfer experience, so the security of the DWallet is greatly improved.

In terms of consensus mechanism, AScoin supports multiple verifiers for nomination, adding more verifiers is an effective way to avoid the situation that a single administrator malconduct. At the same time, through the DRAND consensus random algorithm, the main verifier of each transaction is selected to collect the signatures of other verifiers, which improves the verification efficiency. Moreover, in order to improve efficiency and ensure security in the meantime, the signatures collected by the main verifier will be verified again through back-sign, thus avoiding the situation of the main verifier's malconduct.

Currently, oveer 90% of digital asset trading terminals use ordinary wallet address management. If multi-signature wallet management is used, the security of the wallet will be greatly improved. As shown in the figure above, under normal circumstances, user transaction addresses starting with f1 or f3 are ordinary wallet addresses, while multi-signature transaction addresses starting with f2 are multi-signature wallet addresses.

### 2.3.2 Self-custody of Transaction

For the user's on-chain transaction behaviors, the smart contract design ensures the self-management of transaction settlement, that is, either the transaction conditions are met and the settlement is completed, or the transaction fails, the user's assets are always kept in the wallet under their control.

### 2.3.3. Delay of the Entry Into Force

At the same time, for operations related to user assets, the contract has designed the feature of timelock to take effect in a delayed manner to avoid accidental immediate effect, and administrators can make corrections within the delay period.

### 2.3.4  Risk Minimization Principle

For the trust relationship between users and protocols, AScoin follows the principle of minimization. In the first version of AScoin's design, users need to trust the verification and settlement logic of the policy contract. All contract codes are open source, and transparent contract verification is completed on the chain, and anyone can audit the content of contract, thus establishing trust based on transparency.

### 2.3.5 Audit

The first round of audits will be completed by a professional security team before the mainnet is launched, and the launch schedule will be arranged based on the conclusions of the audit report. After the mainnet goes online, a second round of security audits will be conducted based on the contracts deployed on the mainnet. Before each contract upgrade, a third-party node audit will be submitted.

### 2.3.6 Bug Bonus

AScoin will continue to provide Bug Bounty and encourage the community to submit security risk reports.

# Chapter 3 Tokenomics

## 3.1.AScoin Ecosystem

Participants in the AScoin ecosystem include,
● Users, including service users, third-party collaborators, referrers, etc..
● Liquidity providers, including market makers, brokers, asset providers, etc..

● Developers, including core development team, community developers, relay operators, third-party service integrators, etc..
● Governance participants, including proposers, reviewers, voters, token holders.

It is precisely because developers have created protocols, products, and services that can solve users' practical problems so that users can be attracted and willing to pay for them. At this time, if the value created by the network continues to be invested in ecological construction, more contributors will be encouraged to participate, and the optimization and upgrading of all levels of the network will be promoted, thereby creating greater value, and the entire network will enter the development track of positive feedback. The AScoin digital wallet is the most important medium to promote the entire ecological economic cycle.

# 3.2 SURE

## 3.2.1 What is SURE

$SURE Token is the native utility token of the AScoin Wallet platform, powering the entire ecosystem. $SURE tokens are built on Ethereum(ERC20), BNB Chain (BEP20)

Initially, 1 billion SUREs will be deployed on the BNB chain. In the future, some SUREs on the BNB chain will be destroyed as needed, and the same number of SUREs will be deployed on the Ethereum chain, to realize multi-chain deployment.

## 3.2.2 Use Cases

**Services Fee discount**

When using AScoin Wallet to transfer，AScoin allow users to use SURE to paying the Gas fees

**Mining Incentive**

To attract more users to the AScoin wallet，AScoin Wallet will offer mining incentives to users who participate in Trading and Earn.Incentives will be distributed in the form of SURE tokens.

**Governance**

SURE ensures the community the right to participate in AScoin governance. SURE token holders may initiate and vote on AScoin governance proposals to determine current as well as parameters (handling fee parameters, repurchase parameters, supporting assets, etc.) of future AScoin features and the purpose of the Treasury of the AScoin to promote decentralised community governance for the network. By participating in the platform’s

governance, users can commit SURE tokens to vote on new features and changes to various protocol parameters throughout the AScoin crypto network.

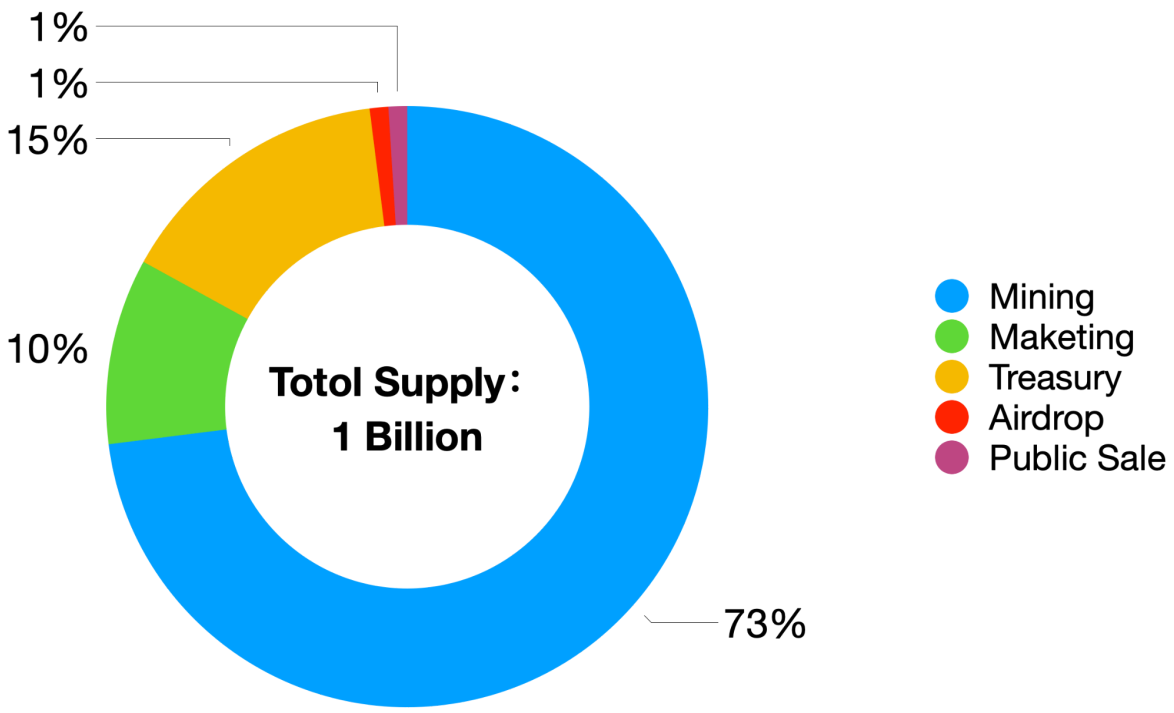
For the avoidance of doubt, the right to vote is restricted solely to voting on features of the AScoin wallet; the right to vote does not entitle SURE token holders to vote on the operation and management of any other entities related to the team, its affiliates, or their assets or the disposition of such assets to token holders, and does not constitute any equity interest in any of these entities. The arrangement is not intended to be any form of joint venture or partnership.

**Unique VIP rights**

SURE Token holders are arranged into a tiered system that provides access to exclusive privileges and premium events, based on the amount of SURE held. Users in higher tiers will gain exclusive access to premium events and privileges, such as priority for airdrop event participation and other rewards-related events.

### 3.2.3 Token Distribution

The total supply of $SURE is 1 billion. 73% for Mining, 10% Marketing, 15% for Treasury, 1% for Airdrop, 1% for Public sale.




**Mining 73%**

This part of the token proportion of 73%, mainly used for protocol mining, mining rules speak before mining is opened to publicize the detailed mining rules, will not be repeated within this whitepaper.

Mining TGE release 0%, after the listing of SURE, open mining.

**Marketing 10%**

This part of the tokens is used for marketing and liquidity market making for the listing, as well as joint marketing campaigns with key strategic partners.

3 years vesting, 30% release at TGE. linear unlock starting from the 7th month.

**Treasury 15%**

Treasury portion of tokens to support long term building and ecological development of AScoin.3 years vesting, 10% release at TGE, 1 year cliff, linear unlock starting from the 2nd year.

**Airdrop 1%**

For retroactive airdrops to early users of AScoin. Airdrops will be claimed via the official website. Airdrops are linearly unlocked.  1 year vesting, 10% release at TGE, Remaining to be unlocked linearly according to points gotten from activities

**Public sale 1%**

This portion is used for public sales to impact investors in the community.TGE 100%.

## 3.2.4 SURE Buyback Program

SURE has the buyback program. The buyback program is funded by AScoin Wallet's profits, and by taking out a certain percentage of the profits to buy back SURE, it helps the long-term stability of the SURE market.

### 3.2.4.1 AScoin Profit

| Category | Detailed description | Remarks |
|---|---|---|
| **CEX Broker** | Binance take 45%-50% of the transaction fee rebate; MEXC spot is 0 fee before 2024, and after 2024, it will start charging a fee, which is tentatively set at 50% of the transaction fee rebate | May fluctuate depending on market conditions |
| **ASwap** | Three-thousandths channel service charge | stable income |
| **Commercial** | advertising revenue | N/A |
| **Earning** | Earning profitability, quantified income, etc. | N/A |
| **Others** | TBD | N/A |

### 3.2.4.2 Buyback Program

SURE buyback program opening time, wait until the official announcement of AScoin. The plan is to take out 30% of the quarterly profit to buy back the SURE, and the buyback SURE will be sent directly to the black hole address for burn, or sent to the public freezing address to be monitored by the community.

#### 3.2.4.3 Bonus Program

In addition to the buyback, AScoin also plans to put aside a percentage of its profits to pay dividends to veSURE holders. veSURE is AScoin's dividend-paying pass, which is obtained by pledging SURE tokens.

# Chapter 4 AScoin DAO

## 4.1 AScoin DAO Model

AScoin DAO is the negotiation and execution process of the blockchain network protocol embedded in the AScoin system itself. Different from most on-chain governance models, AScoin provides a new on-chain governance model for blockchain networks by designing a distributed autonomous protocol.

AScoin DAO introduces users who perform liquidity mining within AScoin. This segment of users will be the main participants in the AScoin DAO.

### 4.1.1 On-chain Governance Based on Smart Contract

AScoin manages the parameters through smart contracts embedded in the genesis block, and specifies the governance seats and proportions of governance participants on each chain. Any participant can initiate a proposal. The type of proposal includes the addition and deletion of management or governance seats, modification of common network parameters, etc., the participants with governance seats vote on the proposal to decide whether the proposal is passed, and execute the voted proposal through the smart contract.

### 4.1.2 Transparent On-chain Governance

The AScoin governance mechanism is mandatory and automatic, and can automatically upgrade and continuously update through a real-time and effective decision-making and execution mechanism. At the same time, the process of on-chain governance is open and transparent, and the process is easy to audit and backtrack, which is conducive to ensuring the fairness of the entire governance process, while improving the efficiency of decision-making, without worrying about the side effects of hard and soft forks on the network and the community.

## 4.2 AScoin DAO Planning

### 4.2.1 AScoin Ecosystem Foundation

The AScoin Foundation (hereinafter referred to as the "Foundation"), a non-profit organisation to be established in 2022. By formulating a sound governance mechanism, the foundation helps manage general affairs and privileged matters of open source community projects, devotes itself to the development and construction of AScoin and the promotion of governance transparency, safety and harmonious development of the open source ecological society. The design goals of the foundation's governance structure mainly consider the sustainability of open source community projects, the effectiveness of management and the security of raised funds.

### 4.2.2 Foundation Governance Structure

The Foundation governance structure includes operational procedures and rules for daily work and special situations.

The foundation has three Co-Founders, who hold the positions of CEO, CTO, and chief developer respectively. The three Co-Founders are respectively responsible for the foundation's overall strategic planning, technical framework design and technical management, the foundation's security audit, code management, leadership development of key codes, overall progress supervision, etc., and jointly decide on the important tasks and direction of development of the foundation. Besides the Co-Founders, the foundation has COO, CMO, technical director, and other positions to ensure the normal operation of the foundation. In addition, the foundation also has design, human resources, PR, BD, management and other departments. The specific functions are as follows:

The COO is responsible for the construction and standardisation of the foundation's management system and workflow; following up on the foundation's various plans, conducting follow-up supervision, inter-departmental coordination, summarization and evaluation; and conducting industry and market research.

The CTO and technical director lead the AScoin technical team, participate in the formulation and implementation of R&D plans; conduct technical research in related fields; manage the developer community. CTO and Technical Director

The CMO formulates the foundation’s domestic and foreign PR work plans; is responsible for the foundation’s activities, conferences, community management, media relations maintenance, information release and other related marketing development and publicity work; responsible for crisis public relations, third-party public relations company assessment and other work.

## 4.3 DAO Community Welfare

The rise of decentralised autonomous organisations has gradually returned the encrypted economy to the essence of blockchain, returning governance rights to the community, and promoting a new revolution in community autonomy for blockchain projects, and major international institutions have started to deploy the DAO economy. Community autonomy will lead the future of the digital economy. By taking this opportunity, the AScoin DAO community will be promoted to the global market for its uniqueness, and will continue to attract the attention of the crypto world.

As a community that deploys blockchain Web3.0 and aspires to be decentralised and autonomous, AScoin leads the continuous innovation and development of the blockchain digital asset industry. The AScoin global community is managed by DAO, and the management and operation rules are encoded on-chain in the form of smart contracts. All

users can vote to determine the international operation mode of AScoin, and complete it through system incentives, providing a high-quality DeFi wallet.

For users who hold SURE tokens, the projects listed on the AScoin platform will be airdropped according to the holding ratio, and the rewards will be obtained in proportion. If the users are on the whitelist, they can also participate in the early stages of top projects. In order to give back to early users, AScoin DAO will continue to carry out airdrops to active communities, promoters and builders respectively. As an early token holder, AScoin DAO will have an infinite space of imagination in the future.

AScoin DAO insists on focusing on users, and it will build a perfect circulation system through users to maximise the spirit of community autonomy. It is believed that in the near future, AScoin DAO will lead the DAO economy of the digital asset ecology and continue to create wealth myths.

# Chapter 5 Roadmap

**Q4 2020**

- [ ] Project Initiation
- [ ] Core Team Build
- [ ] DeFi Wallet Research

**Q1 2021**

- [ ] Product Utility Envisage & Design
- [ ] Whitepaper V0.9
- [ ] Product V1.0 Development

**Q2 2021**

- [ ] Tokenomics Research
- [ ] Connect to Binance Real-time Data
- [ ] Product V1.0 Alpha

**Q3 2021**

- [ ] Product V1 Beta
- [ ] Support Multi-chain asset transaction
- [ ] Community Incentive

**Q4 2021**

- [ ] Product is available on IOS & Android system
- [ ] Community Establishment & Marketing
- [ ] Whitepaper V0.9
- [ ] Tokenomics v1.0

**Q1 2022**

- [ ] Branding & Renaming
- [ ] Product V2.0 Audit
- [ ] Product V2.0 is Available on IOS & Android
- [ ] Product V2.0 Launch

**Q2 2022**

- [ ] E2E Aspace Alpha
- [ ] NFT Asset Display & Trading

- [ ] AScoin Web Extensions Available

**Q3 2022**

- [ ] E2E Aspace Beta
- [ ] AScoin Original NFT Minting Online

**Q4 2022**

- [ ] All-round connection to Metaverse
- [ ] Product Terminals Simplification

**Q1-Q2 2023**

- [ ] DAO Governance Model Release&Implement
- [ ] Cross-chain Transaction & Multi-chain Integration
- [ ] Link stablecoins, lending, interest-bearing accounts

**Q3-Q4 2023**

- [ ] Enrich the Cross-chain Assets & Brand IP
- [ ] AScoin Labs Incubate Liquidity Supply Protocols and Derivatives

**Q12024**

- [ ] Whitepaer v1.0
- [ ] Tokenomics v1.1

**Q2 2024**

- [ ] Release CEX Aggregator v1
- [ ] vSURE

**Q4 2024**

- [ ] AScoin DAO is operational

# Terms

**DeFi**

Short for Decentralised Finance. Specifically refers to open, transparent and financial agreements and products that are implemented on smart contracts on a blockchain.

**DEX**

Short for Decentralised Exchange, which is part of the DeFi category. A decentralised exchange (better known as a DEX) is a peer-to-peer marketplace where transactions occur directly between crypto traders.DEXs don’t allow for exchanges between fiat and crypto. Instead, they exclusively trade cryptocurrency tokens for other cryptocurrency tokens.

**Smart Contract**

Smart contracts are programs stored on a blockchain that run when predetermined conditions are met. They typically are used to automate the execution of an agreement so that all participants can be immediately certain of the outcome, without any intermediary's involvement or time loss.

**Self-custody**

Self-custody equals non-custody, which signifies that only the users have the possession of his digital money or other digital assets because he controls the private key. The only owner has the responsibility to safeguard access to his private key because it is not stored anywhere else.

**Aspace**

Aspace is a unique embedded function of AScoin, the Web3.0 wallet aggregator. Aspace uses E2EE tech to guard the privacy and security of the data transmission, featuring more stability, reliability and security compared with P2PE.

**Transfer Encryption Window**

In the response service section, AScoin has designed a response window and a transfer encryption window between users in an encrypted environment to support one-to-one private chat and group chat answering services, especially when two people initiate a transfer request, the encryption linkage mechanism of the transfer encryption window will be triggered before the transfer, so these two will confirm for each other. Furthermore, the data can be checked on the chain after the transfer.

**Hash ID**

When the user downloads and operates the AScoin digital wallet, each user receives the corresponding hash ID, that is, a unique hash identification is automatically generated when the user uses it for the first time. AScoin will never interfere with the hash ID, and the user holds it by himself/herself and can be exchanged for use.

**APoS**

APoS is the abbreviation of AScoind Proof of Stake as the upgraded version of Delegated Proof of Stake (DPoS) to improve the democracy, which is an algorithm employed by cryptocurrency protocols to reach consensus to confirm network data and ensure security through a process of  voting and delegation mechanism of collateral staking to makes the process more democratic.

**DAOP**

DAOP is the abbreviation of Decentralized Autonomous Organization Protocol. The full name is Decentralized Autonomous Organization Protocol. It focuses the autonomy of decentralized communities on the level of distributed autonomous protocols of decentralized communities, and forms an efficient governance mechanism on the chain to ensure AScoin Steady operation of the entire global community ecosystem and self-determination of rights and interests.

**E2E**

E2E is the crypto technology adopted by AScoin to ensure the private transmission of data. E2EE uses Websocket technology to enhance transmission stability. E2E technically determines that a third party cannot view the encrypted data under any circumstances.

**P2P**

Peer-to-peer refers to the direct exchange of some asset, such as a digital currency, between individual parties without the involvement of a central authority. A strictly peer-to-peer exchange of currency was the primary goal driving the creation of Bitcoin, the most widely used cryptocurrency.

**DID**

DID is the abbreviation of Decentralised Identification. Each user can create a decentralised digital identity (DID) on the platform, which is based on blockchain technology and fully protects user privacy through encryption algorithms.

**KYC**

KYC is the abbreviation of Know Your Customer. This process addresses the anonymity concerns associated with cryptocurrency transactions by the service providers but at the same time raises the concerns of privacy exposure.

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