ADC Pool Pass

Based on Community Consensus Self-Government Mine Pool Pass

Summary

The greatest point of block chain is that it solves the problem of mutual trust between multiple nodes in a decentralized way, which we generally call consensus mechanism. Equity-based consensus mechanism has obvious advantages over workload-based intelligent contract. The commercialization of intelligent contract also has more stringent requirements for intelligent contract platform, such as backward compatibility, cross-organization information flow interaction with light wallet of simple payment verification protocol. The existing intelligent contract platform, Ethernet Square, uses a costly consensus mechanism based on workload proof, and needs to download full-chain data, in addition to the possibility of multiple forks in the future. These factors directly limit the wide application of Ethernet Square Intelligent contract platform. This white paper proposes an intelligent contract platform for intelligent ADC mine pool certification, and provides an intelligent contract template library that is convenient for industry deployment and conforms to industry best practices, which solves the problem that intelligent contracts can not be commercially available on a large scale. At the same time, improve the applicability of social technology applications.

ADC mining: using contribution value as computational power proof, translation as contribution proof or participation proof refers to your contribution and participation in ADC.

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Background

The block chain based on energy mining machine and the account-based block chain represented by Bitcoin open the door to a new world. The success of Bitcoin and Ethernet Square proves the value of block chain technology and its great potential in the future. In this process, we also see some shortcomings of current block chain technology.

Cryptography, consensus mechanism and distributed application in blockchain technology contain tools and methods to realize trusted information. Through technical means to help people reduce the cost of trust, to ensure information security. With the help of the decentralization feature, the block chain makes the information processing programmed, and the trusted processing business can be completed without entrusting the intermediary, and the whole business process can be audited by any individual. The information can be transmitted in any interpretation subject without adding additional cost, so it can greatly reduce the cost of credit maintenance and significantly improve the efficiency of social operation.

At present, the world of block chain has formed the pattern of multi-chain coexistence, but it is faced with a common problem: the value between chains can not circulate freely, and the value solitary chain has been formed objectively, which greatly restricts the ecological development of block chain industry. The security technology based on hash algorithm and elliptic curve cipher provides security protection for the current block chain network. After a year of progress, our development team has made a breakthrough. This document is an English translation version of the white paper of ADC mine pool. With the deepening of this white hair, we will continue to upgrade this document to keep pace with the technical progress.

Ⅰ、 Contract for Consensus Mechanism

ⅰ． PoW+DPoS Consensus mechanisms

The discussion on whether consensus mechanism is superior or inferior has been in progress. The most commonly discussed consensus mechanisms are workload proof mechanism PoW 、 rights consensus mechanism DPOS 、 Byzantine fault-tolerant mechanism of dynamic rights consensus mechanism. The purpose of consensus mechanism is to use distributed algorithm to achieve data consistency. As the theorem states, consensus can not be reached unless all nodes reach 100% agreement. In Bitcoin network, miners participate in transaction verification through workload proof mechanism hash collision. When the miner calculates a hash value that satisfies certain conditions, the miner can announce the birth of a new block to the whole network:
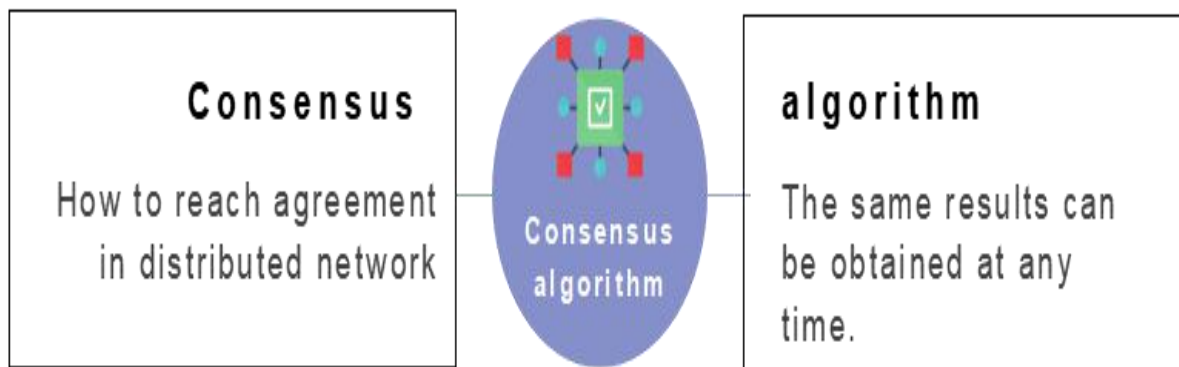
M number of miners, D is the difficulty of mining, For S256 hash operations, The output value ranges from [0, M]. Bitcoin's S-256 hash operation satisfies fast verification (facilitating each node in the network to verify the results), adjustable difficulty values (which can be adjusted according to the power of the whole network), and relative fairness (that is, The probability of each miner solving hash calculation is proportional to its computational force). Different random values correspond to different block header information with a length of 80 bytes. According to the change of computing power, Mining difficulty will be dynamically adjusted. When more than one miner solves the same hash problem at the same time, There will be forks. At this point, the whole network of block chain needs to decide which chain is the main chain. If there's a fork in the bitcoin system, Block chains with more computing power will be selected as valid chains. Block chain platforms based on equity consensus mechanism are mostly evolved PeerCoin10 spot coins, And dot coin is based on early bitcoin core code development. The workload proof consensus mechanism has a variety of algorithms, For example, ADC use of "strong coupling, double focus" and so on. The new algorithm was developed mainly to prevent a single entity from launching a cumulative power attack, And ensure that special application integrated circuit ADCIC can not be implemented on a large scale. ADC mine pool certificate uses the equity consensus mechanism in the latest bitcoin source code technology.
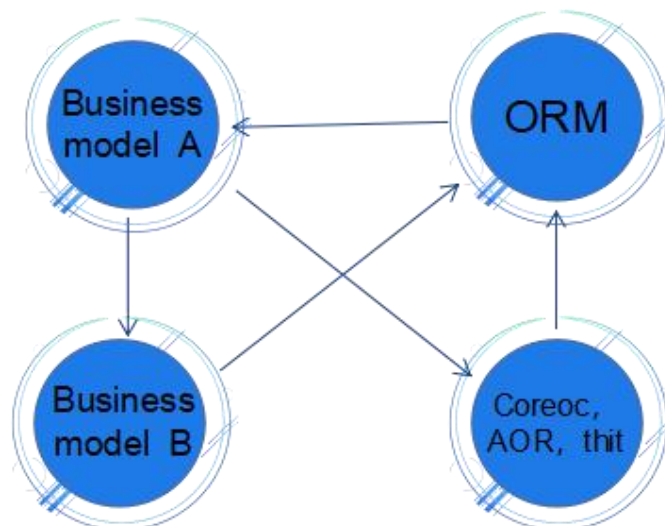
During traditional DPOS transactions, the generation of new blocks must satisfy the following conditions: attackers can use the ability to accumulate a large amount of currency age and launch a double flower attack. Another problem caused by currency age is that nodes are intermittently online after receiving rewards, not continuously online. As a result, in subsequent versions of the DPOS, the currency age was removed to encourage more nodes to agree online at the same time. Reward long-time node users online and cancel incentives for holders of offline wallets.

ⅱ. Smart contracts and block chain computing

Because ADC mine pool card focuses on intelligent contract and block chain calculation, transaction processing needs to spend more time interacting and executing with intelligent contract, so it needs more dynamic cost mechanism. Among them, there are several security risks affecting the PoW+DPOS. A big downside is that attackers can execute malicious programs by paying expensive fees, but because these costs will be attributed to the block producer, the cost to the attacker will eventually become small. Encrypted currencies based on existing DPOS systems are not affected by such attacks because they do not support Turing's complete intelligent contracts.
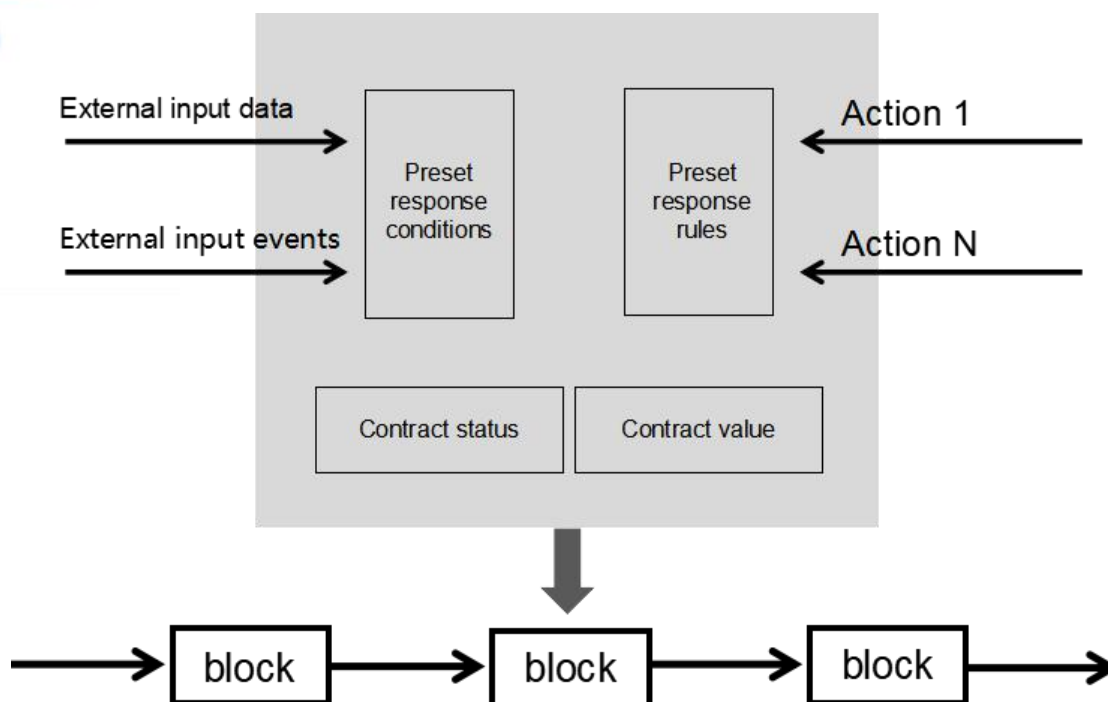
PoW+DPOS implement a ADC mechanism to standardize the computational uses and capabilities allowed on the block chain, which is used to partially solve the useless problems caused by spam trading attacks. Adopt a consistent consensus mechanism, but change the block reward and transaction fee payment system. Compared with block producers receiving block rewards and transaction costs immediately, the new approach is that rewards and transaction costs are shared among multiple diggers in the network.

II、ADC Technical Specification for Tong Certification of Mine Pool

ⅰ. Overview of the technical architecture

Our intention is to ADC that the mine pool card network will operate by using a dual network architecture, in which the sender of the token operates on a public network (ADC mine pool card public network). Participants who provide financial settlement to legal tender operate on a private network. The KYC/KYT/AML data supporting the transaction will be captured in the encrypted container generated by the interaction between the public network of ADC mine pool and the intelligent contract of the ADC mine pool network, and the activities of the private network participants to realize the transaction settlement are supported. The data will be stored and made available to financial institutions and regulators of the beneficiary of the legal balance. At full development, the following technical specifications are expected to become part of the ADC pool certification network.

Decentralized provincial platform

publisher   authentication

user

Release statement

statement

Show statement to
check claim ownership

Completeness and validity of
registration statement

Verification of issuing authority
and completeness of declaration

publisher
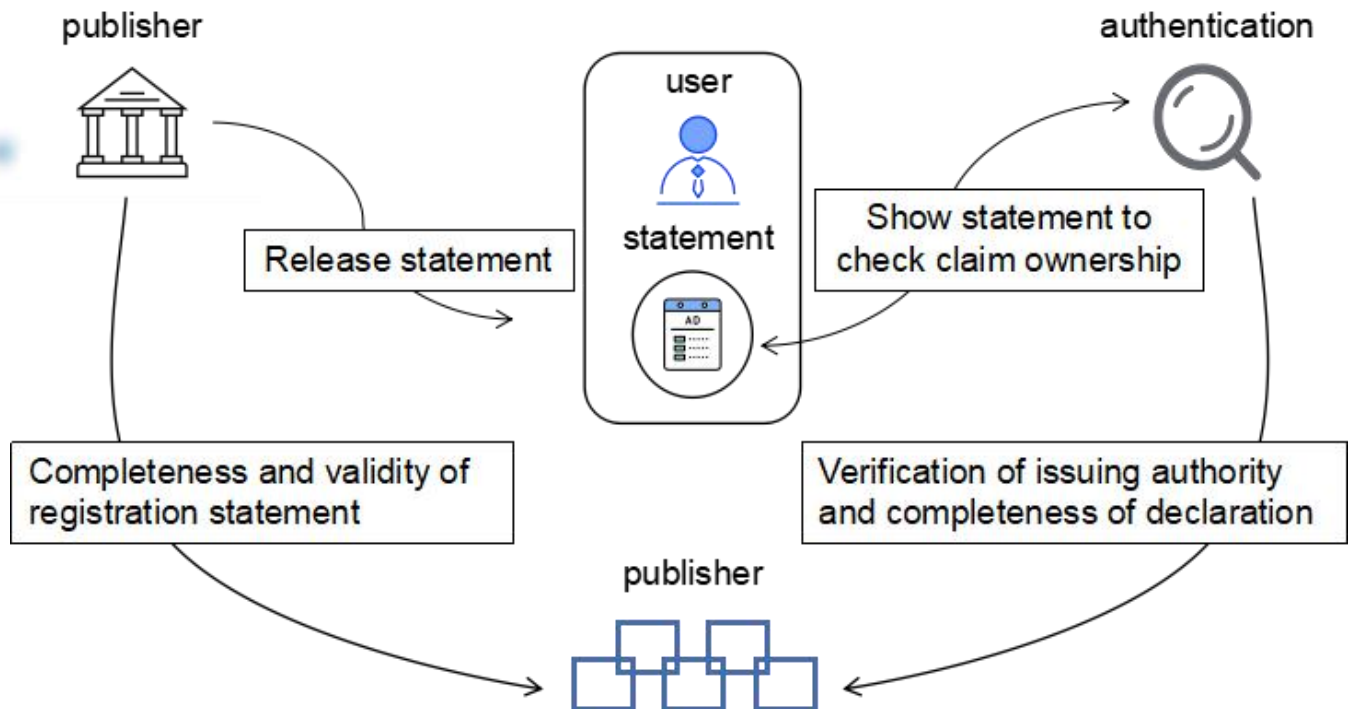
ii. ADC Identity on the platform

ADC intention of mining pool certification is to rely on the vigilance of good employment practice and information security practice in financial institutions and intermediary institutions of data communication. Enterprise and HR related activities are largely impractical to want teams to track all employment events. Therefore, the ADC mine pool card network will require the identity of relevant compliance personnel of financial institutions, intermediaries and interest agencies to register in the ADC mine pool card network to enable and disable access to KYC/AML data distributed containers. Financial intermediary related employment behavior will be updated in ADC mine pool certification network.

Financial institution managers are expected to log into the ADC pool certification network to manage the access and authority of relevant staff to contract functions and container data. All activities of the identified user can be centrally tracked and managed, and the history of a single transaction container can also be viewed.

iii. Block chain technology applications

The consensus of distributed books is the function of validators (sometimes called miners) to determine the accurate representation of data according to the appropriate circumstances to reflect the correct ledger balance in transactions submitted to the network. Given the possibility of network and system disruption, it is easy to foresee situations that may cause some parties to

disconnect and miss important data in unexpected absences.

Similarly, in a network of shared views, there is a need to establish a mature mechanism for determining the outcome of facts. In networks like Bitcoin and Ethernet Square, the current mechanism is called "proof of work ". The work certificate encourages the verifier to compete according to computing power and electricity to verify the transactions submitted to the network. having more computing power helps the verifier solve more difficult encryption problems that are subsequently submitted to the network in order to preempt the inclusion of capture transactions as blocks into the network (by the way, these transaction blocks are validated against predictions from other blocks previously submitted and the chain is thus generated —— hence the term "blockchain "). As the block chain grows, the difficulty of the new block increases —— Verifiers compete at great cost to verify the value of incentives and block rewards, and they want to capture and redistribute these rewards in their network. While providing the concept of Byzantine fault tolerance, this process is expensive and slow for private networks. So that's why Bitcoin and Ethernet deal with less than 20 transactions persecond.
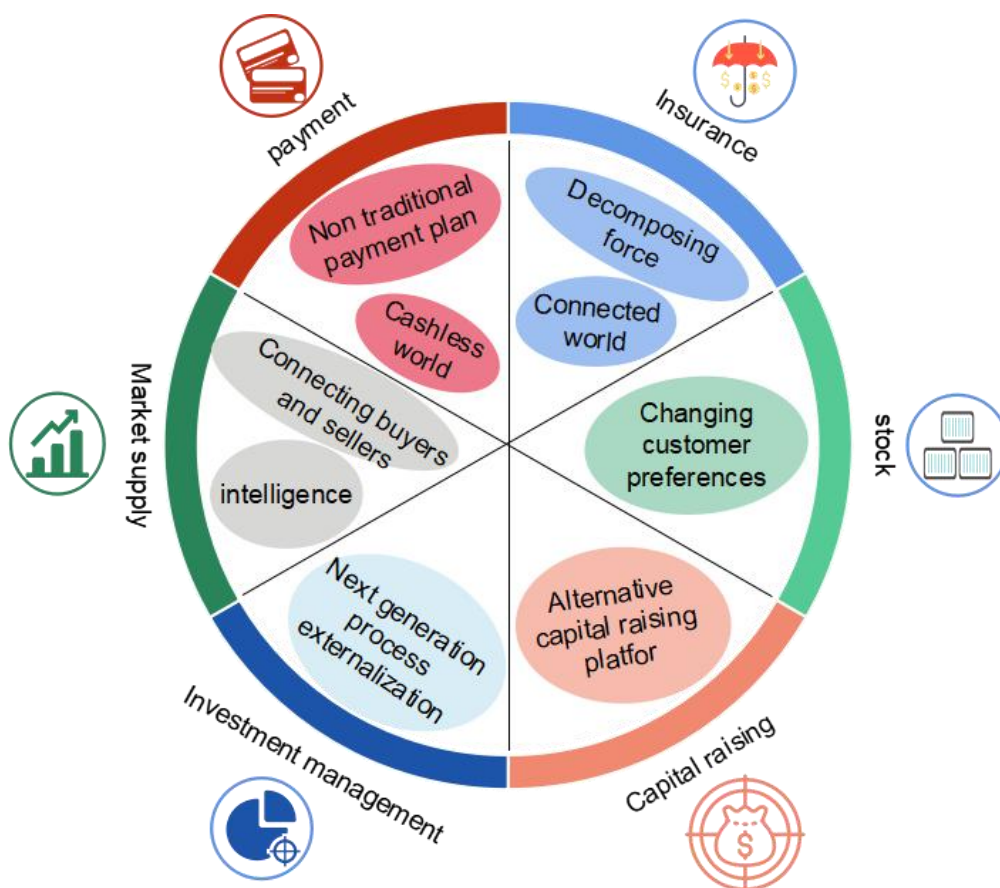
Moreover, the "equity proof" of the consensus mechanism implemented and proposed by the Tendermint is an improvement to the C ADC per consensus of Ethernet Square, which shifts the cost of obtaining the right to add ledger transaction blocks from calculation and power investment to investment in the encrypted currency itself. In the proof of equity, the party with more encrypted currency ratio has the possibility of adding more proportion to the next transaction block. Because each validator is "betting" on the network, the network may punish them for withdrawing their rights and interests in the network because of their malicious behavior, which will lead to the generation of false trading blocks. This requires subsequent

correction of the rest of the network. However, there are two main reasons for the challenge of this approach:) any party or collusion with 51% network value is more likely to gain consensus) through investment in computing power, the malicious majority can not be overturned because work has proved to be permissible. In addition, just as proof of work requires validation incentives to enable verifiers to capture transactions in the form of block incentives, proof of interest also uses incentives (e.g ." mining costs ") to prevent the submission of transactions that create work for networks without corresponding financial value in financial payment networks, especially private and licensed networks, which are more easily organized and managed through benefit-sharing than public anonymous networks. Therefore, the problem of adjusting incentives to prevent suspicious behavior can lead to concerns about actual throughput and flexibility to facilitate the coordination function of accurate and compliant settlement. Networks, including Stellar and Ripple, use their own validators, or the co-participation of validators to block their results on the network, so it is unlikely that external and malicious participants will appear. Here, their consensus is to focus on the flexibility and availability of distributed books through their networks. The result is higher throughput.

As the team envisions, the private network of ADC pools will consist of verification nodes sponsored by entities other than themselves.ADC private network will be directly verified by independent but orderly financial institutions and intermediaries. spam information from licensed network participants is almost impossible in this environment, even first harmful to their common goal of participating in ADC mine pool pass network. The possibility of network garbage is greatly reduced and the incentive mechanism is adjusted, which eliminates the need of block rewards usually used to motivate public block chain networks. As for consensus, the use of planned Byzantine fault-tolerant algorithms (such as Istanbul BFT) is most meaningful.

In this consensus algorithm, Each participant creates blocks in a predetermined polling schedule, and submit its results to the rest of the network, There must be a 2/3 majority vote to approve the leader's block calculation. This method can prove the flexibility of the network while about a third of the verifiers in the network may prove malicious. A specific benchmark for the Istanbul BFT shows that it can handle about 1,000 transactions per second, And that reflects FedWire, today The sum of cross-sectoral trading networks that occur between SWIFT and ACH. For its purposes, We expect, Quorum, was initially used ADC the private network JP approved etheric workshop implemented by jpmorgan chase using the BFT consensus algorithm in karburg. Ethernet Square's implementation has many potential benefits for ADC mining pool certification network:

1. it offers the benefits of validating and improving the ethernet blockchain in the context of global financial institutions;

2. it provides interoperability with smart contract development and investment, can be prototype and can be ported to any other ethernet virtual machine (EVM) support environment (including Ethermint,Qtum, or even a public ethernet block chain);

3. because it is a well-known alternative block chain in the financial sector, its adoption and use provide a baseline for community and support, and are most likely supported by the same financial and intermediary institutions that the team seeks to support its network functions. Quorum also supports alternative consensus algorithms based on primary verifier authorization. if higher transaction throughput is required, the stability of network participants' intentions can reduce block validation overhead.

iv. **ADC Pool pass data container**

ADC the contents of the Tongqi Data Container are intended to cover:

• Container metadata
• Transaction metadata
• Details of transactions submitted
• Sender identity information (if applicable)
• supporting documents and attachments.
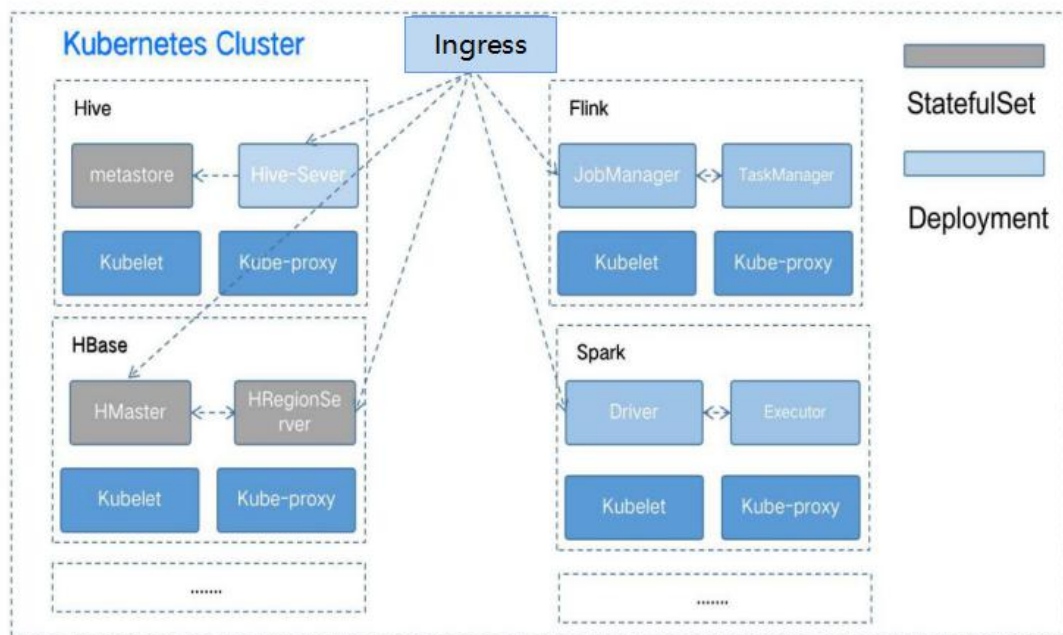
using this format, each component of the supported data is independently and persistently encrypted to enable secure access during exchange using standard AES-256 symmetric encryption and 4096-bit RSA asymmetric encryption methods as well as SHA message abstracts. The digital signature based on RSA asymmetric key is expected to be vulnerable to the influence of Grover and Schor3 algorithms on the application of quantum computing to determine the input of black box function and the decomposition of large numbers. These algorithms will be upgraded to reflect the availability of quantum resistance algorithms. Encrypted containers are intended to provide several key features for the ADC pool certification network:

● Provide continuous control and protection of all communication information;
● To enable the ADC pool certification network to add the parties to the container or remove them from the container after the first reception; and
● The sender is guaranteed that the details of the transaction with the receiver are confidential.

By using ADC mine pool certification data container, personal behavior against the network can be tracked and verified.The ADC pool certificate data container intends to store structured and unstructured content collected from the ADC pool certificate contract submission process. Where applicable, the ADC pool will standardize the data collection in the ADC pool data container to meet the ISO20022 standards of data sets, codes and formats.

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Ⅴ. Core technology features

Decentralization network: a decentralized network consists of points that run independently of each other. Transmission information is dispersed in the server network rather than driven by a major source.

Book: the network is similar to the traditional account book, recording all balances and transaction information for each separate account on the network. A complete global ledger is hosted on each server running the software, and an entity can run a network.

Consensus: r servers communicate and synchronize with each other to ensure that transactions are effective and can be successfully applied to global books. The whole process of reaching consensus on the network occurs about every 2-5 seconds.

Anchors, trust and credit: Anchors are just entities that people trust, used to hold their deposits and send credit points to the network based on these deposits. They act as a bridge between different currencies and networks. All currency transactions on the network (except built-in digital currencies) occur in the form of credit points issued by anchor points.

Distributed exchange: books can store quotations for people to buy or sell money. Quotation is a commitment to publicly exchange another credit type at the price of a reservation. Books become quotations for the global market. Let people trade money in foreign exchange, and can exchange money seamlessly.

Multi-currency trading: you can send all the currencies you hold to anyone else in different currency types through a built-in distributed exchange, and people can receive any currency through the anchors they add.

Ⅲ、 Evolution of ADC Mine Pool Pass

In our design blueprint, ADC mine pool certification is a new underlying technology platform linking various block chain technologies, allowing trust-based values to flow freely in different block chain systems. The revolutionary characteristics of cross-chain, anti-quantum, PoW+DPOS mixed consensus and intelligent contract are clearly defined as the direction of technological breakthrough in the technical white paper of ADC mine pool. During the development and operation of ADC mine pool certificate, the community grows rapidly and the technical solution is maturing. in order to achieve a faster technological breakthrough while maintaining the stability of the community, we plan to use the mechanism of "strong coupling and double focusing" in the ADC mine pool pass certificate after upgrading, and realize the development and upgrading of the ADC mine pool pass certificate in the framework of the main chain.
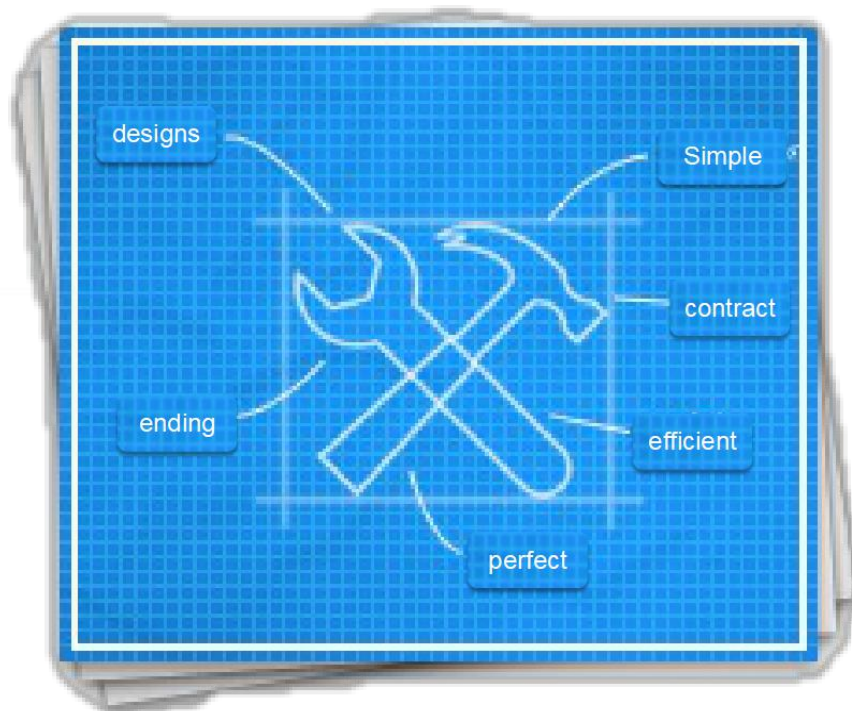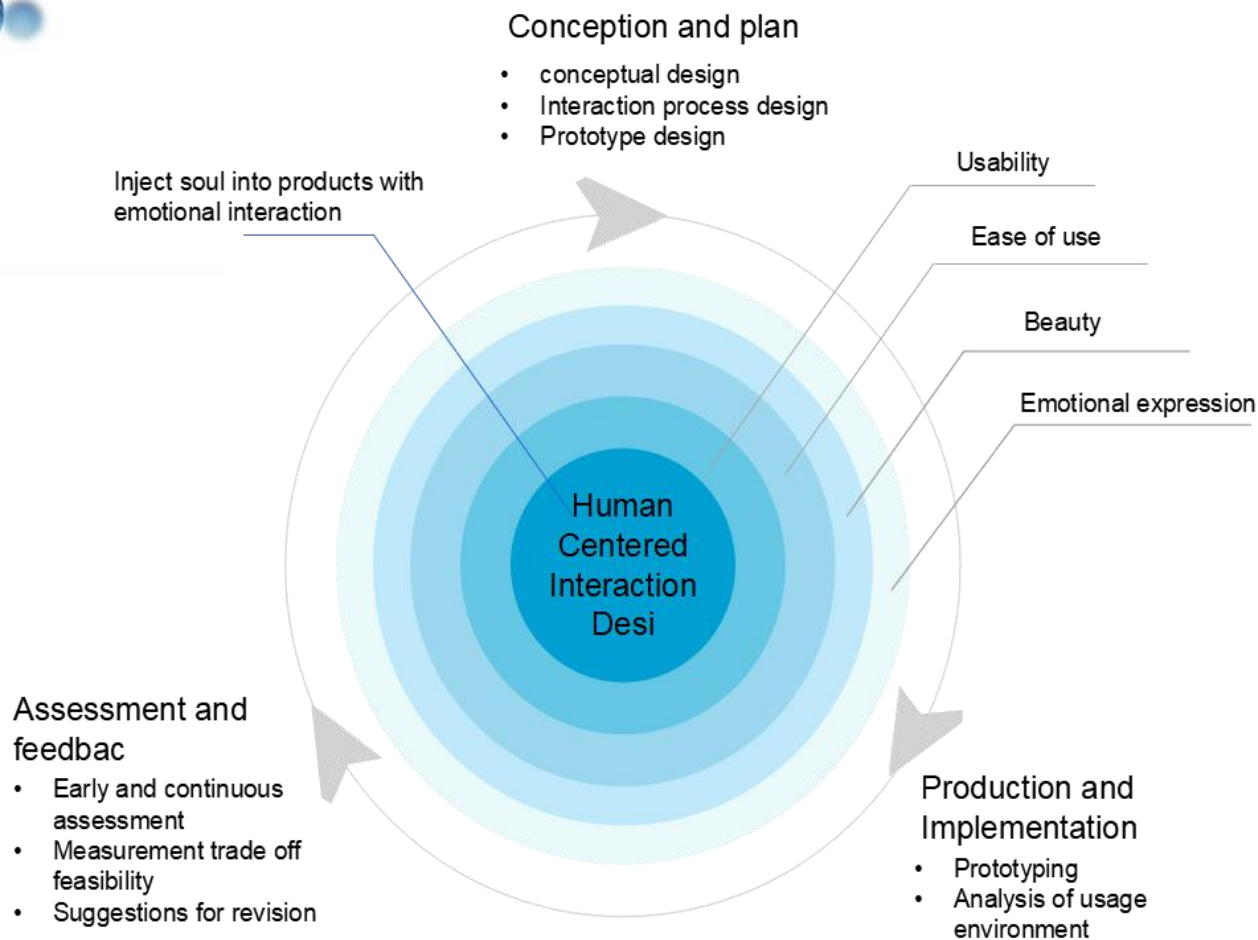
ⅰ. **Synergistic chain ecology**

Two core hubs in ecology (public chain + chain exchange) can deeply share technical characteristics and ecological resources, provide each other with value tokens needed to maintain system stability, and provide more value application scenarios for each other. To provide ADC pool certification ecology with block chain value interconnection scheme, to ADC mine pool certification faster and more resources, to jointly strengthen the mine pool certification ecology. According to the plan, the original chain upgrade to 2.0, will fully achieve quantum resistance characteristics, support the mixed consensus of the PoW+DPOS, focus on the deep research and development of the underlying technology of block chain; Based on this, the information and value free circulation between block chain and non-block chain distributed account book is realized, and the multi-asset distributed commercial application ecology is constructed. A strong coupling and double focusing mechanism is formed together, and the design vision of ADC mine pool certification is basically realized.

ⅱ. **ADC Design Concept of Mine Pool**

ADC the concept of ecological design is to add an engine layer to the concept of layered design. Enhance the performance of the system can handle high concurrency, carry high throughput, and ensure the efficient operation of the mutual response time of the digital economy ecosystem VIII links to all. ADC the goal of mining pool certification ecology is to link all commercial applications.

Conception and plan
- conceptual design
- Interaction process design
- Prototype design

Inject soul into products with emotional interaction

Usability

Ease of use

Beauty

Emotional expression

Human Centered Interaction Desi

Assessment and feedbac
- Early and continuous assessment
- Measurement trade off feasibility
- Suggestions for revision

Production and Implementation
- Prototyping
- Analysis of usage environment

1. Performance design

A multi-engine module design is added to the framework of ADC mine pool certification ecology. Each new application corresponds to an engine and a node is added accordingly. The engine supports both single thread processing and multithread processing. When an application has high frequency operation and data processing, the engine layer can use idle engines (multiple engines) to process the application at the same time, so as to ensure the efficient operation of the application and the processing of high concurrency and high throughput.

2. Compatibility Design

ADC mining pool certification ecology is designed to support the compatibility of bitcoin system and ethernet system, so the design structure of UTXO+Account model is adopted. The transaction model using UTXO (UnspentTransactionOutput) transaction is referred to as UTXO), transaction data structure, and virtual machine compatible EVM (Ethereum Virtual Machin) of mining pool certification ecology are used.
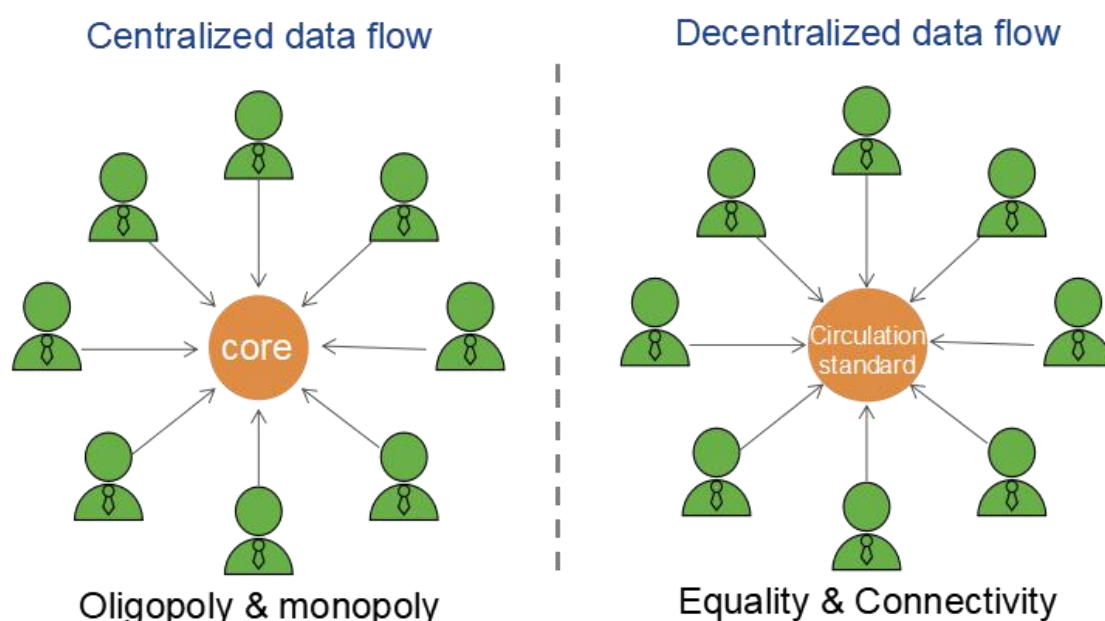
3. Hierarchical and modular design

ADC sub-structure is divided into eight layers: network layer, engine layer, application layer, contract layer, service layer, transaction layer, block layer and data layer. To allow more

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developers to participate, ADC mine pool certification ecology in the future using modular graphic design and standard API, developers can easily develop their own private chain and applications.

4. Safety Reliability Design

ADC DPOS protocol is adopted in the consensus mechanism. In the service, DPOS is widely used and tested, so it is tested in reliability and stability. At the same time ADC the mine pool certificate ecological platform will go through strict process testing before going online. Such as system function testing, performance testing, process testing, version testing, black box testing and a series of test processes to ensure the quality of light wallet operation.

Centralized data flow   Decentralized data flow

core

Circulation standard

Oligopoly & monopoly   Equality & Connectivity

iii. Decentralized autonomy

Decentralized autonomous organization (ADC mine pool certificate) is the most ideal product of cryptography technology revolution. The origin of ADC mining pool certificate can be traced back to the decentralization of the organization described in 2007 and the "equivalent production "(peerproduction) described in Network Wealth (2006). However, these two concepts are connected with the cryptography currency related technology, and the concept of ADC mining pool certification autonomy is put forward.

To have a clear definition of ADC pool pass, we summarize the seven features necessary for ADC pool pass:

1. openness: the design of ADC mine pool certification system is open and transparent, open transparency is the cornerstone of the whole ADC mine pool certification system, the current software open source spirit has become a typical example of openness.

2. decentralization: no centralized individual and organization can control the whole ADC pool pass, this characteristic determines the self-similarity, and the decentralization characteristic

ensures the vitality of the ADC pool pass system.

3．autonomy: everyone can participate in the ADC pool certification system, the participants are subsidiaries or subunits of the ADC pool certification system, and promote the development of the ADC pool certification system from its own point of view. Spontaneous behavior of the participants ensured the operation of the ADC mine pool.

4．value: the ADC mine pool pass system must be of use value, such as the international payment network of bitcoin system, anonymous transactions, tax avoidance, value storage, non-freeze, non-supervision, which determines the profitability of bitcoin ADC mine pool pass system.

5．profitability: participants in the ADC pool pass will be rewarded for the development of the ADC pool pass system, and the profitability will be determined by the value of the ADC pool pass itself.

6．self-similarity: even if only part of the ADC pool pass card node, the ADC pool pass card system can still operate and develop normally, and the destruction of some unit nodes will not affect the development of the ADC pool pass card, which is guaranteed by decentralization.

7．democracy: the change of the core protocol of the ADC pool certification system needs the majority of units to vote. The decentralization and autonomy determine that the ADC pool certification must be a democratic voting system. The concept of ADC pool certification is extended and a more general concept of ADC pool certification (distributed autonomous organization) is put forward. Unregulated crowdfunding and service splitting are the constituent elements of ADC pool certification, as well as cryptographic technology management and trust-based automation. This enables the ADC pool certification to operate, as the Foundation says ," under the control of a set of business rules, human participation is not required ". However, if the autonomous organization in this ideal state is not strictly controlled in the system design stage, it will also have very serious consequences.

The use of funds is determined by immediate and dynamic voting by all holders of the ADC pool pass, for example, by developing infrastructure such as wallets, or conducting public relations activities such as public promotion, ADC the form of the pool pass provides a continuous dynamic and positive impetus for the development of the ADC pool pass community. At the same time, the code ADC the pool pass ASHADC the pool pass is subject to rigorous review and necessary manual intervention at an early stage (the foundation invites a third party to conduct a code safety audit), In order to ensure that the ADC mine pool card in the early use of funds in the process of no major mistakes.

Ⅳ、 ADC the solution of Tongqi of Mine Pool

ⅰ． ADC Mine Pool Certification Technical Framework Layer

1. Application layer:

Handle the interaction of different application scene life cycle, logic processing, and provide a variety of API interfaces to support more application scene landing.

2. Contract Level:

It provides intelligent contract function, realizes complex business logic calculation function, and gives application layer to realize.

3. Service layer:

A standard API interface is provided to facilitate developers to develop on the platform, interactive processing of transaction events and multi-engine processing. Different applications can be processed by different engines, and can also support multi-engine processing of an application. Supports single-threaded X

The digital economy ecosystem that links everything also supports multithread mode, which is greatly improved in performance, ensures the stability and efficiency of application, and improves performance by more than 10-100 times.

4. Network layer:

p2p point-to-point off-center data transmission to establish the trust of data transmission.

5. Data layer:

data storage, data distribution, data transmission, data caching, and data fragmentation. Based on the block chain layer, all nodes use their own database technology to write blocks. Different applications create different databases and database tables to ensure the speed and efficiency of data reading and writing. The perfect fusion of big data and block chain is realized.

6. Block layer:

Handle all operations related to block chain operation, such as consensus mechanism, mining, data access, etc., ensure data non-tampering and security, and record all application data information with block form.

ii. Node Consensus Mechanism and Smart Contract

once ADC EP combinations are selected, they will communicate with each other and form a small consensus group. The group will handle all call procedures for smart contracts. Furthermore, how they reach consensus can be specified by the EP. These ADC nodes form a sub-block chain and execute consensus based on predetermined or user-defined protocols. state of the smart contract is saved in each ADC. However, this is not stored in a complete block chain system. And in order to reach a complete consensus, the contract status needs to be written regularly or as required to the underlying DPOS node.
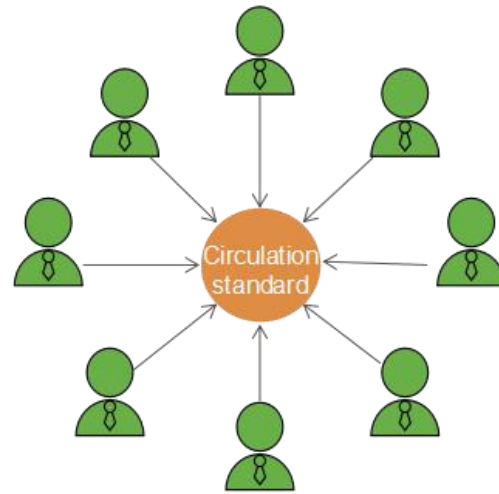
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Centralized data flow — Oligopoly & monopoly (core)
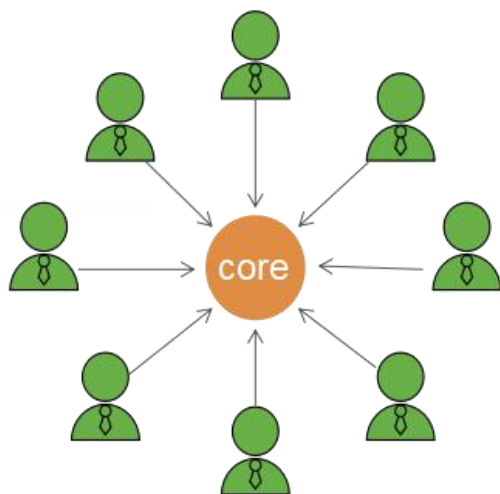
Decentralized data flow — Equality & Connectivity (Circulation standard)

When refreshed in consensus mode, the ADC node will accept data storage requests from the underlying DPOS node. The current state will be written to the block chain system and the corresponding hash will be generated. note that all DPOS nodes will perform the same operation. For those who do not participate in the refresh of smart contracts ADC, they will not do anything. ADC participating in the smart contract will obtain the submission status and verify its own status. If you can prove that the previously submitted state is incorrect, it will initiate a hash to update a data storage request with the correct state and reference the incorrect state. At the same time, each DPOS node also handles transactions related to contract status. An ADC node that issues an incorrect state will be disallowed.

ⅲ. Smart Contract for 4 Light Wallet

BIP32,BIP43,BIP44 concept will be introduced in the design of wallet ADC mine pool certificate wallet, which provides multi-address and multi-key support for multi-currency, multi-account and all-link digital economy ecosystem.

BIP44 provides a five-layer path proposal:
1. Determining path rules;
2. Currency;
3. Accounts;
4. Change;
5. Address index.

The user can control the asset wallet of all currencies and all accounts by holding only one main private key. BIP44 provides a good support for the change mechanism. As long as the user does not collect money many times at the same address, he can avoid multiple signatures of the same private key, thus avoiding the risk of exposure of the private key. Adhering to the basic concept of decentralization and distrust of block chain, the digital asset trading platform supports the seamless docking of digital assets between the digital economic ecosystem currency and the

ADC mining pool trading platform, forming an efficient light wallet agent center, shielding a large number of complicated technical details, greatly simplifying the reliable and safe payment of ordinary users.

Meanwhile, it develops the block chain network management switch of ADC mine pool pass card BCAPIGateway, carries on the asset packing, the protocol conversion, the contract conversion, the intelligent routing and so on function to the operation of the ADC mine pool pass card block chain.

ⅳ. ADC Mine Pool Pass (Dapp) Definition

The application of decentralization (Dapp) of ADC mine pool generally refers to the application of decentralization operation through different people of network nodes, which runs on distributed network, and the information of participants is protected (or anonymous) safely. From the point of view of ADC mine pool certificate, it is a transaction agreement, which is executed according to the conditions set on the block chain.

Dapp have different definitions for different items. ADC definition of Dapp is that the information of participants is protected (or anonymous) and decentralized through network nodes. ADC mining pool card intelligent contract / Dapp is a transaction agreement, according to the conditions set on the block chain to execute a contract or a set of contracts.
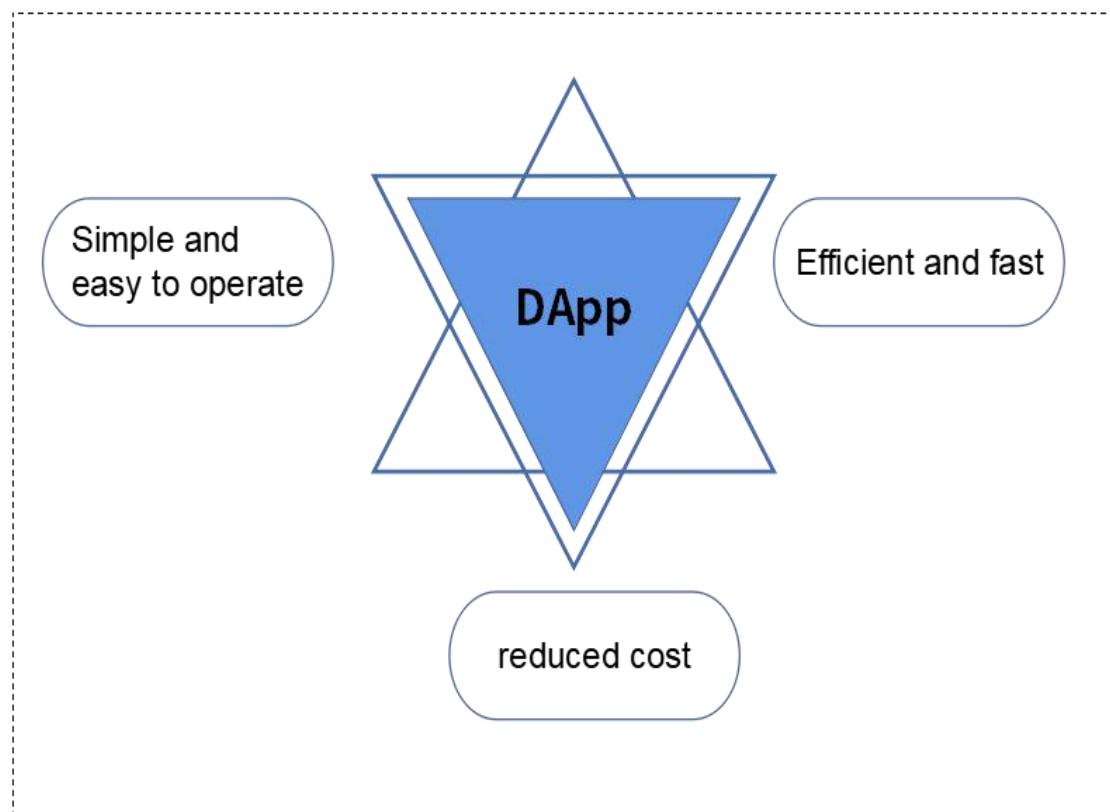
ADC more strict definition of Dapp. Dapp must have three characteristics in their view:

1. Applications must be open source, mostly run autonomously by tokens issued by Dapp rather than by an entity, and all data and records must be encrypted and stored on open and

decentralized block chains.

2．Applications must generate tokens through a standard algorithm or a set of standards, and some or all of them may be allocated at the beginning of the operation. These tokens must be used according to the needs of the application, and any user who provides contributions should be rewarded with the token payment of the application.

3．application can improve and adjust its own protocol based on market feedback, all changes must be agreed by its users. But overall, each block chain project will have some differences in the exact technical view of the decentralized application composition conditions.

Ⅴ、 A-DEFI Foundation Ecological incubation

A-DEFI incubation laboratory aims to provide a new environment of openness, symbiosis, innovation and development for blockchain entrepreneurs and promote the development of the whole blockchain industry. The incubator will serve the blockchain project team, providing financial support, technical support, consulting and training, resource docking, new currency listing and other services.

ⅰ． Financial support

A-DEFI will provide initial start-up funds for excellent start-up blockchain projects to help projects land and incubate, thereby enabling top blockchain and encrypted asset talent, businesses, and communities. At the same time, it will connect other capital in the industry, guide the market capital to form industrial plate, regional plate, industry plate, and incubate a new business model through investment service, project docking, transaction agent, intellectual property operation, financing guarantee, equity crowdfunding and other forms.
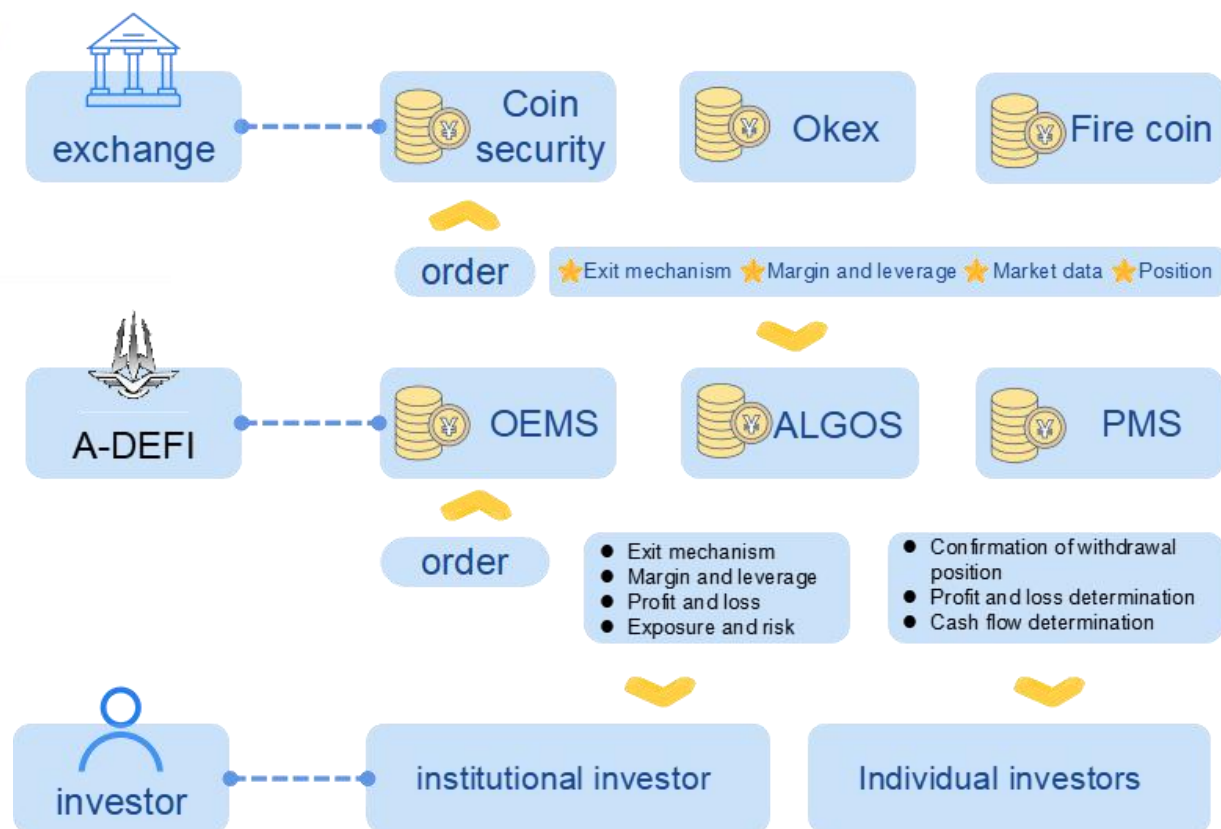
ⅱ．Technical support

A-DEFI will establish a technology docking platform, docking international excellent block chain bottom technology professional suppliers, for the initial project to provide related solutions.

ⅲ．Advisory and technical training

A-DEFI hatched block chain startups will receive consulting services in incubators, including technical framework review, product market analysis, certification economy building, DEFI consulting, listing consulting and general business agency services. The incubator will also establish a "block chain business school" personnel training mechanism, in addition to regular block chain lectures, will also hold a variety of public interest nature of seminars, training activities, gathering block chain experts, entrepreneurial geeks and block chain enthusiasts, to create block chain industry development talent highland, make up for the lack of block chain talent.

ⅳ．Resource docking

A-DEFI will also provide its own industry resources, partners, technical solutions and so on for blockchain projects.A-DEFI provide a team of experts covering different businesses as mentors and consultants for blockchain projects, providing them with a wealth of operations, corporate governance, and

Project management and other resources to help block chain projects to advance steadily, as soon as

possible to achieve business vision.

ⅴ. ADC Application of Pool Pass Certificate

ADC mine pool card is mainly used in the following scenarios:

1. Ecological application of mine ponds:

Using the PoW+DPOS mixed consensus, all users are supported to participate in the mining of ADC mine pool with low energy efficiency and low threshold, and the technology of double digging and multi-digging is also supported in the future, which will increase the additional income for all platform users.

2. Exchange Pass Application:

On the basis of A-DEFI exchanges, ADC will be used for handling fee points, node voting, voting on coins, trading fuel, etc.

3. Decentralization applications (DAPP):

The platform has been online alliance DAPP applications, based on the ADC public chain bottom technology, gradually online DAPP applications, so that developers more convenient and fast development and operation.

4. Financial derivatives applications:

By expanding the application of A-DEFI exchanges, Uto creates value for financial derivatives, serves the economy for providing derivatives, and creates open financial derivatives brands.

5. DEFI Liquid Mining Applications:

Platform provides DEFI native open source code, developers can directly apply for distribution. Transactions. Liquid mining,
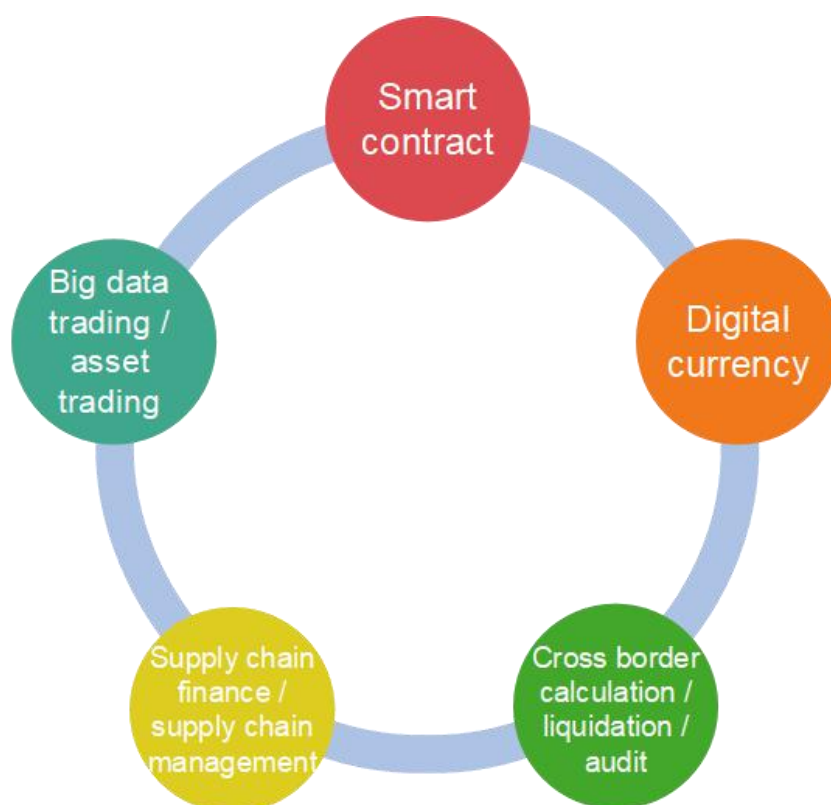
Ⅵ、Introduction of General Certificate of 1a-defi platform

ⅰ. A-DEFI Platform Certification Distribution Mechanism

ADC is the equity of the A-DEFI trading platform itself, the total amount of issuance is constant at 88000000, never additional issuance. Holders can enjoy mining, platform income rebate, supervision,for intelligent mining pool consensus intelligent mining.

ⅱ. A-DEFI Protection funds/ imprest funds

A-DEFI the initial establishment of the trading platform, the purpose of the development community and service community is to put the interests of investors in the first place. We will make the best efforts in the security protection of the underlying platform and the screening of listed projects. Strive to protect investor capital security while providing valuable block chain projects.

All fund-raising funds are used as investor protection funds in the distribution of platform card A-DEFI to deal with all kinds of emergencies affecting the vital interests of investors.

ⅲ. Destruction mechanisms

A-DEFI Exchange Repurchase Destruction Mechanism
We will directly destroy 60% of the net profit of the exchange platform for the quarter after
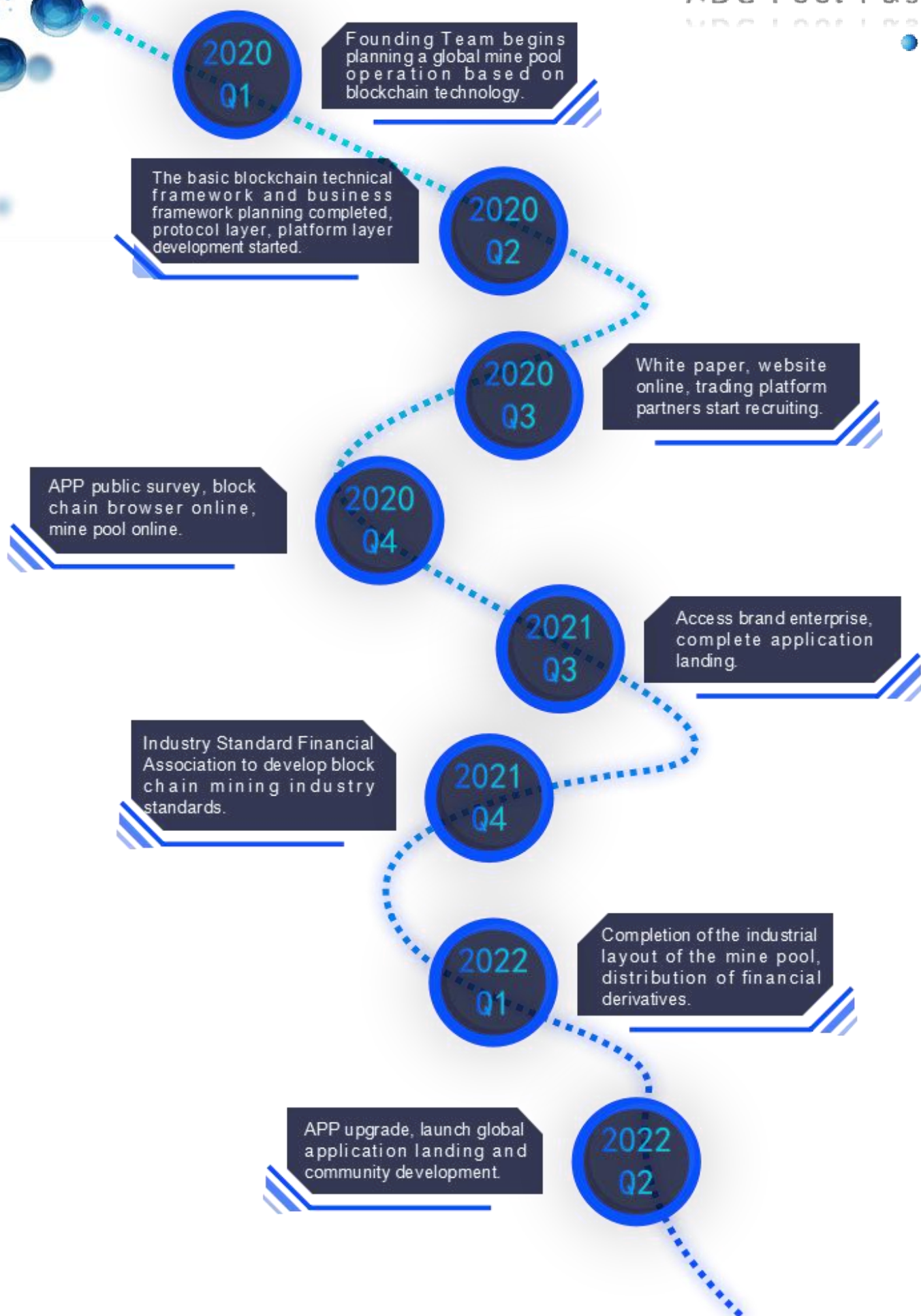
the launch of the A-DEFI exchange platform. The repurchase address records will be published as soon as possible, and users can query through the block chain browser. Ensure transparency until the total ADC is only 21000000.

[interpretation] the deflation model built by the exchange for the trading platform is a safeguard system to stimulate the currency value by reducing the secondary market flow, creating scarcity.

Ⅶ、 Road map

ⅰ. Team Ecological Planning

➢ 2020- Q 1. Founding Team begins planning a global mine pool operation based on blockchain technology.

➢ 2020- Q 2. the basic blockchain technical framework and business framework planning completed, protocol layer, platform layer development started.

➢ 2020- Q 3. white paper, website online, trading platform partners start recruiting.

➢ 2020- Q 4.APP public survey, block chain browser online, mine pool online.

➢ 2021- Q3. access brand enterprise, complete application landing.

➢ 2021- Q4. Industry Standard Financial Association to develop block chain mining industry standards.

➢ 2022- Q1. completion of the industrial layout of the mine pool, distribution of financial derivatives.

➢ 2022- Q2.APP upgrade, launch global application landing and community development.

2020 Q1 — Founding Team begins planning a global mine pool operation based on blockchain technology.

The basic blockchain technical framework and business framework planning completed, protocol layer, platform layer development started. — **2020 Q2**

2020 Q3 — White paper, website online, trading platform partners start recruiting.

APP public survey, block chain browser online, mine pool online. — **2020 Q4**

2021 Q3 — Access brand enterprise, complete application landing.

Industry Standard Financial Association to develop block chain mining industry standards. — **2021 Q4**

2022 Q1 — Completion of the industrial layout of the mine pool, distribution of financial derivatives.

APP upgrade, launch global application landing and community development. — **2022 Q2**

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ii. Technology development planning

➢ 2020Q 1 team formation, project start-up development.

➢ 2020Q 2 concept testing, presentation.

➢ 2020Q 3 development of private chain, business team establishment, layout of nodes, open

mining.

➢ 2020Q 4 development of application technology version 1.0, application testing online.

➢ 2021Q4 completion of the main network line, exchange 2.0 line.

➢ 2022Q1 completion of ecological matching development of ADC pool.

➢ 2022Q2 Initiate Public Chain Development Technology Version 3.0.
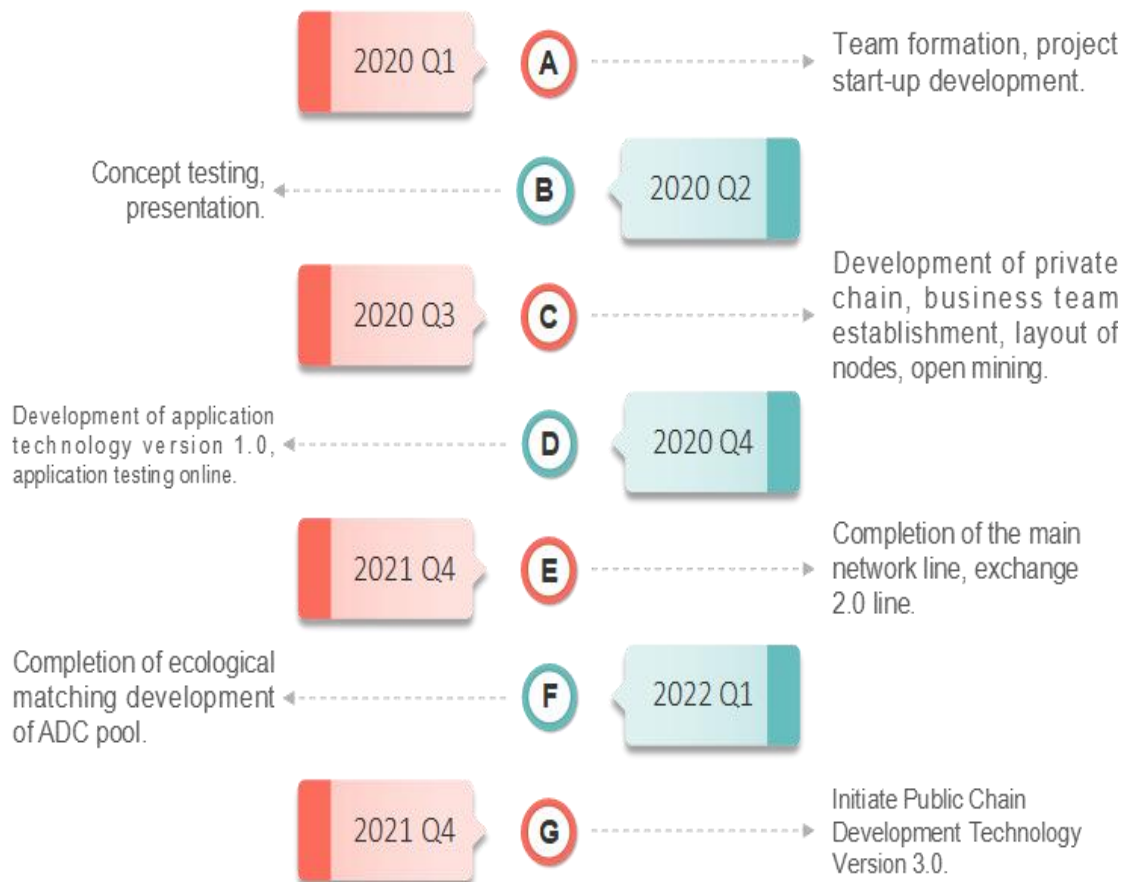
VIII、Team

Browne Kieng

Master of Finance, Brussels University
Prior CFO Evolved Belgian Data Corporation
Co-founder of ADC Mine Pool Pass

Specializing in company law, securities, funds, VC and encrypted money law, co-founded a VC foundation focused on block chain ADC mine pool certificate.

Tareq Nadim

Masters in Media, University of Lyon (Universite de Lyon)
Master of Economics (Ecole Polytechnique), Paris Polytechnic University
Co-founder of ADC Mine Pool

Once a amazon marketing department CBO, the sense of market economy is very sensitive, with a large number of the world's top media resources. In the brand promotion operation, the media domain has the very high popularity and the achievement.

Alex Virgile

Graduated from the computer department of National University of Singapore, then admitted to the Massachusetts Institute of Technology Master of computer Science, has served as a Airbnb architect, good at big data processing, Internet of things, virtual trading technology, and has more than 15 years of software development experience, proficient in English and French, with deep IT skills and overseas work experience, entered the block chain industry in 2013, is a senior developer of block chain technology, Silicon Valley YC geek entrepreneurial community mentor, French block chain Association scientists.

Jon Bond

Graduated from the University of Chicago, majoring in financial management, has worked as an intern in Wall Street Finance Company, joined a well-known domestic fund company after returning to China, and served as a fund product manager.

William Liu

Block chain expert, deformable operating system, mine pool cloud computing, PXP social electronic merchant computer engineer, is mainly engaged in high throughput and high expansion anti-intrusive block chain and neural network comprehensive technology development and application. Graduated from the University of Washington.

Greg Kahn

Graduated from Ohio State University, majoring in finance, with more than 10 years experience and achievements in project management, consulting, venture capital fund operation and management. In recent years, we have devoted ourselves to the new generation of distributed computing revolution represented by block chain and participated in many digital currency quantitative transaction operation projects. In the era of block chain, the quantitative transaction of digital money market has great imagination space.

Ⅸ、 Risk Tips

Note: as noted elsewhere in these provisions, ADC mining pool currency is not designed or sold in the form of money, securities or any other form of investment product. Therefore, the information provided in this section does not constitute the basis for any investment decision and does not intend to provide specific recommendations. The Foundation expressly rejects any and all liability for any direct or indirect loss or damage caused, directly or indirectly, by:

1. rely on any information contained in this section.

2. any such errors, omissions or inaccuracies.

3. any action arising from this information.

you acknowledge and agree to purchase, own and use ADC mine pool pass currency at risk. By purchasing, holding and using ADC mine pool pass currency, you explicitly acknowledge and bear the following risks:

Because of the loss of private key, custody error or purchase error, the risk of losing access to ADC mine pool card currency. A combination of private or private keys is necessary to control and process ADC pool pass coins stored in your purchaser's electronic wallet or other digital wallet or repository. As a result, the loss of the necessary private key associated with your purchaser's electronic wallet or other digital wallet or storage ADC the mine pool pass currency will result in the loss of these coins. Furthermore, any third party that obtains such a private key (including access to your purchaser's electronic wallet or other login credentials for your digital wallet or depository service) may steal your ADC mine pool pass currency. Since you choose to receive and store ADC electronic wallet or other digital wallet or vault caused or related to any error or failure, including your own failure to properly maintain or use such purchaser's electronic wallet or other digital wallet or repository, It may also lead to the loss of your ADC pool card currency. Moreover, if you fail to purchase and receive ADC mine pass currency in strict accordance with the prescribed procedures, it may also lead to the loss of your ADC mine pass currency.

Ⅹ、 Disclaimer

ADC mine pool certificate is a digital encrypted currency with A-DEFI exchange platform as one of its usage scenarios.

ADC pool pass is not an investment, we can not guarantee that ADC pool pass will increase value, but it is also possible, in some cases, the possibility of a decline in value. In view of the unpredictable situation, the objectives listed in this white paper may change. Although the team will do its best to achieve all the objectives of this white paper, all individuals and groups who purchase ADC mine pool certificates will be at their own risk.

The ADC pool pass certificate is not a kind of ownership or control right, and the control of the ADC pool pass certificate does not represent the control of the ownership of the ADC pool pass certificate platform or the application of the ADC pool pass certificate.

The ADC pool pass does not grant any individual the right to participate in, control, or any decision on the application of the ADC pool pass and the ADC pool pass.

Risk Tip:

1. risk tolerance. Because the market environment of Tongqi sales is closely related to the situation of the whole digital money market, such as the overall low market, or the influence of other uncontrollable factors, It may cause the digital currency itself to have a good prospect, but the price is still undervalued for a long time. In addition, the card in the open market transactions, usually volatile prices. Such fluctuations may be due to market forces (including speculative trading), regulatory policy changes, technological innovations, the availability of exchanges and other objective factors, which also reflect changes in the balance between supply and demand.

Whether or not there is a secondary market for ADC pool trading, the project party is not responsible for any secondary market ADC pool trading. Therefore, the risk involved in the trading price of the ADC pool should be borne by the traders themselves.

2. regulatory risks. Because the development of block chain is still in the early stage, there are no relevant regulatory documents about the pre-requirements, transaction requirements, information disclosure requirements, locking requirements and so on in the process of public issuance. And how the policy will be implemented is not clear, these factors may have an uncertain impact on the investment and liquidity of the project. Block chain technology has become the main regulatory object of various major countries in the world. The existing regulatory license or tolerance for the ADC of mine pool certificates or this public sale in any country may be only temporary. From time to time, the project party may receive inquiries, notices, warnings, orders or rulings from one or more competent authorities, and may even be ordered to suspend or terminate any action on the development of this public sale, ADC of the mine pool.ADC development, marketing, publicity or other aspects of the mining pool certificate and this public sale may therefore be seriously affected, hindered or terminated. Meanwhile, ADC pool pass may at any time be defined as virtual goods, digital assets or even securities or currencies, so in some countries, as required by local regulation, ADC pool pass may be prohibited from trading or holding. Furthermore, procedures that are prohibited or restricted in a particular jurisdiction, such as those involving gambling, betting, lottery, lottery, pornography, etc., may be developed, promoted, marketed or operated using no access requirements ADC the mining pool pass block chain. P regulatory authorities in a particular jurisdiction may take appropriate administrative or judicial measures against a particular program or even its developers or users. The punishment, punishment, sanction, repression or other regulatory measures of any government authority will more or less frighten or deter existing or potential users ADC the ADC pool pass system and hold the ADC pool pass system, thus having a significant adverse impact on the prospects of the pool pass.

Caution: this is a high risk item. In view of the attributes of the business model of the project and the early development stage of the project, the ADC mine pool certificate in this document should be regarded as a high risk item. The buyer shall be aware of the potential risks of the project, which is only suitable for the buyer who can bear the risk of the project. Furthermore, buyers should consider other risks before purchasing ADC mining pool pass and advise relevant professionals on income tax, legal and other related matters before purchasing.

3. information disclosure incomplete risk.ADC the platform is still in the development stage, its philosophy, consensus mechanism, algorithm, code and other technical details and parameters may be updated and changed frequently and continuously. While the white paper of the ADC mine pool certification platform contains the latest key information of the ADC mine pool certification platform, it is not absolutely complete and will still be adjusted and updated from time to time by the project party for a specific purpose. The project party is unable and obliged to inform participants at any time ADC every detail (including its progress and expected milestones, whether delayed or not) in the development of the platform, Therefore, participants are not necessarily informed in a timely and adequate manner of information generated from time to time ADC the development of the platform. Inadequate information disclosure is inevitable and reasonable.

4. systemic risk. Ignored fatal defects in open source or the risk of massive failures in global

network infrastructure. While some of these risks will be significantly mitigated over time, such as repairing loopholes and breaking through computing bottlenecks, others remain unpredictable, such as political factors or natural disasters that may cause partial or global Internet disruptions. Unforeseen other risks based on cryptography is a new and untested technology, in addition to the risks mentioned in this white paper, there are risks that have not been mentioned or foreseen by the founding team, and other risks may occur suddenly or in a combination of multiple risks already mentioned.

5. competition risk. With the development of information technology and mobile Internet, the digital assets represented by "Bitcoin" are gradually rising, and all kinds of centralized and decentralized digital asset exchanges continue to emerge, and the competition in the industry is becoming increasingly fierce. Although the ADC mine pool certification platform will quickly realize the flow of assets and the activity of the platform by injecting hundreds of millions of dollars of digital assets and tens of thousands of users, with the emergence and expansion of other trading platforms, The company will face continuous operational pressure and certain market competition risk. Under no circumstances can the project party eliminate, prevent, restrict or reduce such competitive efforts aimed at competing with or replacing ADC pool.

Unlike bank accounts or accounts of other financial institutions, the risk of uninsured losses is usually not insured on ADC pool card accounts or related block chain networks, and losses in any case will not be covered by any public individual organization for your losses.

6. the risk of private key loss. After extracting the digital wallet address, the only way to operate the contents of the buyer's digital currency ADC the mine pool card is the buyer's related key (that is, the private key or the wallet password). The user is responsible for protecting the relevant key for signing transactions that prove the ownership of the asset. Users understand and accept that it may be irreversible to lose or destroy the private key necessary to access the ADC pool pass. Only through the local or online ADC of the mine pool card wallet to possess the relevant unique public and private keys, can ADC mine pool card be operated. Each purchaser shall properly keep the private key of his wallet ADC the mine pool.

The project party or any other person can not help the purchaser to access or retrieve ADC relevant mine pass if the private key of the purchaser is lost, lost, leaked, damaged or endangered. In addition, the security of ADC mine pool card wallet (especially the private key) can enjoy the rewards and gifts attached to the purchase of ADC mine pool card.ADC mine pool card should be extracted to the wallet absolutely controlled by the user. Once the ADC pool pass certificate is transferred or transferred for any reason, the outstanding rewards and gifts attached to the ADC pool pass certificate will not be obtained. The best way to store a login credential safely is for the purchaser to store the key separately in one or more places, preferably not on a public computer. Anyone who obtains access to the buyer's registered mailbox or registered account by decrypting or deciphering the password of the purchaser of the ADC mine pool card will be able to maliciously claim the ADC mine pool card purchased in this public sale. Accordingly, the ADC mine pool certificate purchased by the buyer in this public sale may be wrongly sent to the buyer's registered mailbox or registered account.