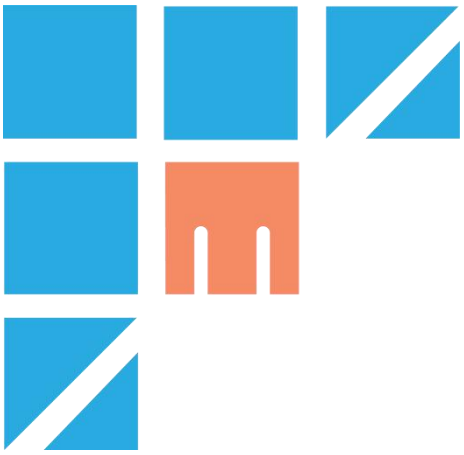

Fama WhitePaper

1. Introduction

Smart contract refers to a computer program that can automatically execute contract terms. Its concept was first proposed by cryptographer Nick Sabo in 1994, almost the same age as the Internet. Due to the lack of a trusted execution environment, smart contracts have not been widely used.

In 2008, a person who called himself Satoshi Nakamoto released Bitcoin and proposed the concept of blockchain. In the Bitcoin system, Nakamoto uses a script system to help users control their accounts and transfer processes more flexibly. This script system has become the prototype of a blockchain-based smart contract system.

In 2014, a teenager named Vitalik Buterin released Ethereum, which provides a blockchain-based, Turing-complete smart contract system. With this system, various blockchain-based distributed applications can be created.

FamaCoin is a blockchain-based digital asset and application platform. It provides a new set of smart contract system FamaContract, and provides functions such as digital assets and digital identity at the bottom of the system, making it very convenient for people to carry out asset digital business , Not just create native tokens on the blockchain.

The Fama system is a basic setting for building a commercial blockchain. Both companies and individuals can use Fama to realize payment, which is easy to operate. Fama is a transaction medium between merchants, merchants and individuals, and individuals. As a digital currency, Fama will fully emerge as a circulation demand.

2. Application scenario

2.1 Mobile payment field

With the continuous development of information technology, mobile payment has penetrated into all areas of life and has become a major change in social consumer behavior. With the widespread application of biometrics in the payment field, future mobile payments will be more secure and smarter. However, safety issues and regulatory issues brought about by the development of innovative technologies must also be taken seriously. Fama has achieved new breakthroughs in the mobile field through blockchain technology, and the principle of

decentralized anonymity solves mobile transaction security issues and regulatory issues.

In recent years, mobile payment products have evolved from traditional remote payment, QR code payment, and NFC near-field payment to facial payment, sonic payment, etc. Payment methods have also formed a diversified pattern of in-store payment, online payment, operator charges, mobile POS payment, and electronic wallet payment. People have developed the habit of using mobile payments in their daily lives, and the penetration rate of third-party mobile payments has reached a high level. Fama's high-speed data processing technology will have a huge breakthrough in this field in the future.

2.2 Cross-border payment

Cross-border payments involve multiple currencies, exchange rate issues, cumbersome processes, and long settlement cycles: traditional cross-border payments are basically non-real-time. Banks process transactions in batches at the end of the day, and it usually takes more than 24 hours to complete a transaction; The cross-border payments of some banks seem to be real-time, but in fact, the receiving bank makes a certain amount of advance payment based on the credit of the remittance bank, and then performs fund settlement and reconciliation at the end of the day, and the business processing speed is slow.

After accessing the Fama blockchain technology, the public and private key technology is used to ensure the reliability of the data, and then through the encryption technology and decentralization, the purpose of data cannot be tampered with. Through the P2P technology, point-to-point settlement is realized; the traditional central forwarding is removed, Improved efficiency and reduced costs (also looking forward to the possibility of popularizing cross-border micropayments).

2.3 supply chain finance

Fama blockchain technology can alleviate the problem of information asymmetry and is very suitable for the development of supply chain finance. Commodities in the supply chain are accompanied by monetary payment activities from sellers to buyers. In the context of high credit costs and corporate cash flow needs, financial service companies provide commodity transfer and payment guarantees. The characteristics of supply chain traceability, anti-counterfeiting, transaction verification, and timely settlement will solve many pain points in the existing trade

finance network and shape the next generation of supply chain finance infrastructure.

2.4 Copyright Protection

In the work of the Fama platform, every copyright transaction will produce an irreversible transaction record, which means that it includes an idea, story, script or character. Once recorded on the blockchain, even if the ownership is exchanged, transferred, sold, etc., the asset will always be tracked to solve the copyright issue.

2.5 Big Data

Fama's decentralization can store data in a safe, high-performance and cheap way, spreading the data across many nodes. As for data security, the blockchain approach means that every file is shredded, encrypted with your own key, and then distributed on the network until you are ready to use the file again. When needed for retrieval, these files are decrypted and reassembled quickly and seamlessly.

3. FamaCoin

3.1 Fama distribution mechanism

FThe total number of Fama tokens is 21 million.

The 3 million tokens of the Fama genesis block were distributed to the Fama development team, and the distribution has been completed.

The remaining part is rewarded to Fama network node supporters. This part is distributed according to the proportion of the node's computing power and distributed after the new block is generated.

Fama network node rewards are divided into two stages.

The first stage: Block 1 to 157689, each block rewards 14.5 FM.

The second stage: Beginning at block 157690, each blockchain rewards 7.5 FM.

3.2 ERC20 Token issuance

Fama token is the equivalent ERC20 token before the main network goes live. This is a very important step in Fama's preliminary planning. This is also Fama's transformation from a private chain to a public chain.

Contract address: 0x73e4A6B80F8De0aA3f95331c5a93e7f8431B6d95

Block explorer:

https://etherscan.io/token/0x73e4A6B80F8De0aA3f95331c5a93e7f8431B6d95#balancess

3.3 Mainnet design

The Fama mainnet is an independent blockchain network that can provide developers for development, debugging and testing, forming an open source smart contract system.

Before Fama went live on the mainnet, it was built on the Ethereum blockchain network. Like ERC20 tokens, GAS is required to run network blocks. If the number of transactions increases, the Ethereum-based network will experience serious congestion, and the required GAS value will increase. After the Fama mainnet is launched, tokens will be issued on its own blockchain network. The complete underlying blockchain network structure makes the transaction speed hundreds of times faster than ERC20 tokens. There is no need to pay miner fees during the same transaction. It is more convenient for commercial institutions to carry out asset digitization business and improve the efficiency of developer project development.

3.3.1 Fama Mainnet model

The Fama main network is a data network connected by countless nodes. In the Fama network, each node is an independent network block, but the data is interconnected and shared to form a multi-node data sharing network. Each developer can create his own digital asset FRC token, and each FRC token is an independent blockchain network. Countless FRC tokens can be created on the Fama mainnet. FRC tokens are independent. Developers can ensure that their blockchain network is more stable by configuring more node servers.

In the main network system, Fama is the chain hub of each independent blockchain network, ensuring the independence of the blockchain network and real-time sharing of block data. Developers set up their own independent blockchain network to ensure the stable operation of their digital asset tokens. They need to transfer multiple FAMAs at each node. FAMA acts as a fuel value in the operation of each node. As independent nodes increase, each The FAMA fuel required by each node is reduced, which is a rule created by the FAMA mainnet consensus mechanism.

Developers create their own FRC blockchain network on the Fama mainnet, which is more open source. Developers can customize the distribution mechanism, custom handling fees, custom node servers, etc. The Fama mainnet will be completely transparent to all developers.

After the Fama mainnet goes live, FAPP will support hundreds of millions of applications running simultaneously. Using sharding technology, the network between each layer will be complementary, so that the scalability of FAMA can be increased by more than 1,000 times, so that each layer of the blockchain network can support hundreds of millions of transactions per second, and support most application.

3.3.2 Consensus mechanism:FamaDBFT

FamaDBFT is called Fama Delegated Byzantine Fault Tolerant, which is a Byzantine fault-tolerant consensus mechanism in which large-scale nodes participate in consensus through proxy voting. Fama holders can choose the consensus nodes they support by voting. Then the selected consensus node uses the BFT algorithm to reach a consensus and generate a new block. Voting takes place continuously on the Fama network in real time, rather than on a fixed term.

FamaDBFT provides fault tolerance of f=⌊(n-1)/3⌋ to a consensus system composed of n consensus nodes. This fault tolerance includes both safety and availability, can resist general faults and Byzantine faults, and is applicable In any network environment. FamaDBFT has good finality, a confirmation is final confirmation, the block cannot be forked, and the transaction will not be cancelled or rolled back. Under Fama's FamaDBFT consensus mechanism, a block is generated every 10 minutes, and the measured transaction throughput can reach about 1000 tps, which has excellent performance in the public chain. Through proper optimization, it has the ability to reach 10,000 tps and can support large-scale commercial applications.

FamaDBFT combines digital identity technology to enable consensus nodes to be individuals or institutions with real names. This makes possible non-routine operations such as freezing, revocation, inheritance, retrieving, and transfer of judicial decisions. This is conducive to the registration and issuance of compliant financial assets in the Fama network. Fama Network plans to support such operations when necessary.

3.3.3Smart contract system : FamaContract

FamaVM-Blockchain general virtual machine

FamaVM is a lightweight general-purpose virtual machine. Its architecture is very similar to JVM and .NET Runtime. It is similar to a virtual CPU. It is responsible for reading and executing the instructions in the contract in order, and performing process control and arithmetic according

to the function of the instruction. Operations, logical operations, etc. It has good startup speed and versatility, and is very suitable for small programs such as smart contracts. It can also be transplanted to non-blockchain scenarios, or integrated with IDE to provide a good development experience. The function of FamaVM can be extended and the JIT (just-in-time compiler) mechanism can be introduced to improve the execution efficiency of instructions.

Famahash-Hash encryption algorithm

It is used to load underlying services such as blockchain ledgers, digital assets, digital identities, and persistent storage areas. They are like security locks provided for virtual machines, allowing smart contracts to process data more efficiently at runtime, thereby implementing some advanced functions.

FamaFS-Distributed Storage Protocol

FamaFS is a distributed storage protocol that utilizes Distributed Hash Table technology. FamaFS uses file content (Hash) instead of file path (URI) to index data. Large files will be divided into fixed-size data blocks and distributed and stored in many nodes.

The main problem of this type of system is the need to find a balance between redundancy and reliability. FamaFS plans to resolve this contradiction through the token incentive mechanism and the establishment of backbone nodes. Users can choose the reliability requirements of files. Low-reliability files can be stored and accessed for free or almost free. High-reliability files will be provided by backbone nodes with stable and reliable services.

4. FamaPay

The purpose of FamaPay is to establish a complete global payment system. Expanding the global payment business is a very difficult task, and consensus needs to be reached in many aspects. Since different countries and regions have different financial transaction systems, cross-border payments, currency conversion, deployment, and management of capital flows are likely to be subject to different legal regulatory constraints. This forms a highly complex payment network. Moreover, because of the fragmentation of the financial industry itself, it has become even more difficult for a single bank to conduct direct transactions with other banks around the world.

4.1 Advantages of FamaPay

FamaPay is an ecosystem established on the Fama platform. It integrates various digital currencies through blockchain technology, and provides developers with a more convenient and safe interface with a simplified interface API. FamaPay deploys multiple security encryption verifications to isolate and protect users' sensitive data and privacy, and solve user asset security issues.

Mobile application development: Connect to FamaPay and let your mobile application support Fama, USDT, BTC, ETH and other digital currency payments and transfers.

Website application development: access to FamaPay, let your website support Fama, USDT, BTC, ETH and other digital currency payment and transfer.

After the developers apply for FamaPay to settle in, they will obtain the API interface usage permission and application station, so that your application can be displayed to users around the world through the FamaPay platform.

4.2 FamaPay's vision

FamaPay's vision is to build a blockchain application market and build an open, innovative, consumer-oriented mobile distribution platform for blockchain applications. The mobile Internet is developing rapidly, and the blockchain technology is iteratively updated. The application of blockchain technology to the mobile Internet will become a trend. FamaPay grasps this trend and applies blockchain technology to various fields to build a complete ecosystem around Fama.

The FamaPay platform provides developers with complex blockchain technology through a simplified interface API to save development costs. One interface completes the functions of all digital currencies, integrating various digital currencies into one.

FamaPay distributes various blockchain applications. You can create various types of applications and publish them on our platform to bring traffic to your platform and increase the frequency of FamaPay use to achieve mutual benefit and win-win cooperation.

FamaPay is the key development direction in the future. We will strive to update and optimize, research and develop new technologies, and strive to push the Fama platform to the forefront of global blockchain applications.

4.3 FamaPay Development Document

For details of FamaPay development documentation, please refer to the link：https://www.famacoins.com/FMAPI.pdf

5. FamaPay Side chain

The core idea of the side chain is to build a completely independent blockchain, with its own validators and operators, which can transfer assets to and from the main chain, and selectively send snapshots of the block header to the main chain to prevent sharing Fork produced.

The FamaPay sidechain is referred to as FMP, and the issuing sidechain is the project's exploration of the Fama mainnet model. The Fama mainnet creates a multi-person two-way generalized state connection channel, which can build fast, easy-to-use, low-cost and secure blockchain applications on the Internet scale through off-chain expansion technology and incentive encryption economics. After the Fama mainnet goes live, applications based on the Fama block network will become more and more popular. Individuals or merchants can develop their own blockchain applications on the Fama mainnet, and the issuance of digital asset tokens will be used for the value circulation of blockchain applications. The emergence of FMP is to explore in advance whether the Fama mainnet can establish a complete ecosystem in various fields in the future.

5.1 FMP Distribution mechanism

A total of 10 million FMPs, 50% of which are used for free airdrops, event rewards, etc. 50% of FMP is used for FamaPay application development incentives.

The FMP airdrop is conducted in 3 phases, and the airdrop plan is as follows:

1. If the user's subordinate has more than 3 users participating in IBO activities or holding contracts, users who participate in IBO subscriptions or users who lock FM, have participation in empty investment grid.

2. The number of airdrops = the number of FMs subscribed or locked during the user activity * the number of days before the end of the activity.

3. The standard FMP airdrop period is 10 days. If a user subscribes or locks up 100FM on the first day of the event, then adds additional subscription or locks up 200FM on the second day,

and after the 10th day of the 500FM airdrop subscription period ends on the 10th day, the calculation method for airdrops to obtain FMP:

100*10+200*（10-1）+500*（10-9）=3300 FMP

The specific FMP airdrop time is subject to the platform announcement.

5.2 FMP Application scenario

FMP is the FamaPay application incentive ecological pass and equity points. FamaPay has established a global blockchain project open source Fapp distribution platform, similar to Google Play. In the future, it can support countless merchants to build blockchain projects on the platform. Through data on the chain, data ownership, control and income rights can be returned to users, allowing users to become the masters of their own data, thereby reconstructing the credit society through blockchain. FamaPay is the focus of attention in the future. After the mainnet goes live, an independent block network will be created to expand Fama's application expansion field.

FMP carries value circulation in the FamaPay ecosystem and becomes the blood of ecological co-construction and value consensus. At the same time, in order to further bind the ecological value with all ecological members and developers. FMP will be linked to the user's authority in some scenarios of the Fapp application.

6. Smart contract API

setgenerate true: enable mining mode

Successful return: success

setgenerate false: Turn off mining mode

Successful return: success

getinfo: Query wallet information

{

"version": xxxxx, ——server version number

"walletversion": xxxxx, ——Wallet version number

"token": "Fama(FM)", ——Token name

"balance": xxxxx, ——local wallet balance

"blocks": xxxxxx, —— block height

"connections": xxxxx, ——the number of nodes

"difficulty": xxxxxx, —— mining difficulty

"energy": xxxxxx, ——energy value

"contract": xxxxx, —— contract address

"free": xxxxx, —— handling fee

"timestamp": xxxxx, ——server time

}

getdifficulty: query mining difficulty

Returns: Degree of Difficulty

getenergy: query energy value (KW)

Returns: Energy value

sendtransaction (Number) (address): send FM to an address

Successful return: success

Reason for failure:

1、Insufficient quantity：false：please enter the correct quantity！

2、Address error：false：please enter the correct address！

3、Other mistakes：false: please enter the correct content!

gettransaction (hash): Query information under hash

getaddress (Index, label, optional): query wallet address

getaddressinfo (label,address,optional): query address information

getblock (number, optional): query block height information

newaddress (label): Add a new deposit address, the address must be set with a corresponding label (letter or number)

getbalance (address, optional): Query the balance under the address

walletlock: lock wallet

walletunlock (password): unlock wallet (password is the password set for creating wallet)

getmachine : Query expansion machine information

loadmachine (optional) : Loading expansion machine

unloadmachine (optional) : Unloading and expansion machine

setmainaddress (address): set the default address

transfertoaccount (number,from_address)(default_address): transfer FM from wallet to asset

transfertowallet (number,to_address)(default_address): transfer FM from assets to wallet

7. Fama Market value planning

7.1 Fama's completed planning

Free mining stage（04/05/2020）

FamaCoin draws on the ‘Bitcoin’ mining algorithm and optimizes it to create its own FamaHash algorithm. Each miner obtains Fama by consuming energy. Through free mining, increase the number of addresses holding Fama.

Open USDT contract mining（04/15/2020）

Miners open contracts to increase mining power by staking USDT, and the pledged USDT will

be automatically returned after the contract expires.

Open trading section（04/30/2020）

Open the FM/USDT trading pair to realize matching transactions between users.

FamaPay app is online（06/20/2020）

FamaPay is an ecosystem established on the Fama platform. It integrates various digital currencies through blockchain technology, and provides developers with a more convenient and safe interface with a simplified interface API.

IBO recognition event is online（08/03/2020）

The main purpose of this recognition is to expand the market value of Fama's circulation, and at the same time provide pre-funded research and development for the development of the main network.

Fama first listed on the exchange（08/18/2020）

Fama tokens will be launched on ZT exchange (ztb.com), coinw.to and ZG exchange (zg.com) at the same time.

Fama listed on Uniswap exchange（08/25/2020）

Uniswap is an Ethereum-based protocol designed to facilitate automatic exchange transactions between ETH and ERC20 token digital assets, and automatically provide liquidity on Ethereum.

7.2 Fama future planning

7.2.1 Fama sidechain goes online (September 2020)

From the above, the launch of FMP tokens is an exploration of the diversified fields of the Fama mainnet. We strive to create an excellent ecological model. After the mainnet is launched, a series of blockchain project development strategies are provided for developers or businesses.

7.2.2 Fama platform is completely decentralized (October 2020)

The inflow or outflow of all asset tokens on the Fama platform will not require manual processing. The user's wallet deposits Ethereum as a handling fee, and other asset transfers consume the corresponding Ethereum handling fee based on the gas of the Ethereum network.

7.2.3 Fapp ecologically perfect

The FamaPay interface deploys new channels, adds multiple data calls and docking APIs, and

improves the efficiency of developing application projects.

7.2.4 Mainnet construction

The Fama mainnet research and development process is long, and the technical development team budgets to launch the mainnet test block network within 3 years. Once all tests and code security audits are completed, we will go all out to launch the mainnet.

Fama's future planning will make corresponding strategies and changes based on the development of the blockchain industry. We will let all users understand the project development process and plan in the form of announcements or monthly reports.

8. Risk warning

1. At present, the attitudes and policies of major countries in the world regarding the use of cryptocurrency financing for blockchain projects are not clear, and there is the possibility of losses for fans due to policy reasons;

2. Digital asset transactions, including Fama, have extremely high uncertainties and lack of reasonable supervision. All cryptocurrencies are exposed to skyrocketing and falling risks, and are subject to the risk of dealer manipulation;

3. At present, there are many projects in the field of blockchain technology, with fierce competition and very strong market competition. Fama has proven its competitiveness in the past and will do its best to ensure the continued development and growth of the Fama project, but we cannot ensure its success;

4. The Fama team will spare no effort to achieve the goals set out in the white paper and actively explore the longer-term development space of the project. However, due to the uncertainty of the external environment and internal resources, we will reserve the right to adjust the content of the white paper. We are not obliged to actively notify all changes to the content of the white paper. Participants are requested to keep abreast of updates through relevant channels;

5. In addition to the above risks, since cryptocurrency is still a brand new field, there may be various risks that we have not mentioned or anticipated.