

WHITE PAPER

THE EXPANDING UNIVERSE OF

KOTIA.CASH



November 2021



Abstract

In the pursuit of sustainable value and inherently more energy-efficient cryptocurrencies, Kotia was created with the aim of becoming an interesting alternative to the current major blockchains.

Kotia takes all the positive aspects from Bitcoin and Ethereum, combining their merits and fixing the flaws.

Kotia is free from any kind of central control, no-one owns Kotia, because Kotia is a network created by the community for the community and grows together with the number of users who study, use, implement and support it.

For this reason, Kotia has chosen a consensus mechanism based on "Proof of Stake", which only initially travels in parallel with "Proof of Work". In fact, Kotia has skilfully combined the two protocols in a hybrid solution for the first million blocks.

Upon reaching the millionth block, the system abandons the "proof of work" mechanism, leaving only room for "proof of stake" for reasons outlined in this document.

What is "proof of work" and "proof of stake"?

"Proof of work" and "proof of stake" are the two main consensus mechanisms used by the various Blockchain networks to verify new transactions, add them to the blockchain and create new tokens.

Proof of work and mining are concepts that are closely related to each other. The reason it is called "proof of work" is because the network requires a large amount of computing power. P



Proof-of-work blockchains are protected and verified by miners from all over the world who race to be the first to solve a complicated mathematical algorithm. The first to solve it updates the blockchain with the latest verified transaction and is rewarded by the network with a predetermined amount of cryptocurrency or tokens. The main disadvantage of this system is that it is inherently energy-inefficient and offers limited scalability potential.

Proof of Stake is the process through which the user who participates in the network ("validator") is selected to add the last "batch" of transactions to the blockchain, receiving a reward from the network in exchange for this activity.

When the validator has verified the last block of transactions, other validators can verify that the block is accurate. Once the pre-established threshold number for verification is reached, the network updates the blockchain. All validators participating in this operation receive a reward in the native cryptocurrency, each one in proportion to the size of their "stake". It is a much less expensive process in terms of energy that therefore has a lower impact on the environment and is easier for any type of user to participate in, as it does not require them to possess particularly powerful hardware.

Kotia is accessible to everyone, it is not hardware-dependent, and users can download the core-wallet directly from the links on the web site.

To mine Kotia, miners simply have to follow the simple tweaks in the appropriate section. It can be mined by simply using a laptop, directly from the Kotia Wallet or by asking to join a pool. This will help the Kotia network grow.

Kotia guarantees the lowest transaction costs thanks to a decentralized and PoS-based validation system.



KOTIA WALLET

Kotia Wallet is in effect a **core wallet** created under the Bitcoin Core MIT open-source protocol license. It allows payments to be verified autonomously and the program it is based on is also able to generate complete nodes, which download the entire blockchain to validate it in its entirety.

What is a Core Wallet?

A core wallet has the ability to contain the entire blockchain instead of just a piece of it, and allows users to both receive, store and send digital money, alongside the program on or with it.

For example, Bitcoin transactions are kept on a digital ledger known as a blockchain which is maintained by a multitude of computers across the globe.

This digital record is ever-growing, and a wallet is a software that interacts with the network of recordings and lets users receive, store and even send their digital money.

The Kotia core-wallet offers high levels of security, privacy and stability (exactly like the bitcoin core from which the fork was made).

Downloading the Kotia wallet **converts the user's PC into a fully-fledged** node of the Kotia network. This includes an exact and complete copy of all the operations that have been carried out since the initial launch of Kotia.

Precisely because the codes on which Kotia is based are public and can be viewed by anyone, **all users can see the underlying technology, and the operating mechanism.**



Regarding the security of the Kotia wallet:

- No third party can freeze or appropriate any funds held in the wallet, the user has full control over them.
- It is a full-node wallet that verifies and transmits transactions on the Kotia network. There are no master-nodes. This means that users don't have to rely on third parties to validate payments.
- It is an open-source wallet and is built in a deterministic manner, so each programmer can verify the code.
- It guarantees high levels of privacy on every transaction: for each payment send or request, it is possible to generate a random address, which guarantees an even greater level of privacy for users who participate in the network.
- Tor can be used as a proxy.
- Users can set a password to unlock the wallet, ensuring greater security
- Users can keep all transactions under control, by accessing the appropriate section containing the transaction history
- Users can sign and/or verify contracts, directly from their Kotia wallet
- Users can make a backup of their wallet data
- The first million blocks can be mined directly from the Kotia wallet, following the simple steps indicated on the website
- Users can stake Kotia and receive rewards for validating transactions.

WALLETS ARE AND WILL BE AVAILABLE FOR ALL PLATFORMS.

The mission of Kotia is to be listed on various exchanges and present on mobile wallets (android/iOS) as well as on other former solutions such as Browsers.



Features of the KOTIA Blockchain

Algorithm	Script Proof of Work and Proof of Stake
Coin name	kotia
Coin abbreviation	KOT
Public address letter	K
Public address letter testnet	T
RPC port	46173
P2P port	46174
Block reward	100 coins
Block reward (PoS)	20 coins
Premine	100000 coins
Website URL	https://kotia.cash
Github URL	https://github.com/kotiacash



Last PoW block	block 1000000
Min. stake age	12 hours
Max. stake age	Unlimited
Coinbase maturity	20 (+ 1 default confirmation) blocks
Target spacing	2 minutes
Target timespan	10 minutes
Transaction confirmations	6 (+ 1 default confirmation) blocks

With the PoS protocol, network nodes engage token “stakes” for a set period of time in exchange for the ability to be selected to produce the next block of transactions. The chosen node, called “validator”, will receive the block rewards in the form of kot, the native network token.

Network participants who want to be involved in verifying the validity of transactions and creating blocks, must hold a certain number of coins (and can decide how much to make available to validate operations) of the network in their wallet connected to the Kotia blockchain. This process is known as “placing a stake” or “staking”, in other words putting one’s own interests on the line. A block creator in a PoS system can only create blocks proportionate to their participation in the network.



Why KOTIA

- PoW and PoS combined up to block 1,000,000 in a 5 to 1 ratio, in other words if a miner generates a block the reward is 100 Kot, whereas staking generates a reward is 20 Kot or a fraction of the same if the user is in a pool
- The creation of 1,000,000 blocks in 2 min serves to reach the starting supply in a sufficient time to ensure the distribution and creation of an adequate number of users/nodes
- Upon reaching the 1M block, the network ceases to expand in approximately linear terms (PoW + PoS)
- After that, only the PoS rewards remain, which leads to a lowering of the growth curve by limiting token inflation and helping to reward stakers natively.
- Low transaction costs and speed are the basis of Kotia





Road map for Kotia Cash

- **NOV. 2021 from block 0 to block 10.000**

- coding KOTIA
- GENESIS BLOCK
- WALLET CORE LINUX WINDOWS MACOS
- CODE-FREE ON [GITHUB](#)

- **FROM 10.000 or supply > 500.000**

- OPEN THREAD BITCOINTALK
- CREATE COMMUNITY (in [telegram](#) and [discord](#))

- **FROM Block 300.000**

- listing in a (little) central exchange
- Start collateralization of "kot" in bsc
- Presence in a dex bsc as whit a liquidity pool.

- **From block 500.000**

- Support e-commerce projects
- Increase trading and liquidity

- **After block 1.000.000**

- Finish POW support
 - Kotia Only POS blockchain
 - Listing in more exchange with big reputation
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Trust in the future and Start Team

Kotia has no owner, it belongs to the community of users who participate in its network, and the network grows with it.

The creation of Kotia follows the belief that it is technology that must be at the service of mankind and not the other way around.

The purpose of Kotia is to be GREEN, FAST, SCALABLE and MULTIPLATFORM.

Kotia has its own token and native network, but it can be transformed into an erc20 token and therefore benefit from **all the advantages and flexibility derived from interfacing with the dex world.**

It is particularly suitable to be adopted (natively) for fast and low-cost transactions, gaming, entertainment, ecommerce etc.

With the implementation of a Kotia token wrapper in erc20, it will be possible to participate in all decentralized finance processes, and be able to swap Kotia for any token, as well as being able to create dexapplications on top.

WP drafted on 11-17-21 for the Kotia.Cash 21 project
Project Start Team and WP -

Kotia Cash Alliance