



wixlar

Overview & White Paper

A Future Technology in Crypto Currencies' Transactions, Portable Wallets and Decentralized Applications

Table of Contents

1. Introduction
 - * Introduction to BitCoin and Crypto Currencies
 - * History
 - * The Anonymous E-Cash Protocols
 - * Money through solving Puzzles
 - * Reusable Proof of Work
 - * Satoshi Nakamoto and BitCoin
 - * Hashing Algorithm
 - * Proof of Work vs. Proof of Stake
 - * Transactions
 - * Verifying Nodes
 - * Block Explorer
2. Wixlar
 - * Wixlar Coins API
 - * Enhanced Hashing Algorithm
 - * Enhanced NFC Payments
 - * Wixlar Double Spending Proof
 - * Wixlar Mobility
3. Wixlar Services
 - * Wallets
 - * Master Card
 - * Global Exchanges
 - * Smart Contract
 - * Innovative Letter of Credit
 - * Decentralized Cloud Storage
 - * E-Shop
 - * Academy
 - * Partners
 - * Lottery
 - * Free-Lancing
 - * Rewards
 - * Marketers and Authors Rewards
 - * Stake Holders Rewards
4. Wixlar ICO
 - * The Opportunity with Wixlar ICO
 - * Allocation of Coins
 - * ICO Stages and Bonuses
 - * Wixlar ICO Schedule
 - * Purchasing Methods
5. Wixlar Road Map

1. Introduction

Blockchain, the underlying technology of Cryptocurrency and its future applications in global economy, in business and generally in all areas of our society is well recognized today.

In this paper, we analyze the advanced technology of Blockchain and its uses for both online and offline services of the Wixlar Cryptocurrency. Wixlar Services are considered the next revolution in enhancing the applications of Cryptocurrency and Blockchain technology.

Introduction to BitCoin and Crypto Currenices Concepts

1.1

Bitcoin, the first Cryptocurrency was developed in 2009 by Satoshi Nakamoto, to be used as an internet currency with variable value that is based on the supply and demand in the market. Bitcoin succeeded in providing its network of users worldwide with certain advantages such as anonymity, faster transactions, very low fees and added security through utilizing Cryptography.

The most important part of Bitcoin is its network is decentralized and all network transactions are verified and processed using Blockchain technology.

All transactions are converted into blocks of data that have been verified among its users or nodes in the network. This innovation allowed many developers to cite alternative applications of Blockchain technology using digital tokens as assets in order to represent other assets or coins with enhanced financial processing or transaction protocols.

Wixlar Group is intending to enhance the performance of transactions by using an enhanced hashing algorithm for encryption decryption to provide more secure transactions, faster and with lower fees. This allows its users to be able to solely rely on Wixlar Coins to do their business online and offline in confidence in a safe secured way.

1.2

History

The decentralized digital currency concept has been under study for decades to find a way to transact without the need for a central authority or third-party involvement for trust and security. BitCoin as the first Cryptocurrency succeeds in providing anonymous transactions without exposing the identity of the sender or receiver and led to an innovative fast practical and inexpensive way to provide security to its users and expand globally. It gives the opportunity to billions of people around the world that are outside the current Fiat monetary system because of personal circumstances to be included in the global economy, participate and contribute to our society. There were numerous attempts at solving the puzzle

1.2.1

Anonymous Electronic Cash Protocols

The anonymous 1980s and 1990s electronic cash protocols were mostly dependent on a cryptographic primitive called Chaumian Blinding that provided new currencies with privacy control, however their underlying protocols failed to gain attraction because they were dependent on a Centralized Authority potentially compromising security.

1.2.2

Money through Solving Puzzles

In 1998, Wei Dai b-money succeeds to become the first proposal to introduce an innovative idea on creating money by solving computational puzzles and decentralized. The proposal however failed to progress because it did not show how a decentralized environment can be implemented.

1.2.3

Reusable Proof of Work

In 2005, Hal Finney introduced a new concept of "reusable proofs of work" which is a system that uses combined ideas from b-money and Adam Back's computational Hashcash puzzles in order to create a new concept for Cryptocurrency. The attempt failed because it relied on trusted computing mechanism as a backend.

<https://wixlar.com/2017/08/16/crypto-transactions-technology>

1.2.4

Satoshi Nakamoto and BitCoin

In 2009, BitCoin was the first decentralized currency that was implemented in practice by Satoshi Nakamoto and it combined primitives to manage the ownership of BitCoins using public key Cryptography with a hashing algorithm to keep track of a Blockchain of who owns coins, known as "proof of work."

1.3

Hashing Algorithm

Hash Functions MD2, MD4 and MD5 are meant for digital signature applications where a large message has to be "compressed" in a secure manner into a shorter message. They are used for hashing Digital Signatures into a shorter value called a message-digest and the Secure Hash Algorithm (SHA) is similar to the MD4 as a standard algorithm that makes a larger 60-bit message digest.



Proof of Work and Proof of Stake

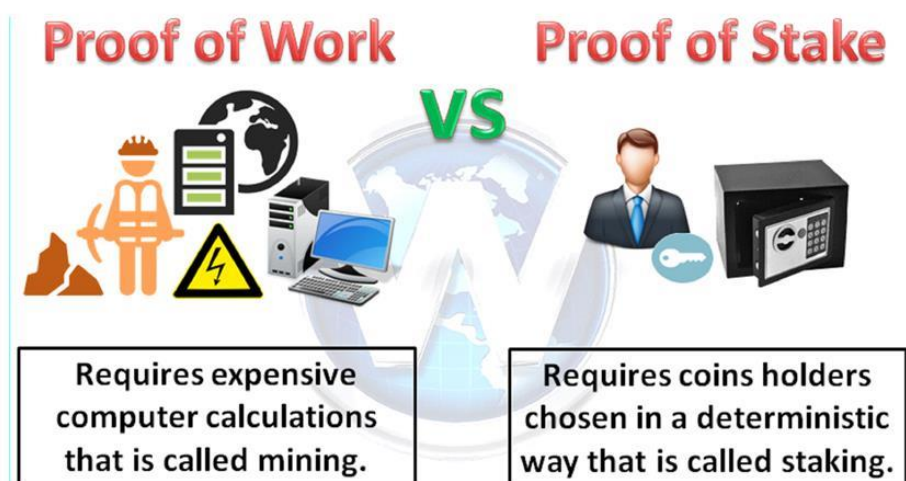
Proof of work solved two main problems which are provided simple algorithm that allows network nodes to vote or verify some updates of the Bitcoin ledger and allowed a free entry to this process to solve the problem of who gets to influence the consensus with preventing attacks.

Proof of work solved two main problems; it provided a simple algorithm that allows network nodes to vote or verify some updates of the Bitcoin ledger and it allowed a free entry to this process to solve the problem of who gets to influence the consensus while preventing attacks. Proof of work succeeds in that by substituting a formal barrier to participation, such as each single node power in the verifying process being dependent on the computing power that the node brings.

After that, a problem of huge power and electricity fees began to appear in order to continue working with the proof of work which led to a new alternative approach called proof of stake that is calculating the weight of a node according to its currency staking or holding only which means more power and electricity savings

<https://wixlar.com/2017/08/17/pow-pos>

The discussion showing the benefits of the two approaches proof of work and proof of stake and both approaches can be used for any Cryptocurrency.



1.5

Transactions

Each Transaction is taking place using a wallet (web wallet, Windows wallet, APPLE Wallet, Mobile Wallet) as a block in the Blockchain to be verified or voted among the nodes in the network, that is the Miners work in the Proof of Work and Stakers work in the Proof of stake.

1.5.1

Verifying Nodes

Transactions can be processed in less time by people who are interested in mining and staking and allow themselves to become verifying nodes in the network to gain some profit which makes the network alive as long as there are active nodes in the network.

1.5.2

Block Explorer

Anyone can check the blockchain and the number of blocks processed through the Block-Explorer but for security reasons, no one can know the exact owner or receiver of any transactions which provides privacy and anonymity for network users.

2. Wixlar

After twelve years of experience in business trades with global companies and seven years of Cryptocurrency research, Wixlar Group Co. LTD decided to launch Wixlar Coins a Hybrid POW/POS decentralized Cryptocurrency with an enhanced secured hashing algorithm to become one of the easiest ways to make safe transactions with small or big businesses or using Wixlar Coins to buy or sell any products or services online and offline.

<https://wixlar.com>

Wixlar Coins API

2.1

Wixlar Coins API allows developers to add Wixlar Coins as a local or global payment method using credit cards. More than 100 businesses are starting their co-operation with Wixlar Group to accept Wixlar Coins in their normal business.

Business and traders accepting to buy or sell their products or services using Wixlar Coins means more reliability, success, higher value and better future.

Enhanced Hashing Algorithm

2.2

Wixlar Engineers came out with the right idea of enhancing the Hashing Algorithm by using the TrapDoor Hashing Algorithm combined with El Gamal Key Signature in order to provide an enhanced characteristic of the transactions module for Wixlar Coins thus providing an advanced security layer for the Public and Private Keys used in the system.

This enhancement is considered like a whole new breakthrough into the Blockchain technology and would open the door for more researches in the near future.

Enhanced NFC Payments

Our Technical team are working daily and Wixlar Engineers discovered an impressive way to maximize the daily transactions online and offline by enhancing the Near Field Communications NFC Payment systems as shown in Figure3.

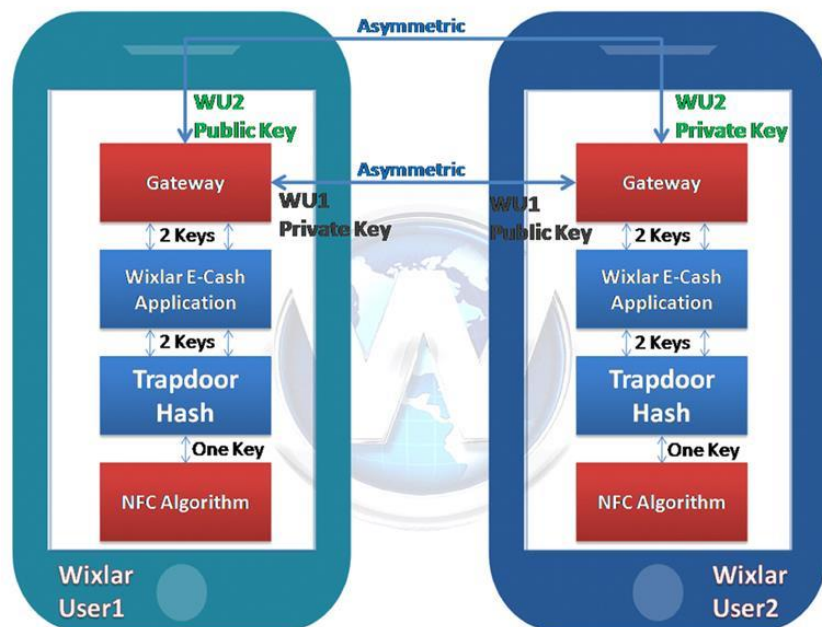


Figure3: Wixlar NFC Enhanced Mobile Application System

This enhancement occurs through a special Wixlar NFC Mobile Payment Application, which upgrades the NFC Algorithm by utilizing the Trapdoor Hash Functions to provide unique Public and Private keys for each user plus a new feature that generates different keys for each transaction in the channel to minimize any channel attack and secure the anonymity for Wixlar Users.

2.4

Wixlar Double Spending Proof

Double-spending is a potential flaw in a Cryptocurrency scheme in which the same coin can be spent more than once.

This is possible as a leak of security because each coin consists of a digital file that can be duplicated.

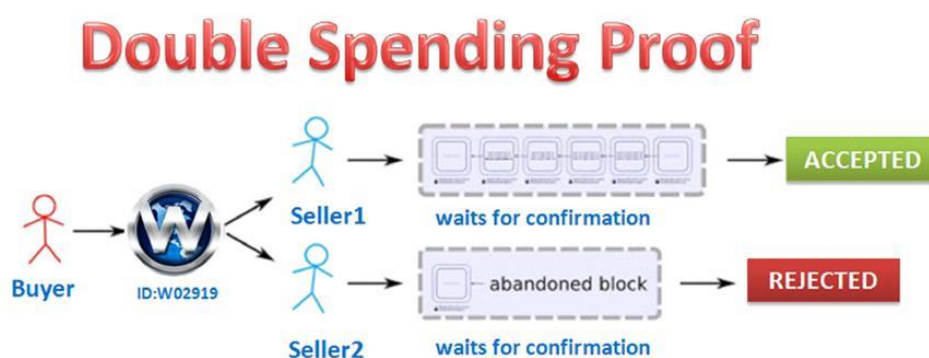


Figure4: Wixlar Double Spending Proof

Wixlar uses enhanced special techniques combined together to prevent the double-spending through the digital signatures which preserves anonymity in a transaction with encrypted blind signatures that cannot be revoked.

2.5

Wixlar Mobility

From day 1, some of the Wixlar Users were eligible to test the Wixlar Wallet on Mobiles, Tablets, PCs and Laptops through their participation in the Wixlar Beta Testing mode that occurred in many countries in Europe and sponsored a number of major public events.

<https://wixlar.com/category/events>

Wixlar Group is not limited to coding and programming software or mobile apps, but also manufacturing our own portable products such as Wixlar Mobile Phones, Wixlar Tablets, Wixlar Laptops and much more.



Figure 5: Wixlar Technology Products

Wixlar Mobility is the key to success for Wixlar Coins to be used by our delighted global users.

3. Wixlar Services

Wixlar Group offers to the public, individuals and companies some of the latest advanced technological services through a Global Decentralized Network based on the Blockchain technology such as Wallet, Master Card, Exchanges, Smart Contract, Letter of Credit, Cloud Storage, E-Shop, Academy, Rewards, Partnerships, Lottery and Free-Lancing.

<https://wixlar.com/services>

3.1

Wixlar Wallets

Wixlar Coins are securely stored in your personal wallet on your computer, tablet, phone or laptop (Windows, Linux, Mac, Android, Paper Wallet). You can Download your wallet and immediately start sending and receiving payments with a click of a button . <https://wixlar.com/wallets>

3.2

Wixlar Prepaid Card

This Prepaid Wixlar Card is a usable physical & virtual card that you can securely carry and withdraw money on the go. <https://wixlar.com/mastercard>

3.3

Global Exchanges

Wixlar Coins can be converted into any other currency like \$,€, £, ¥ etc, and into any other Cryptocurrency like BTC, ETH, BCC, LTC etc, through various legal public exchanges. <https://wixlar.com/exchanges>

3.4

Wixlar Smart Contract

Through the Wixlar Wallet, our users are able to create their own tokens, assets or shares through Wixlar Smart Contracts in order to take their business to the next level utilising Wixlar Blockchain technology . <https://wixlar.com/smart-contract>

3.5

Innovative Letter of Credit

With Wixlar Letter of Credit, the seller accepts to receive Wixlar Coins after shipping the goods to the buyer. The buyer agrees to send the exact amount of Wixlar Coins to our Wixlar Commercial Department which holds the balance and sends notification to the seller to ship the goods. Once the goods are received or shipped according to the mutual agreement between the buyer and the seller, the Wixlar Commercial Department will release the Wixlar Coins to the seller.

<https://wixlar.com/letter-of-credit>

3.6

Decentralized Cloud Storage

The advantage of Wixlar Cloud Storage is that it splits, encrypts and distributes your files across a decentralized network through the Blockchain technology. The decentralization eliminates any failure or theft of your files unlike traditional cloud storage providers. You hold your personal private key in order to get full access and control your files. Decentralized Cloud secures your sensitive data through a fuzzy logic hashing algorithm that makes it much more secure.

<https://wixlar.com/cloud-storage>

3.7

Wixlar E-shop

Wixlar Group is excited to announce the manufacturing of its own products such as Wixlar Phone, Wixlar Tablet, Wixlar Smart Watch, Wixlar Laptop and much more.

Customers are able to purchase the latest technology products through the Wixlar E-Shop at the best prices and highest quality.

Any product purchased from the Wixlar E-shop includes the integration of the digital currency Wallet into the product

<https://wixlar.com/e-shop>

3.8

Wixlar Academy

Wixlar Academy takes our users and partners to the next step for success by providing education and certification in smart technology.

Wixlar Academy opens the door for everyone to the open-source knowledge on the most up to date niche topics. Information is provided by authors from around the globe sharing the information on the Wixlar Academy platform.

Incentives are provided for the global authors according to the level of interaction the authors have with the users.

Wixlar Academy is your open-source for education with reference, besides the exciting announcements for Wixlar Events and Partners .

<https://wixlar.com/academy>

3.9

Wixlar Partners

Wixlar Group is excited to co-operate with partners internationally allowing Merchants globally to accept Wixlar Coins as a payment method on their websites. <https://wixlar.com/partners>

3.10

Wixlar Lottery

A new concept provided by the Wixlar Group. You can use your Wixlar Coins to buy a lottery ticket for your dream car, villa or yacht and the winners are chosen through a fuzzy logic faith system that guarantees the highest secured quality of processing and fastest lottery entry through Wixlar Coins. <https://wixlar.com/lottery>

3.11

Wixlar Free-Lancing

Wixlar Free Lancing Platform is a global online marketplace used by freelancers to offer their services to customers worldwide. Everyone can be a freelancer on Wixlar Free Lancing Platform and getting paid in Wixlar Coins .

<https://wixlar.com/free-lancing>

3.12

Wixlar Rewards

Wixlar Rewards provide a way to receive free Wixlar Coins through executing a number of easy tasks and assignments .

<https://wixlar.com/rewards>

3.12.1

Marketers and Authors Rewards

Marketers and Authors that achieve certain targets will be rewarded with Wixlar Coins. Stake Holders with certain amount of Wixlar Coins are eligible for one of the top rewards such as Wixlar Smart Phone, Wixlar Smart Tablet, Wixlar Smart Watch.

3.12.2

Stake Holders Rewards

For some investors that like to have their investment in a trusted place and get an annual interest, Wixlar Group allows users to stake any amount of coins available in their wallet for a duration in order to get 10% extra Wixlar coins annually.

This way Wixlar Coins become a great way to save and benefit from the variable price of the coins based on supply and demand, plus an annual interest (staking rate).

4. Wixlar ICO

The Wixlar Initial Coin Offering (ICO) issuance will fund trading, marketing and re-branding a new way to carry out local and global business using the development of credit payments with a cheaper and a faster solution than traditional wiring fees, paper work and transaction duration and providing anonymity and privacy control to allow its users to utilize their Wixlar Coins freely anywhere anytime without limitations.

<https://wixlarcoin.com>

4.1

The Opportunity with Wixlar Coins ICO

With the Cryptocurrency Market Capitalization of over \$170 Billion USD, the ICO will support funding the Wixlar Group in order to start the Road Map of Wixlar Coins and expand faster in the Cryptocurrency market. A minimum of 60% of all funds raised in the ICO will be used for building technology projects, funding small businesses and attracting more merchants, partners and investors.

This way when Wixlar Coin goes live, it will rapidly rise in price.

4.2

Allocation of Wixlar Coins

The number of Wixlar Coins is limited to 5,330,000,000 Coins, out of which 1,500,000 Coins will be available immediately in the ICO.

The remaining coins will be distributed among Rewards, Lottery Project, E-Shop Project, Future Partnerships and some kept in public safe in stake holdings, saved in digital authenticated safe wallets, and some on Global Exchanges to be exchanged in the long term according to the following figure;



Figure 7: Distribution Chart of the Wixlar Coins

ICO Stages and Bonuses

4.3

Wixlar ICO occurs in 5 stages, in each stage, you are eligible to buy early Wixlar Coins with better bonus specials than the next stage. Bonuses are available from Day 1 in the ICO;

Wixlar ICO Schedule

4.4

By the end of the ICO the Wixlar Website (Wallets, Academy, E-shop) will become available and the beginning of the manufacturing process of Wixlar Smart Products. The end of the ICO, is the starting of the Wixlar Website and for Wallets,

<https://Wixlar.com/ico> or <https://WixlarCoin.com>

Purchasing Methods

Wixlar Coins can be purchased using Bank Wire Transfer, Visa/Master Card, BitCoin BTC, Ethereum ETH and LiteCoin LTC through the ICO Website.

<https://WixlarCoin.com>

All funds will be received and held in multi-signature wallets to accomplish each step in the Road Map.





WIXLAR ROAD MAP

Q3 2017

- Partners Global Meeting and Assigning Legal Contracts
- Launching the Wixlar Group Company



Q4 2017

- Starting the programming process of Wixlar.com and Managing Wixlar services
- Emphasizing on Hashing Algorithms Research



Q1 2018

- Beta Testing of Wixlar Wallet Mobile Application
- Sponsoring and Participating in World wide Events
- Launching <https://Wixlar.com> with Multi-Languages.



Q2 2018

- Launching Wixlar ICO
- Wixlar Rewards and Wixlar Academy



Q3 2018

- Launching the Wixlar Coins and Wixlar Wallets
- Starting the Wixlar Innovative Letter of Credit Service



Q4 2018

- Launching Wixlar API & Accepting More Global Partners
- Wixlar Blockchain Smart Contract.
- API becomes available for e-commerce.



Q1 2019

- Wixlar Prepaid Card
- Wixlar Decentralized Cloud Storage Service



Q2 2019

- Wixlar E-shop with Exclusive Wixlar Technology Products
- International money transfers to any card available
- Smart Invoicing feature for developers



Q3 2019

- Launching the Wixlar Free-Lancing Platform
- Updating the Partners API
- Distributing the Stake Revenue for Annual Stakers



Q4 2019

- Mega-Launching of the Wixlar Smart Lottery service
- Expanding Collaborations with more Partners
- Manufacturing More Technology Products



“We have elected to put our money and faith in a mathematical framework that is free of politics and human error.”

Tyler Winklevoss, Co-creator of Facebook

