

A stylized globe of the Earth with a network of glowing blue and green lines overlaid on it, representing a blockchain network. The globe is partially obscured by a large, irregular shape that looks like a speech bubble or a document page, which contains the title text.

# WHITEPAPER

## Simplified Cryptocurrency for Blockchain Services



- No premine
- ASIC's Resistant
- Masternodes
- Governance

[www.zcore.cash](http://www.zcore.cash)

| AUGUST - 2018



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## 1 - INTRODUCTION

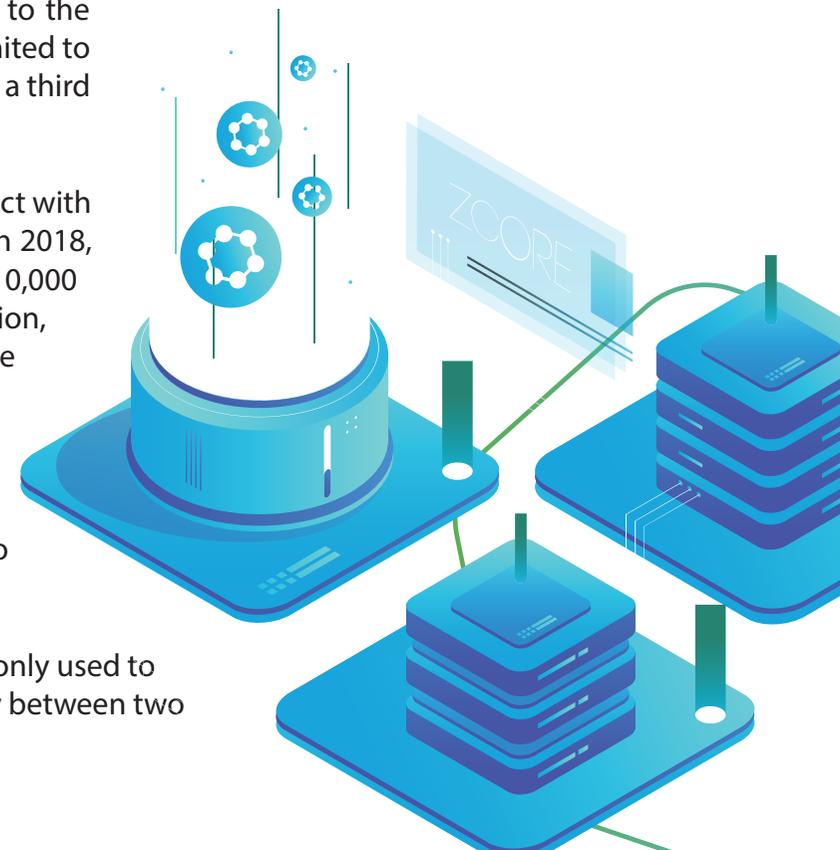
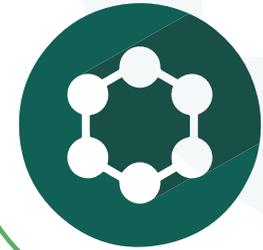
Cryptocurrencies, which are both a digital bearer asset and a payment system, like the first cryptocurrency, were developed with the main purpose to make possible exchanges between people, in the digital environment, in a totally decentralized way, in other words, without the intermediation of a trusted third party, usually a financial institution.

In this context, it is evident that, in addition to make possible direct exchanges from person to person in the digital environment, which is widely known as **peer-to-peer** (P2P)<sup>1</sup>, there is an expectation that these transactions will also be truly simplified, from a perspective of practicality and usability, in a way that anyone able to operate a smartphone and a messaging application, will also be able to perform transactions with cryptocurrencies, making this part of their daily routine.

Although the cryptocurrencies have, in general, successfully achieved the purpose of serving as a medium of exchange between people in the digital environment, it is certain that still remains the expectation of making this process truly simplified, allowing for all people, with much or less technology skills, full access to the emerging cryptocurrency market and its many benefits, which, it is important to note, are not only limited to cryptocurrency transactions and the possibility of safeguarding your own money without the need for a third party confidence, but also access to exclusive services and investments of this peculiar market.

It is precisely with this vision, to simplify and facilitate, at various levels and aspects, how people interact with the world and the technology provided by the cryptocurrencies, that **ZCore (ZCR)** was born in March 2018, that even with few months of full-activity, already has an engaged community of more than 10,000 participating members, and a powerful system for blockchain services, some already in full operation, such as the **ZCore Ads** service, a platform for sponsored ads in communication applications with more than 15 million downloads and 2 million monthly active users and payment in ZCore, and the **ZCore Masternodes System (ZMS)**, a platform specially created with the objective of making the experience of investing in masternodes of various cryptocurrencies as simple as possible, since this task required before significant technical knowledge of programming and commands, undoubtedly a huge obstacle for users with less technological knowledge that wish to have access to this type of investment.

[1] Term used in computer network architecture that indicates point-to-point connection. Also commonly used to define value transactions that occur without an intermediary. In this case, a buy/sell of cryptocurrency between two people, without using a brokerage house.





## 1 - INTRODUCTION

The good news is that the revolution started by ZCore, which is just beginning, will not be limited to the ZCore Ads and ZCore Masternodes System services. The boldness extends to the challenge of delivering to the crypto community, in October 2018, a powerful **Decentralized and Distributed Governance** structure that, through masternodes voting, will guide ZCore's future on important issues and will also evaluate and finance the best projects presented by any person or group in the community with the goal of leveraging currency growth, and thus promoting ZCore's ongoing and dynamic development in a highly competitive market.

Not enough, in January 2019, **ZChat - The ZCore Crypto Communicator** will be launched, the ZCore's official communication application which, in addition to serving as an instant communicator, of sending and receiving text messaging, audio, file and video, will also has the functionality of a built-in multiple cryptocurrency wallet through which it will be possible to make cryptocurrency transactions with the people in your contact list, in a simple, practical, and effective way.

Considering that currently 2 billion people do not have access to banks and financial services, according to UN data<sup>2</sup>, there is a sense of the immense growth potential for the cryptocurrency that will overcome the challenge of providing a multiplatform application with the characteristics of **ZChat - The ZCore Crypto Communicator**, reaching not only this population of 2 billion people today without access to financial services, but also a public dissatisfied with the services provided by financial institutions, and which is only waiting for a simple, practical and effective way of enjoying the numerous benefits provided by the innovative cryptocurrencies technology.

[2]

<https://nacoesunidas.org/onu-2-bilhoes-de-pessoas-nao-tem-acesso-a-bancos-e-servicos-financeiros/>





## 2 - PRESENTATION

### What Is ZCore Crypto?

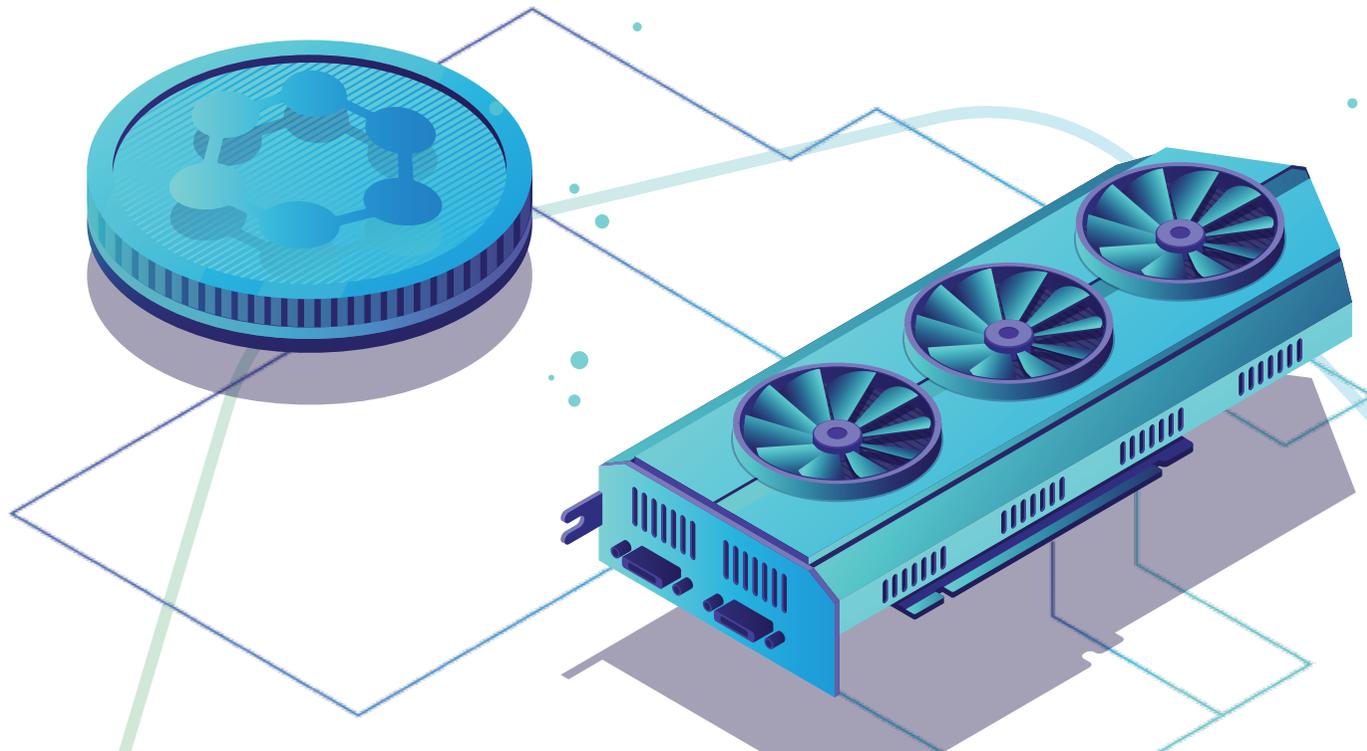
ZCore was born out of a desire to create a cryptocurrency that is truly accessible to everyone and revolutionize the cryptocurrency market. We believe that a truly useful currency is one that is easily used by anyone.

### Blockchain Technology

ZCore (ZCR) is 100% open source, with **PoW (Proof-of-Work)** mining based on the **NeoScript algorithm** and maximum supply of **18 million coins**. Structured in a robust network with **Masternodes** and **reward of 10 ZCR per minted block every 90 seconds**.

### Fast and Safe

ZCore is a cryptocurrency with a secure network to perform online transactions via **InstantSend** and **PrivateSend** with **maximum speed and security**.





## 3 - BLOCKCHAIN SERVICES

To this end, we have created an innovative Blockchain Services Platform, providing several applications for the ZCore.

### **ZCore Ads**

Mobile advertising plugin in mobile applications with automated payment through ZCore cryptocurrency.

Already impacting more than 15 Million users monthly.

<https://zcore.network/adsz.php>

### **ZCore Masternodes System**

The complete platform for your Masternode. Fast Install MN + VPS + Dashboard + Monitoring + Multiple Coins + Notifications (everything for \$0,25/day pay in crypto).

<https://masternodes.zcore.cash>

### **ZChat - The ZCore Crypto Communicator**

The world's first messenger communicator with multiple coins portfolio. We have created a global communication platform for cryptocurrency enthusiasts.

<http://zchat.io>

### **ZCore APP Wallet**

The smart wallet revolution of cryptocurrency on your iOS and Android smartphone. Send and receive ZCore in a simple, uncomplicated way and in the palm of your hand.

<https://zcore.app>

### **ZCore Payments**

Payments API to facilitate the purchase of products and services online with cryptocurrency. An extremely easy method for your site or application to receive payments on ZCore.

### **ZCore Governance**

Resource fund in cryptocurrency ZCore with a platform for making proposals, voting and execution of independent projects related to the coin's development.



## 3.1 - ZCore Ads

Mobile advertising plugin in mobile applications with automated payment through ZCore cryptocurrency. Already impacting more than 15 Million users monthly.

Website:  
<https://zcore.network/adsz.php>

The screenshot displays the ZCore Ads dashboard. At the top, there's a navigation bar with 'ZCore Network', 'Buy/Sell', 'Forum', 'Search', 'Masternodes', and 'Ads'. A 'Board Index' dropdown is visible. Below the navigation, the 'zAds' section features four summary cards: 'ANÚNCIOS 107' (red icon), 'VISUALIZAÇÕES 2514301' (green icon), 'CLIQUES 23398' (blue icon), and 'MÉDIA CTR 0.93%' (orange icon). A 'NOVO ANÚNCIO' section follows, with a 'NEW' badge and instructions: 'Crie um anúncio em nossos apps e pague com a criptomoeda ZCore. Você pode adquirir ZCores minerando ou comprando nas exchanges: <https://zcore.cash>'. The form includes four steps: 1. Título (Title), 2. Descrição (Description), 3. URL do Ícone (Icon URL), and 4. Botão de Ação (Action Button). To the right, a smartphone displays an app interface with a 'Google Primer' ad highlighted by red circles and numbers 1-4, corresponding to the form fields.

**1. Título**  
Digite o título do anúncio (máx 30 caracteres).  
ex.: Google Primer

**2. Descrição**  
Digite a descrição do anúncio (máx 144 caracteres).  
ex.: Lições Curtas de Negócios Lições no Seu Celular. Aprenda

**3. URL do Ícone:**  
Digite a url do ícone do anúncio.  
ex.: [https://cdn.dribbble.com/users/45689/screenshots/1760493/google\\_primer\\_tx.jpg](https://cdn.dribbble.com/users/45689/screenshots/1760493/google_primer_tx.jpg)

**4. Botão de Ação:**  
Digite o nome que vai ficar no botão de click, max 15 caracteres, somente uma palavra.  
ex.: Instalar, Acessar, Entrar, Conversar, etc...



## 3.2 - ZCore Masternodes System

The coinmarketcap currently represents (as of August 1, 2018) a total market capitalization of approximately 300 billion dollars<sup>1</sup>. This number is quite expressive, but considering that this market, according to US Senator Mark Warner, could reach 20 trillion dollars<sup>2</sup>, more than 60 times the present value, it is possible to have an idea of the still immense potential of growth of the cryptocurrency market in general, and in particular, a new coin such as ZCore (ZCR), with powerful blockchain services, among them the **ZCore Masternodes System (ZMS)**, a complete platform for the investors in masternodes, that allows, for a daily value of only \$0.25 with payment in ZCR, already including the cost of maintaining the VPS, the fast installation of masternodes of several coins in a friendly environment, with monitoring dashboard and notifications in real time, in other words, without the need of technical knowledge of programming and commands.

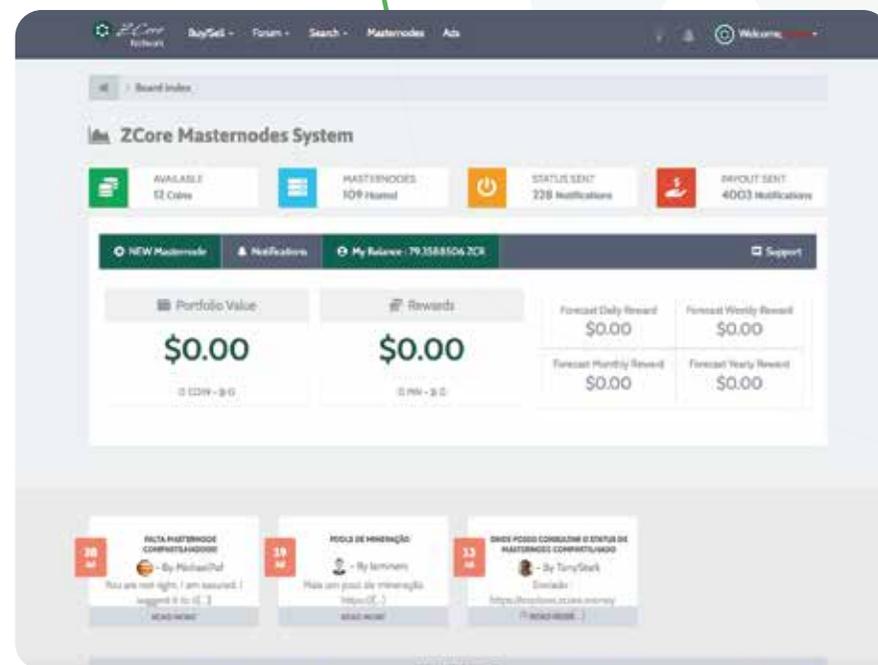
Among the various classifications applicable to cryptocurrencies, it is possible to separate them into two distinct groups, those that, like **Bitcoin**, have network architecture formed by normal nodes, and those that, like the cryptocurrency **Dash**, implemented a more robust network structure, based on masternodes (super nodes).

In a decentralized and distributed network, such as the Bitcoin network and other cryptocurrencies, a normal network node (server) has the basic functions of maintaining a complete copy of the blockchain and validating the new blocks and transactions. A masternode, in addition to performing these functions from a normal node, also provides instant and private transfer options via **InstantSend** and **PrivateSend** functions, respectively, which can only be provided by a server that is always active on the network 24 hours a day and 7 days a week, and also contributes to the system of governance of the cryptocurrency, through its participation and vote on relevant issues, which, due to its importance, is automatically and periodically remunerated by the network itself, which makes the masternodes a very attractive investment option.

This type of network architecture, based on masternodes, has been increasingly adopted by the new cryptocurrencies, so that according to data from the site **MasterNodes.online**, there are already more than 400 coins with this type of network structure, totaling a market capitalization of approximately 3 billion dollars, and thus, with this same perspective of growth of more than 60 times, the result would be a future volume of 180 billion dollars.

A good example of the exponential growth of cryptocurrencies with masternodes can be seen in the growth statistics of the number of masternodes in the last 5 months. Since February 21, 2018, when the monitoring carried out by the site MasterNodes.online started, there was an impressive increase of more than 300% in the total number of active masternodes, from 63,703 to 204,946<sup>3</sup>, thus demonstrating the strength of this new segment within the market of cryptocurrencies, of which ZCore is part.

And it is precisely this universe of more than 200,000 masternodes, more than 400 cryptocurrencies, and their respective owners, which ZCore Masternodes System aims to meet in an innovative and efficient way, through a simple and practical interface.



[1] <https://www.livecoinwatch.com/a>

[2] <https://www.express.co.uk/finance/city/915855/cryptocurrency-blockchain-bitcoin-ripple-senate-economy-banking-committee-mark-warner>

[3] <https://masternodes.online/masternodes-graph/>



## 3.3 - ZChat - The ZCore Crypto Communicator

The world's first messenger communicator with multiple coins portfolio. We have created a global communication platform for cryptocurrency enthusiasts.

We look forward to the future and embody the most demanded and necessary functions for the convenience of communication. Designed to handle poor connectivity, support offline messaging experience and file storage, and also build contact lists automatically!

### Coins transfer

Sending and Receiving coins has never been so easy, fast and secure on your smartphone.

### Code and own platform

Servers, code and own platform, designed for Android, iOS and Web version.

### Multi-cryptocurrency

Multiple cryptocurrency wallet in one place. Available coins: BTC, ZCR, DASH, SMART.

### Video calls in HD quality

Make high-definition (HD) video calls with our high-performance streaming video technology.

### Technology

Use MTPProto v2.0 binary protocol server-client encryption that is optimized for mobile networks.

### Large group chats

Groups with UNLIMITED members. Has no limits on the size of your chats.

### File sharing

Send documents of any type has no limits on the size and store in the cloud.

### Secure authentication

Secure authentication through single passwords via email or SMS.

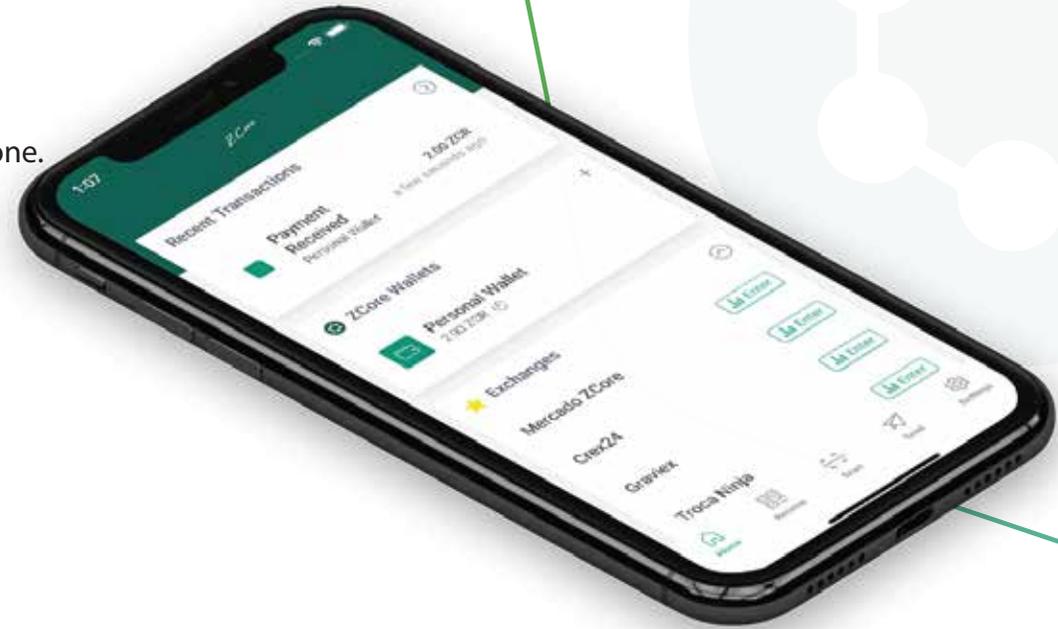




## 3.4 - ZCore APP Wallet

The smart wallet revolution of cryptocurrency on your iOS and Android smartphone. Send and receive ZCore in a simple, uncomplicated way and in the palm of your hand.

 [www.zcore.app](http://www.zcore.app)





## 3.5 - ZCore Payments

Payments API to facilitate the purchase of products and services online with cryptocurrency. An extremely easy method for your site or application to receive payments on ZCore.





## 3.6 - ZCore Governance

Resource fund in cryptocurrency ZCore with a platform for making proposals, voting and execution of independent projects related to the coin's development.





## 4 - TECHNICAL INFORMATION

- **Official name:** ZCORE
- **Ticker:** ZCR
- **Algorithm:** Lyra2z / PoW
- **Maximum Supply:** 18 million
- **Reward per block:** 10 ZCR
- **Block time:** 90 seconds
- **Diff Retargeting:** Dark Gravity Wave(v3)
- **Halving:** 4% for every 394,200 blocks (~ 1 year)
- **Masternode Collateral:** 5,000 ZCR
- **Block Reward Distribution:** 50% Miners / 50% Masternodes
- **Availability of** InstantSend and PrivateSend
- **Governance:** October/2018





## 5 - MASTERNODES

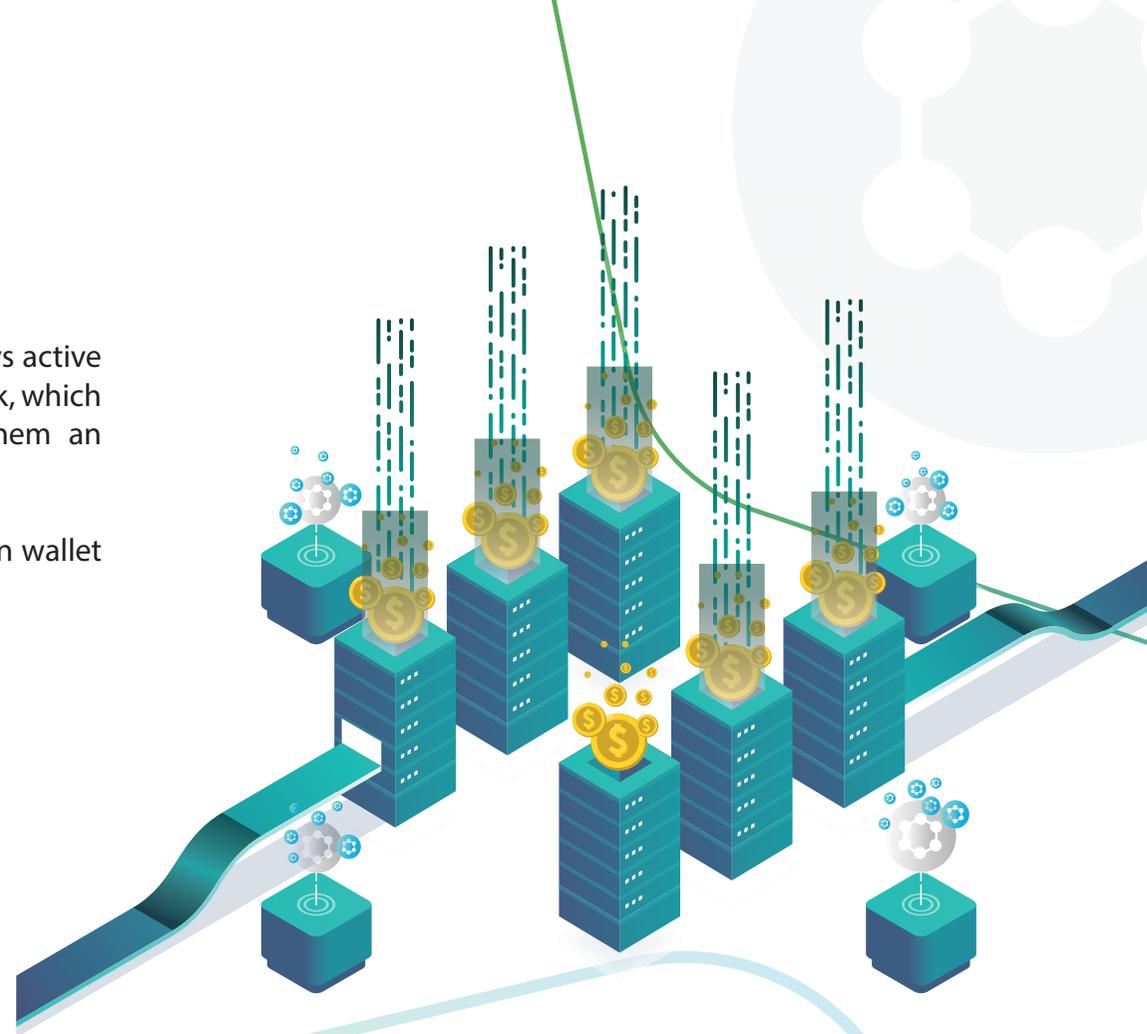
### ZCore Masternodes

ZCore is structured in a robust network with Masternodes that work as always active servers responsible for validating and accelerating transactions on the network, which are rewarded with 50% of mined coins in each block, which makes them an investment option.

In order to have a Masternode, it is necessary to keep 5,000 ZCores in an own wallet linked to the Masternode and server with fixed IP.

**Rewards: 50% of mined blocks**

**Masternode Collateral: 5,000 ZCR**





## 6 - ROADMAP

### **Sprint 1 - Release March/2018**

- Creation of the first Block
- Disclosure to the Community
- Mining Start
- Wallets Desktops
- Wallet in the Telegram
- BOT in the Telegram
- Block Explorer

### **Sprint 2 April/2018**

- Official Pool and Multiple Mining Pools
- Listing in Exchanges (Crex24 and Graviex)
- Listing in CoinLib
- Airdrops via ZapZap App
- Advertising with Youtubers
- P2P Catalog Listing
- Masternodes Activation
- InstantSend and PrivateSend Activation
- Listing in Livecoins

### **Sprint 3 May/2018**

- Listing in Masternodes.online
- BOT Telegram Redesign
- Advertising in Bitconf
- Advertising in ZChat App
- Key-Private Export Script
- ZCore Forum Launch
- New Block Explorer
- Listing in Coin Calculators
- Listing in Worldcoin Index
- Meetup Bitcoin SP

### **Sprint 4 June/2018**

- Listing in CoinGecko
- Exchange Mercado ZCore with pair BRL/ZCR
- Launch of Wallet ZCore App (Android and iOS)
- Listing in Coin Ranker
- Listing in Mintnodes
- Launch of ZCore Network
- Listing in NodeSupply Masternodes

### **Sprint 5 July/2018**

- Listing on MasternodeCoins
- Listing in Exchange NewCash
- ZCore Masternodes System (ZMS)
- Launch of Masternodes Website
- Inclusion of First Coins in ZMS
- Listing in Live Coin Watch
- Listing in LatamCoinCap

### **Sprint 6 August/2018**

- New Site Launch
- New Roadmap/Whitepaper Launch
- Shared Masternodes Management System
- Inclusion of new coins in ZMS
- Listing in Exchange Troca Ninja
- Team Expansion
- Dashboard and KPIs of the portfolio
- Launch of the new Wallet
- Official ann of fork for Lyra2z algorithm
- Launch of the ZChat Communicator site

### **Sprint 7 September/2018**

- Payment API
- National Event Sponsorship
- Payment of Bills, Tickets and Cellular Recharge
- National Exchange Inclusion
- ZCore Ads Site Launch
- Release of Governance website

### **Sprint 8 October/2018**

- Decentralized Governance
- Rewards Changes: 45% Masternode / 45% Miner / 10% Governance
- Crypto Advertising Connector
- Add ZChat Communicator project in Governance
- Coin Voting for ZChat Communicator

### **Sprint 9 November/2018**

- Sponsorship of National Event
- Inclusion in Exchange International
- Partnership with P2P Investors
- ZChat Videos and Screens

### **Sprint 10 December/2018**

- Final Tests in ZChat Communicator
- Marketing Campaigns

### **Sprint 11 January/2019**

- Release ZChat Crypto Communicator
- Listing in CoinMarketCap
- Releasing of Extended Roadmap 2019
- Listing in Decentralized Exchange

## 7 - CORE TEAM



**Erick Costa**

- ZCore Founder & Developer
- ZapZap Messenger Creator & Developer (10 Millions downloads)
- ZChat Messenger Creator & Developer (7 Millions downloads)



**Otávio Lima**

- ZCore Cofounder & Business Development
- ARbook App Creator & Founder
- Inbox Media Creator & Founder
- Digital Signage Brasil CEO
- Silicon Valley Plug and Play Acceleration



**Matheus Santos**

- ZCore Developer Back-end
- C++ Programmer
- Pascal Programmer
- Web Programmer

## Advisors



**Rafael Steinfeld**

- Legal Advisor
- Bitwolf CEO
- Investor and cryptocurrency enthusiast



**Ozéias Pereira**

- Legal Advisor
- Crypto market researcher and its legal and technological aspects



## 8 - LINKS

### **Website:**

[www.zcore.cash](http://www.zcore.cash)

### **Wallets:**

[www.zcore.cash/#wallets](http://www.zcore.cash/#wallets)

### **Explorer:**

<http://explorer.zcore.cash/>

### **Mining Pools:**

<https://zcore.network/viewtopic.php?f=24&t=10>

### **Telegram BOT**

<https://t.me/ZCoreBot>

### **ZCore Network**

<https://zcore.network/>

### **APP Wallet Mobile Light**

<https://zcore.app/>



## 9 - COMMUNITY

### **Discord Group:**

<http://discord.zcore.cash>

### **Twitter:**

<https://twitter.com/ZCoreCrypto>

### **Telegram Group:**

<https://t.me/ZCoreMiners>

### **ANN Bitcoin Talk:**

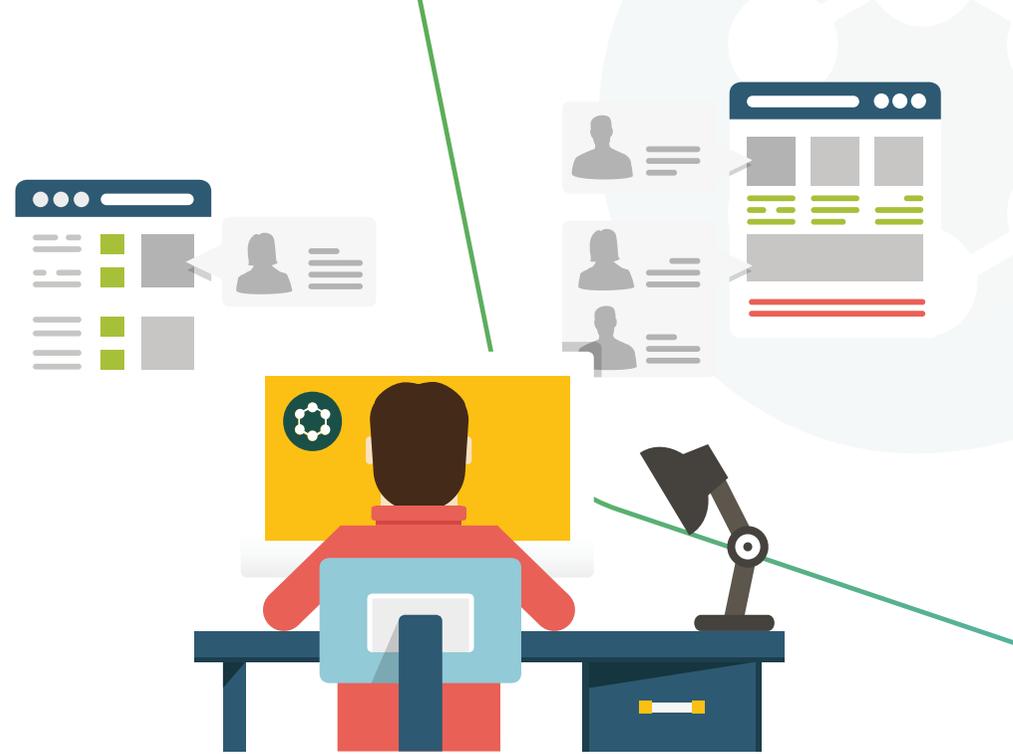
<https://bitcointalk.org/index.php?topic=3181879>

### **Github:**

<https://github.com/zcore-coin>

### **Telegram Channel:**

<https://t.me/ZCoreCrypto>





## 10 - GLOSSARY

**Bitcoin:** is the first cryptocurrency, with an innovative concept of decentralized and distributed network architecture to serve as a payment system, without the need for a trusted third party, and whose technology was first presented in 2008 in the discussion forum "The Cryptography Mailing" by a programmer (or group of programmers) under the pseudonym Satoshi Nakamoto.

**Blockchain:** it is the technology that came together with Bitcoin, and that is the foundation of the technological structure of all cryptocurrencies, without which they could not even work. It consists of a decentralized database distributed by numerous servers (nodes) in the form of a chain of blocks. In this database are recorded, as is done in a ledger, all the transactions carried out in the cryptocurrency network.

**Blocks:** these are the "links" that form the blockchain of a certain cryptocurrency, in which information about transactions carried out on the network (debit and credit registers) is inserted, each block being the equivalent of one page of an immense ledger. In the blockchain of Zcore is added, on average, a block every 90 seconds.

**Collateral:** is a certain amount of crypto coins that an investor must deposit and keep intact as a reserve in a separate wallet of his property, so that he is then able to set up a new cryptocurrency's masternode whose network is structured with this type of server. In the case of Zcore, the amount required by the system is exactly 5,000 Zcores.

**Cryptocurrency:** it is both a digital bearer asset and a payment system in the digital environment of the internet, and it allows people to carry out transactions directly between themselves (operations known as peer-to-peer or P2P), in other words, without the need for intermediation of a third party, usually a financial institution.

**Dash:** it is the first cryptocurrency to develop and adopt the network architecture based on masternodes (super nodes) and not on normal nodes, as it happens in the Bitcoin network, which, consequently, makes the network in general more robust and resistant to possible attacks, especially because of the expected commitment of the masternodes to be always active, 24 hours a day and 7 days a week.

**Exchange:** it is a service provider on the Internet, through which a complex technological system, which can be centralized or decentralized, is offered to the registered users an environment of negotiations in which they can carry out exchanges between numerous cryptocurrencies or even exchanges between cryptocurrencies and fiat money, and according to the intensity of the buying and selling forces the quotations are formed in currency pairs, such as the ZCR/BTC pair (Zcore versus Bitcoin).

**Instant send:** is a function provided by the masternodes, which if activated by the user of the network, with the payment of a small additional fee, allows the instant sending of crypto coins to the receiver, even before inserting the transaction record in a block of the blockchain.

**Masternode:** in addition to performing the functions of a normal node (server), in other words, maintaining a complete copy of the blockchain and validating the new blocks and transactions, it also provides the users of the network with the options of instantaneous and private transfers, which can only be provided by a server that is always active on the network, 24 hours a day and 7 days a week, and also contributes to the cryptocurrency's governance system by participating and voting on relevant issues.

**Mining:** it is a complex process in which, with the use of hardware with significant computing power, in the context of a set of rules and logical procedures perfectly defined by a certain algorithm (mathematical formula), the solution of a mathematical problem is sought proposed. In the network of Bitcoin and Zcore, when reaching the solution of this problem, one for each block of the blockchain, obtains the so-called "Proof of Work", and consequently a reward in crypto coins for the miner or group of miners that find it. It is in the mining process that the new blocks of the blockchain are formed, in which all transactions of the network are recorded.

**P2P:** Term used in computer network architecture that indicates point-to-point connection. Also commonly used to define value transactions that occur without an intermediary. In this case, a buy/sell of cryptocurrency between two people, without using an exchange.

**Pool:** is a voluntary grouping of miners who unite for the purpose of cooperating with each other, joining their individual computer processing forces, thereby increasing the likelihood of success in the task of obtaining the so-called "Proof of Work", and their the respective reward in crypto coins, which when achieved is divided among the miners of the group in proportion to the hashing power with which each one contributed.

**PoW:** an abbreviation for the expression "Proof of Work", which consists of a protocol that is easily verified by the nodes (servers) of the cryptocurrency network, a data that satisfies a predetermined requirement and is difficult (costly, time-consuming ) of producing. In practice, several attempts and errors occur in the so-called "mining process" before a valid proof of work is generated.

**Private send:** is a function provided by the masternodes, which if activated by the user, with the payment of a small additional fee, allows the sending of crypto coins to the receiver in an anonymous way, and thus, provide another mechanism for preserving privacy in the network.

**Rewards:** the remuneration received by the masternodes, in crypto coins, by the network in which they act as a server, automatically and periodically, due to the importance of the work they perform, 24 hours a day and 7 days a week, which makes the masternodes a very attractive investment option.

**Wallet:** this is basically a digital recipient in which a user can store his or her crypto coins, just as he would store cash and coins in a normal wallet, which recipient has one or more unique and public receiving addresses generated by the cryptocurrency's blockchain, and managed through a mobile application, a computer program, or a cloud system on Internet.