



**GINcoin**  
the turnkey masternode coin

A decorative background featuring a network diagram with nodes and connecting lines, primarily in shades of blue and grey, positioned in the top-left and bottom-right corners of the slide.

# GINcoin Overview

GINcoin, with its GUI-based Masternode deployment platform enables crypto investors to set up their own Masternodes regardless of their technical skills and experience in working with servers and programming languages.



# Foreword

About GINcoin, cryptocurrencies  
and Masternodes

# Foreword

## What is a cryptocurrency?

A cryptocurrency (or crypto currency) is a digital asset designed to work as a medium of exchange. Cryptocurrencies use cryptography (hence the name) to secure transactions, control the creation of additional units, and verify the transfer of assets.

The control mechanisms of cryptocurrencies are decentralized and managed through a blockchain (a form of public transaction database) that works as a distributed ledger.

The decentralisation aspect is what sets them apart the most from most other types of currencies (especially fiat currencies).

## What are Masternodes?

From a technical point of view, a masternode is a computer (server) with a publicly available IP address.

A Masternode is simply a cryptocurrency full node or computer wallet that keeps the full copy of the blockchain in real-time.

Masternodes are active members in a coin's transaction network that meet certain criteria, the most important of which is a set amount of collateral capital locked in a dedicated wallet.

# Foreword - What are Masternodes?

## Wallets

There are 2 types of wallets that can be used:

- ⦿ **Hot wallets**

Hot wallets are stored on the server itself and are connected to the internet. This makes them more susceptible to being broken into than cold wallets.

- ⦿ **Cold wallets**

If a wallet is stored on a computer that's not always connected to the internet (or on a storage device like the Ledger Nano)

## Similarities to savings accounts

Throughout their short history, masternodes have been compared to savings accounts - they play an important role in the coin network and those who create and maintain them get rewarded for their efforts - much like a bank offers savings with varying interest rates to encourage people to hold their money with it.

## Nodes vs Masternodes

Masternodes are considerably different in their functionality than normal nodes.

Apart from keeping a copy of the full blockchain in real-time and relaying blocks/transactions, just like a full node does on the Bitcoin network, Masternodes fulfill other functions as well:

- ⦿ Increase the privacy of transactions
- ⦿ Enable users to instantly send funds to one another
- ⦿ Participate in governance/voting
- ⦿ Some serve the role of a treasury in some coin networks

A decorative background consisting of a network of interconnected nodes and lines, resembling a blockchain or distributed network structure. The nodes are represented by circles of varying sizes and colors (light blue, dark blue, grey), connected by thin lines. The network is more dense in the top right and bottom left corners.

## Foreword - Why are Masternodes good for Crypto?

### Increased decentralisation

Through the functions mentioned above, Masternodes ensure cryptocurrencies remain as decentralised as possible, counterbalancing the inherent centralisation mining pools introduce. At the same time, Masternodes help increase the scalability of the network and can be used as a means of voting on a coin's developmental decisions - much like what happens in your usual corporation when shareholders are asked to weigh in on policy or direction changes.

### Decreased energy costs

On top of all of this, Masternodes are useful because they compensate for proof of work's (POW) limitations and ensure a network's security with much lower energy costs. In a sense, a POW-based coin that supports Masternodes is a mixed breed between a pure POW one and a POS (proof of stake) coin.

### Better security

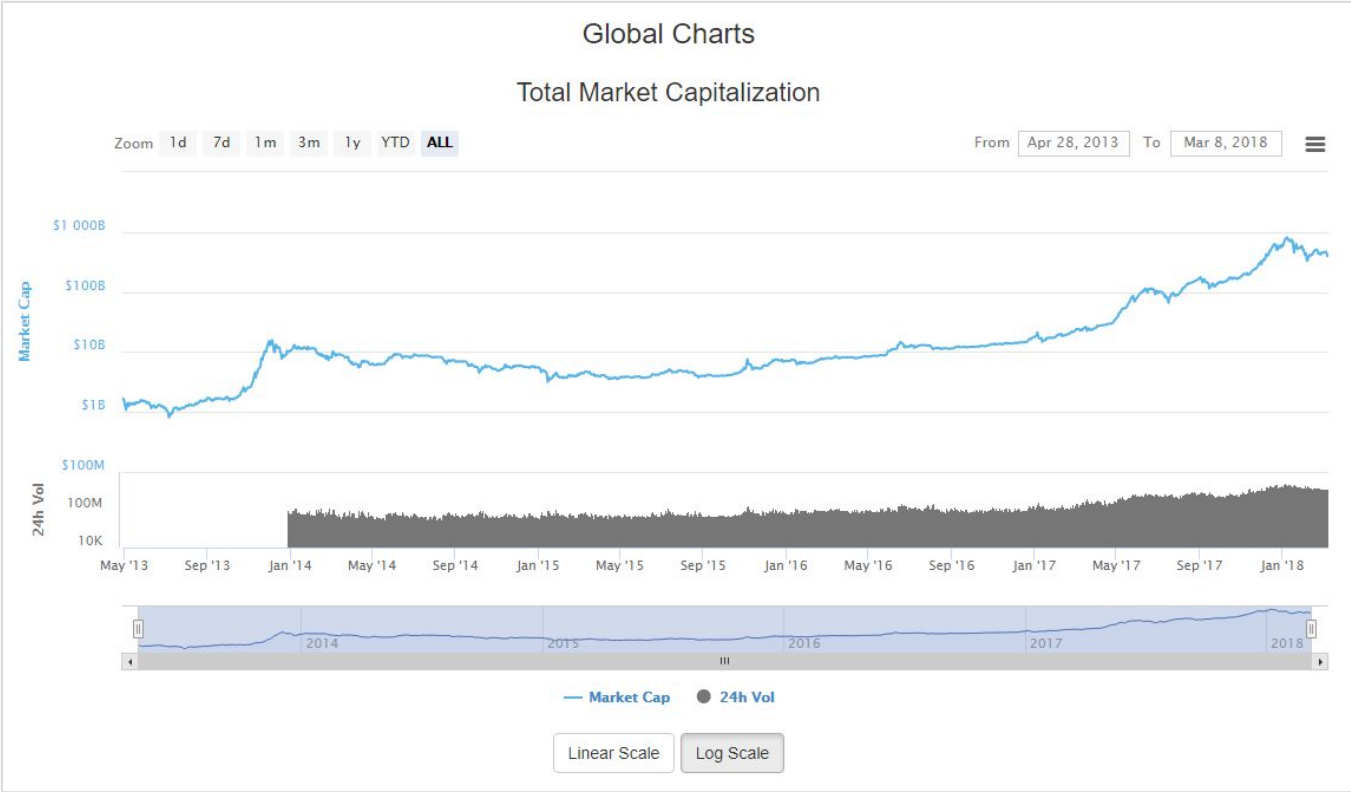
Because Masternodes require capital to be deployed, their owners are directly interested in keeping the network as secure as possible. As such, Masternodes are designed to keep miners in line - for instance, Dash Masternodes keep a close eye on the POW network (the miners) and reject/orphan blocks if they don't match the current version of Dash or if they detect reward tampering.



# State of affairs

Market caps & growing interest

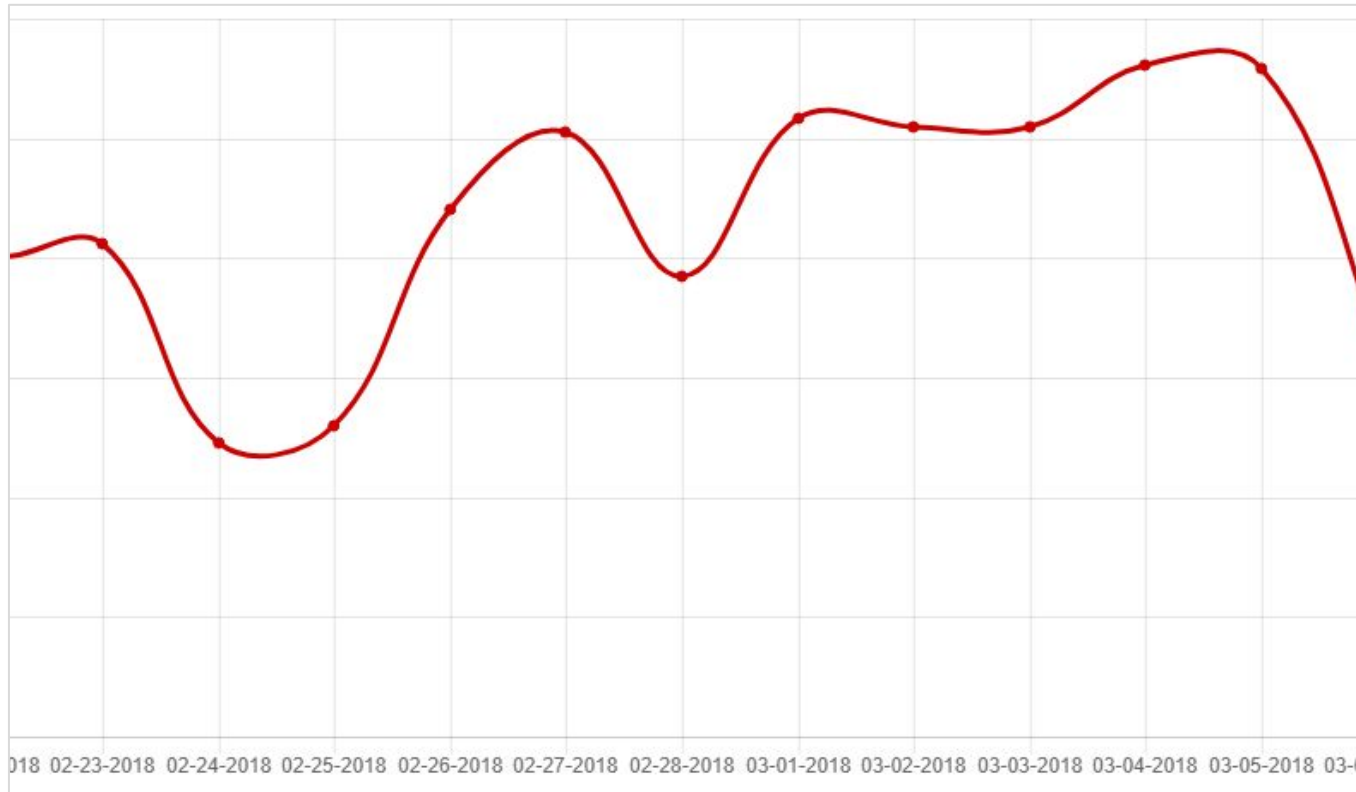
# State of affairs - market status and size



After a bumpy start of the year, the cryptocurrency market sits at **USD 407,868,000,000** according to CoinMarketCap.

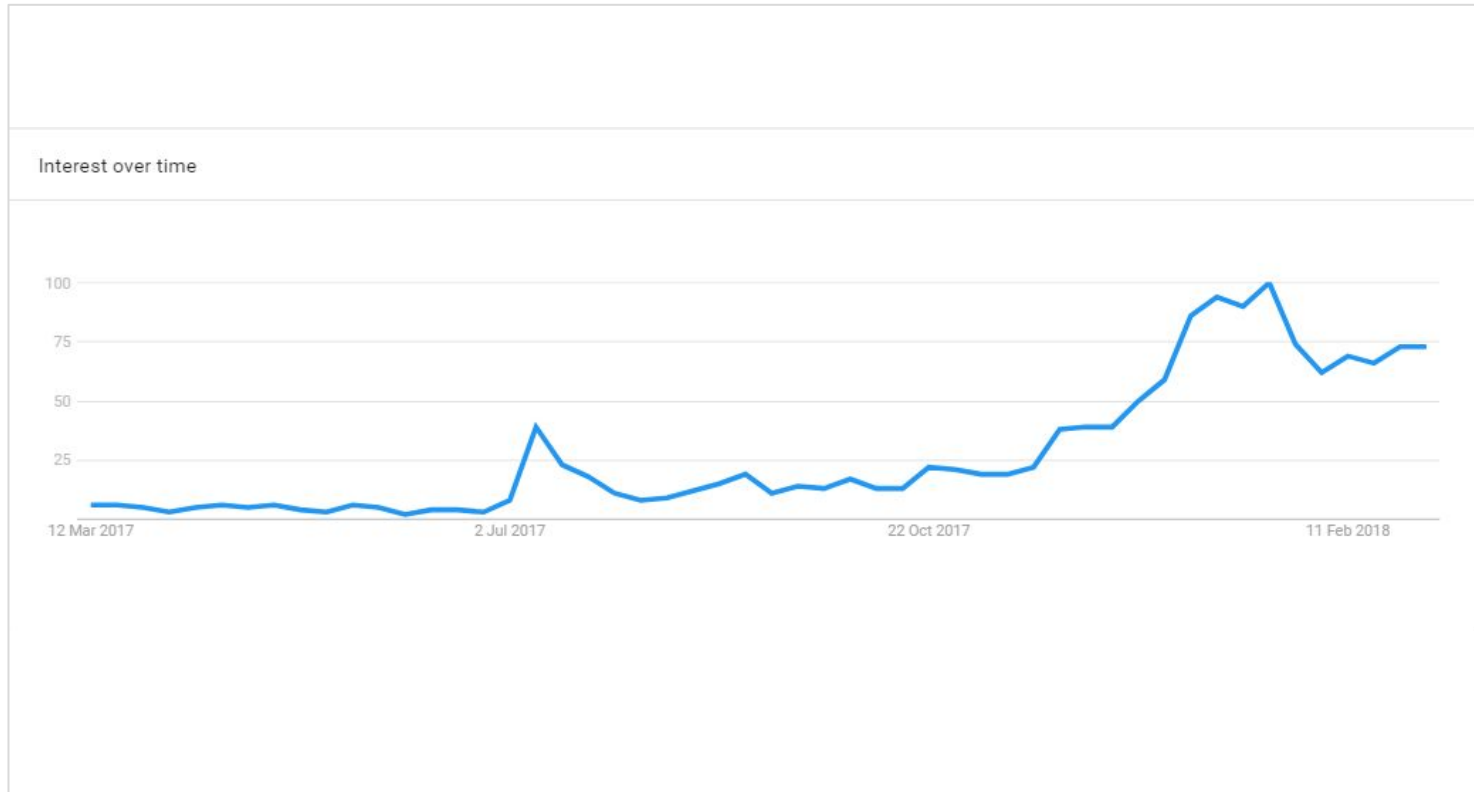


## State of affairs - market status and size (Masternode-ready coins)



At the time of writing, MasterNodes.online estimates placed the total worth of existing MasterNodes around **USD 3,059,849,565** and a marketcap of **USD 5,708,184,848** after a very recent drop of roughly 16%.

## State of affairs - interest in Masternodes



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# The problem(s)

Masternodes and people are  
complex machines

## The problem(s)

GINcoin aims to solve two big issues that are currently holding Masternode coins back and impeding their rightful ascent:

1. Deploying and running a Masternode requires significant technology know-how:
  - a. Deep understanding of the blockchain
  - b. Launching & maintaining a server
  - c. Setting up of masternode software
2. Setting up a Masternode requires considerable financial efforts (and, as detailed below, trust)

The two problems force investors to rely on Shared Masternode groups and schemes, usually lead by a developer willing to do the work in exchange for a share of the Masternode (or its generated rewards).

This forces a trustless-system to work in a trust-dependent way, and not few are the cases where ill-intentioned individuals scam investors and keep the collateral for themselves.

A background graphic consisting of a network of interconnected nodes and lines, rendered in a light gray color. The nodes are represented by small circles, some of which are larger and have a double-circle effect, suggesting a central or more significant node in the network. The lines connecting the nodes form a complex, web-like structure that is more dense on the left and right sides and sparser in the center.

# GINcoin

Trustless, Codeless Masternode  
Deployment

# GINcoin - Trustless, Codeless Masternode Deployment

## Overview

GINcoin was built as a direct consequence of the problems stated before. With its GUI-based Masternode setup, the only hurdle investors may be faced with when looking to own a Masternode remains the financial one - securing enough collateral to actually deploy the node. However, not even that will remain a valid problem for much longer - our roadmap includes shared Masternode support for all partner coins.

GINcoin is a peer-to-peer cryptocurrency that, on top of Bitcoin's features, supports instant transactions (InstantSend), private transactions (PrivateSend) and Masternodes. It is based on Dash.

## Masternodes

Similar to Dash, GINcoin uses a two-tiered network - miners, the first tier, handle creating new blocks, whereas the PrivateSend, InstantSend and Governance functions are handled by the second tier network made up of Masternodes.

Masternodes require 1,000 GIN as collateral to prevent sybil attacks (wherein a peer-to-peer network's reputation system is compromised by entities with forged identities). The collateral can be spent at any time, but that subsequently eliminates the masternode from the network.

## PrivateSend

At its core, PrivateSend is a service that mixes users coins with others' coins before sending them to a wallet, to ensure their anonymity. It is based on CoinJoin, to which it adds multiple modifications such as relying on masternodes rather than on a single website, chaining by mixing with multiple masternodes and restricting the mixing to only accept certain denominations, and passive mode. The maximum allowed for a PrivateSend transaction is 1000 GIN (just like with Dash).

# GINcoin - Trustless, Codeless Masternode Deployment

## InstantSend

Reliant on the Masternode network, InstantSend is allows for near-instant transactions - through it, inputs can be locked to specific transactions and verified by consensus of the masternode network. Conflicting transactions and blocks are rejected. If a consensus cannot be reached, validation of the transaction occurs through standard block confirmation. InstantSend solves the double-spending problem without the longer confirmation times of other cryptocurrencies (e.g.: Bitcoin).

## Blockchain technical information

<b>Mining algo.</b>	Neoscrypt (ASIC resistant)
<b>Block time</b>	2 min
<b>Block reward 20 GIN</b>	50% MasterNodes / 50% miners
<b>Masternode collateral</b>	1,000 GIN
<b>Total supply</b>	10.5M GIN (2040)



# GINcoin - Trustless, Codeless Masternode Deployment

## **A GUI-based Masternode Deployment Platform**

The coin itself is a close sibling of Dash's. Where GINcoin truly shines is its codeless masternode deployment platform. The platform itself is web-based and relies on open source technologies such as Docker, Kubernetes, Node.js, Angular.js and Linux.

Setting up a Masternode is simple and straightforward, as shown in the screenshots below, which cover the first two steps.





## My Masternodes

ID

### Create Masternode

Blockchain

- Select blockchain -

The blockchains in this list are supported by the GIN platform. New blockchains will be supported soon.

Hosting payment option

BCH - Bitcoin Cash (lower fees, confirms faster than BTC)

Expires

2018-03-30T17:42:22.000Z

Create Masternode

Close Continue

## Masternode:

Masternode is building (status: **Waiting payment**)...

Server payment

A payment is required for starting up your masternode. Use the details below to send your payment, the process will continue automatically after the payment is detected in the mempool (usually instant).

Hosting period	28 days starting at the payment confirmation
Payment method	BTC
Address	
Amount	<b>0.00113058</b> - use exactly this amount, no more, no less

← Back to Dashboard Cancel

# Internal economy

## Self-sustaining

The coin itself will derive value from the platform that it maintains. Aside from free trades on exchanges, GIN will be used by our community to cover:

- ⊙ Masternode hosting fees
- ⊙ Masternode setup fees
- ⊙ Shared masternode setup fees

## Beneficial to other coins

As such, GIN not only relies on other Masternode-compatible coins, but also helps them grow faster by enabling investors from all walks of life to create, maintain and invest in Masternodes.

# Roadmap for GIN

## your masternode assistant

Just 2 weeks after its official launch, GINcoin has already covered most of its core-features roadmap.



A background network diagram consisting of various sized nodes (circles) connected by thin lines, some solid and some dashed, creating a complex web-like structure. The nodes are in shades of grey and blue.

1.

# **GINcoin Masternodes ✓**

The GIN network is the first implementing our one-click masternode setup technology

Feb 2018



2.

# Platform and User Interface ✓

Online graphical UI for creating, managing and monitoring MNs for the different supported coins.

Mar 2018

A decorative background consisting of a network of interconnected nodes and lines, resembling a blockchain or data network. The nodes are represented by circles of varying sizes and colors (grey, blue, white), connected by thin grey lines. The network is more dense on the left side and becomes sparser towards the right.

3.

# 3rd party Masternodes ✓

Other blockchains with  
masternode technology will be  
welcomed on-board

Mar 2018



4.

# Daily Rollouts

Start of Daily rollouts of new  
Masternode coins

Mar 2018



5.

# Shared Masternode support

Platform support for shared masternodes setup facilitating participation in expensive masternodes (e.g. Dash)

Aug 2018



## Our Mission & Vision

GINcoin aims to provide cryptocurrency investors with an easy way of creating and deploying their own masternode(s) - regardless of their technical abilities.

Our ultimate goal is to democratise the way masternodes are created and, as an effect, prove crypto is here to stay - by making it more secure and more user-friendly than paper money.

# Let's do this!

You can find us on:

- © [contact@gincoin.io](mailto:contact@gincoin.io)
- © <https://discord.gg/RTgVNxR>
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