

# AEGEUS

## **Whitepaper Publication**

### **Secure Distributed Data Management Using IPFS**

V 5.1 September 2018

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## Prelude

The notes within this Whitepaper publication are intended to formally document the concepts, vision, and features of the Aegeus cryptocurrency. This document will explain in a methodical manner, the details of Aegeus coin, its structure, purpose, and associated Masternode/Staking benefits.

Before downloading any of the Aegeus wallets and purchasing the coin, we urge people to thoroughly read through and understand this document in its entirety.

It is important to note that Aegeus is not a security-based coin nor are there any guarantees or promises relating to the increase or decrease in value of the coin over any period of time.

This coin, AEG is to be purchased solely at the discretion of the purchaser and any technology outlined in this document is primarily experimental and does not bring with it any guarantees or certainties in regards to operation and intended purpose.

We hope you enjoy the AEG Whitepaper and if you have any questions in regards to it, please join our discord group or simply email us at - [contact@aegeus.io](mailto:contact@aegeus.io)



## Introduction

Aegeus is a Bitcoin-based cryptocurrency with a focus on privacy, decentralization, data storage, distribution, and security.

Aegeus utilizes an energy efficient Proof of Stake (PoS) model and a masternode network, promoting key community-based governance that focuses on sustainability, community cohesiveness and network stability.

Aegeus is a form of online digital money that can easily be transferred all around the world in an instant with zero transaction fees. It is not owned or governed by any single person or organization and it is secured by a network of nodes that are spread across the globe.

The long-term goal at Aegeus is to become an advanced Data Storage decentralized network that is private, secure and attractive to business merchants and users worldwide.

Aegeus aims to be a very practical utility coin for both data users and storage node owner across the global network.



## **Aegeus Features**

Aegeus is an anonymous Peer-to-Peer cryptocurrency that offers up to 37% per annum to masternodes and stakers who support the network. Aegeus is a PoS coin. As the circulation of the coin is always increasing, this figure is not fixed.

Aegeus is perfect for merchants as it has almost zero transaction fees due to the highly efficient PoS model. Swift TX allows superior transaction speeds which are perfect for micro-transactions between wallet holders.

Aegeus is based on PIVX, which drew its inspiration from Dash, a project that has solved many of the problems in Bitcoin by speeding up transactions times, offering solid privacy solutions and boasts a decentralized governance funding system.

Aegeus has a highly active, accessible and responsive development team who listen to the community in order to develop more streamlined and efficient technologies for the Aegeus community.

In the near future, Aegeus proposes to integrate data storage and distribution blockchain features suitable for both private and business users embracing IPFS technology, a protocol that uses key hash identifiers in order to safeguard user data, thus preventing data compromisation.



**AEGEUS**  
[HTTPS://AEGEUS.IO](https://aegeus.io)

**TRUE PRIVACY**  
**MASTERNODES**  
**DATA MANAGEMENT**



**Incentivized Data Storage**

**AEGEUS**



## **Aegeus Masternodes**

Masternodes are nodes running the same wallet software on the same blockchain to provide extra services to the network. These services include coin mixing for increased privacy of transactions, instant transactions and a decentralized governance that provides a decentralized budgeting system with an immutable proposal and voting system.

For providing such services, masternodes are also paid a certain portion of reward for each block. This can serve as a passive income to the masternode owners minus their running costs.

The Aegeus masternodes are incentivized nodes that receive rewards based on their availability and their ability to offer network services in a decentralized and trust-less manner.

Running an Aegeus masternode requires locking 5,000 AEG collateral for as long as you choose to run the masternode. Masternode owners are allowed to vote on budget and development proposals.

Masternodes/Stakers are the backbone of the present and future services offer on the Aegeus network, and as such are rewarded at an equal level in comparison to normal wallet stakers. Masternode owners, however, have a significant governance role to play not only in the current Aegeus network but also as a key voice for future developments and the overall success of Aegeus.



## **Masternode Rewards**

To promote a rewarding ratio between staking nodes and masternodes in the network, the Aegeus team have developed a fixed reward balance system equally between staker and masternode.

Each Aegeus PoS block reward is split between the masternode owner and the staker in a ratio of approximately 10/10, 10 AEG to the masternode owner and 10 AEG to the staker. As the Aegeus network grows we are going to look at implementing an Automatic Balancing System (ABS) to prevent a centralization effect occurring. We want to maintain a healthy staker/masternode balance within the network as both are crucial to the stability of Aegeus.

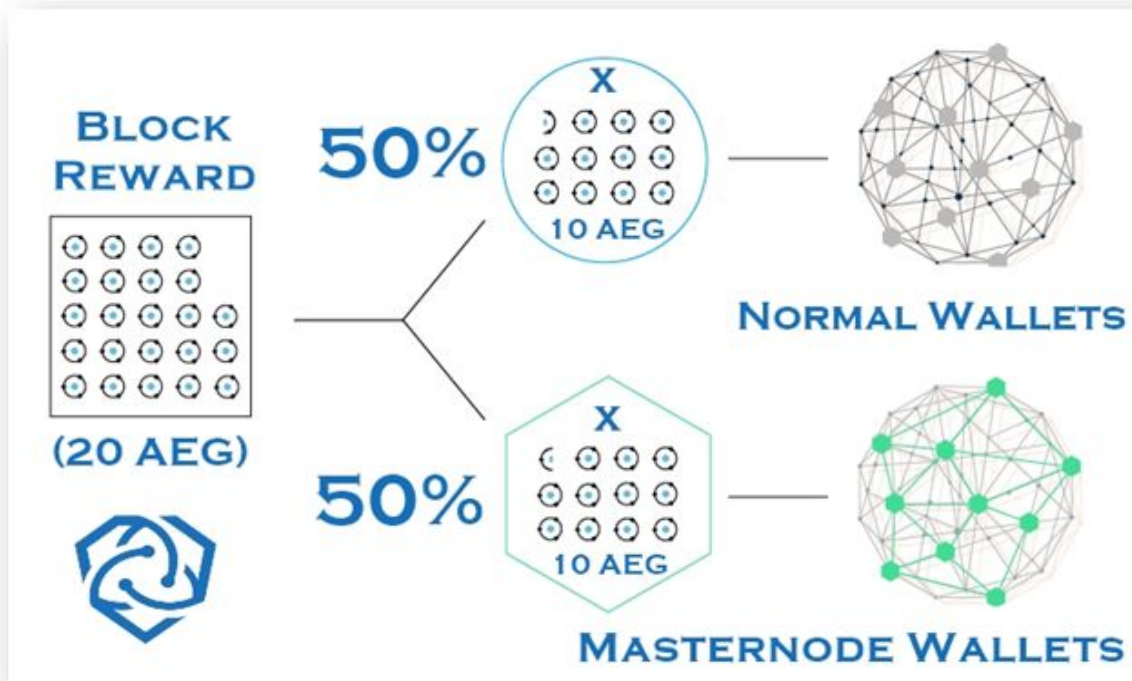
The logic of the ABS is simple; the higher the masternode count, the smaller the reward portion of each PoS block that will be paid out to the masternodes and the larger the reward portion for staking nodes.

Conversely, when the masternode count falls, the masternode reward portion is increased and the staking node reward portion decreased. This particular reward system may be implemented at some point in 2019. The community will be updated closer to the time.



## How the Reward System Works

Aegeus offers a very attractive masternode reward structure of up to 10 AEG per block and 10 AEG for the staker. This totals a block reward of 20 AEG.



When our current operations budget runs low, Aegeus will increase the block rewards to cater for this. This is to ensure that Aegeus can maintain operational costs and business expansion operations when needed. The exact block reward will be released via governance proposals within the first quarter of 2019.

## How IPFS Works



Each file and all of the **blocks within it** are given a **unique fingerprint** called **cryptographic hash**.



IPFS **removes duplications** across the network and tracks **version history** for every file.



Each **network node** stores only content it is interested in, and some indexing information that helps figure out who is storing what.



When **looking up files**, you're asking the network to find nodes storing the content behind a unique hash.



Every file can be found by **human-readable** names using a de-centralized naming system called **IPNS**.

# Technical Specifications

Coin Ticker: AEG

Default RPC: 56661

Default P2P: 29328

Coinbase Maturity: 30

TX Maturity/Spendable: 31 Confirms

Block Reward: 20 AEG

Block Time: 60 Seconds

Transaction Confirmations: 6

Minimum Stake Age: 1 Hour





## **Future Innovations**

### *Data Collaboration*

Users will not only be able to send and receive data between single based users, they will be able to send data to multiple users using a unique multi-send DCB command across the Aegeus network. This feature will be particularly useful for time efficiency and team collaboration. Team collaboration will never be as secure.

### *QT Wallet Redesign*

We will be re-designing our wallet look, feel and user interaction. This wallet design will create a foundation for our wallet services to come, including secure messaging, data management, and much more. The wallet re-design will have a more user-friendly interface, attractive colours, icons, and more.

### *Wallet Tab Proposal/Voting*

Aegeus users will have the ability to easily perform governance functions from within the Aegeus wallet. The re-design will cater for this although this feature will be added some time after the QT wallet delivery. Users can vote on all AEG proposals from within their wallet whether it's mobile or desktop based. There will be no more need to go to a website to carry out these actions.



## **Aegeus Safety**

### *Automatic Backup/External Storage Devices*

The Aegeus wallet will allow users to choose automatic backup locations such as external storage devices. This feature will be put in place in the second quarter of 2019.

### *Hardware Masternode Support*

Aegeus users will be able to store their private keys in a hardware wallet in an offline environment or cold storage device. This will provide the highest possible level of security to our users. All masternode collateral can be secured in a ledger device whilst earning rewards.

### *U2F Integration*

Users can protect their wallets against hackers by using both passwords and U2F security keys.

We can set up instructions for the most popular U2F devices.



## **Aegeus Ecosystem**

### *Solid Development*

The Aegeus foundation is solid and this can be seen by the very nature of our technical specification, community growth and interaction, and consistent work progress. The developers are very active in the support platforms and highly active with the entire Aegeus team including marketing, business development, and supporting departments.

### *Masternodes*

Aegeus masternodes are incentivized nodes that require a total collateral of 5000 AEG to set up. Masternode owners will also be able to vote on budgets and development proposals within the AEG network. Masternodes are the backbone of the current and future growth of Aegeus. They strengthen the entire network along with the staking community.

### *Privacy/Anonymity*

One of the most attractive features of Aegeus is the direction it's going in. Online privacy and security is a top priority for online merchants and network users. Aegeus offers secure and private transactions along with highly secure data sharing and storage for its users. With the demand for private and secure data channels



on the rise, Aegeus has already positioned itself as a leading player, utilizing the most secure technologies in existence; IPFS.

### *AEG Merchants*

Aegeus will have a number of merchants who will be accepting AEG as a form of payment for their business operations coming very soon. These businesses will range in industry niche and we have already been contacted by several to date. The Aegeus team will actively be setting up a department for this very purpose in the 4th quarter of 2018. Online merchants will initially be invited and we will spread to more offline based businesses subsequently. Aegeus aims to have a number of businesses signed up before the 1st quarter of 2019 and growing afterwards.

### *AEG Community*

As Aegeus grows, so too does its community. To date, we have a very supportive and large community. Aegeus aims to bring out more engaging tools, resources and technology over the coming 12-24 months that will raise the coin brand to more international standards.

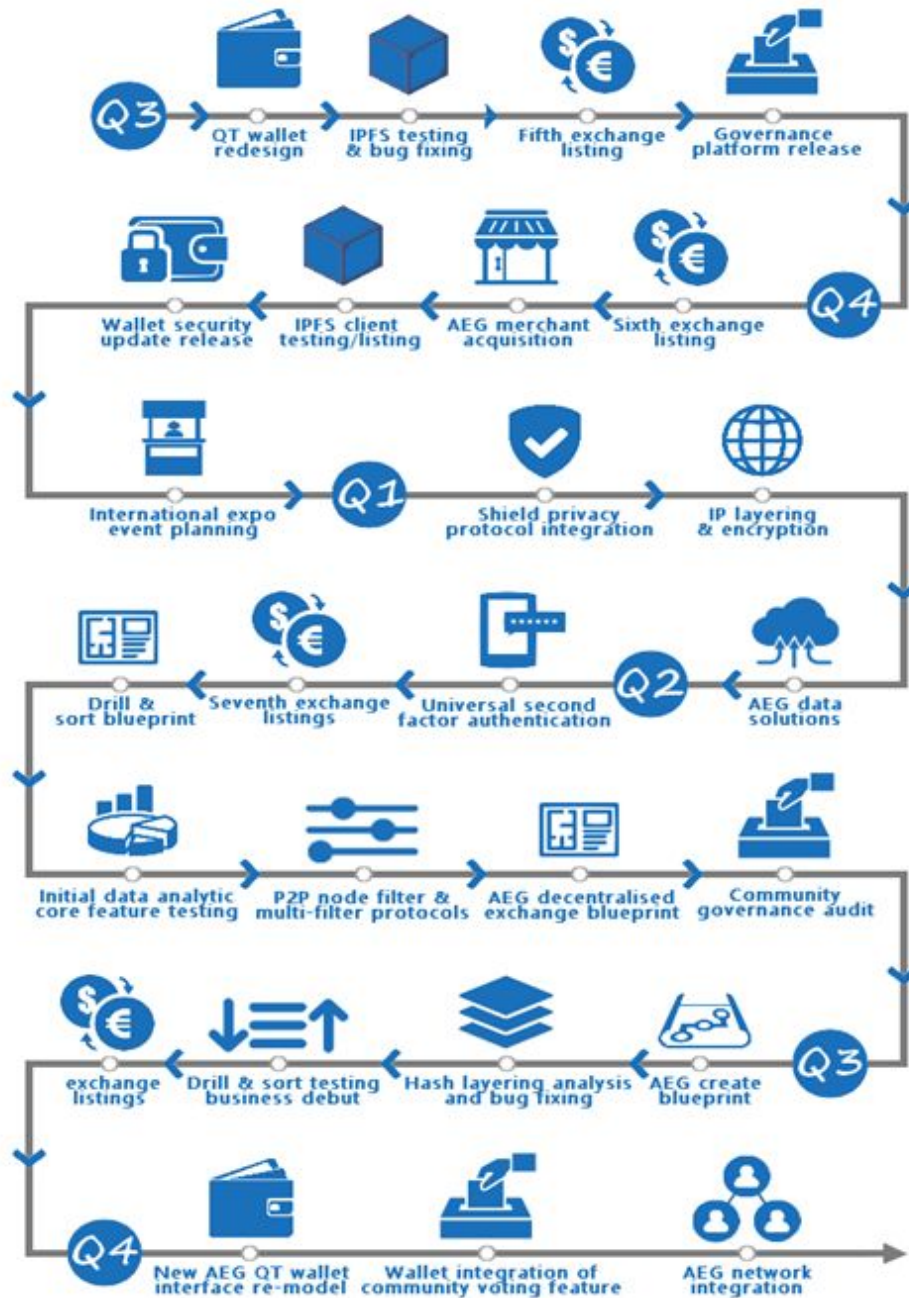


## Aegeus Features





## Aegeus Roadmap





## Conclusion

Aegeus, pronounced 'Ay-Gus' means 'Protection' or 'Shield' in Greek. Aegeus aims to provide a truly innovative, secure, and private cryptocurrency to the non-blockchain and cryptocurrency based world, for both network users and global merchants.

Aegeus prior to July 1st, 2019 sold from a 21 million supply pool to fund the project and future based developments. Up to 25% of this was reserved for marketing, operational costs and future development. All this was achieved without conducting an ICO.

As predicted and promised, multiple exchanges occurred after the coin sale, and unsold coins were burned after July 1st. Approximately 12 million coins were burned. Aegeus has done what it said it would do and is still doing it.

Our excitement now lies in achieving our roadmap goals. Although there will be times where individuals need time off, we will strive to meet these roadmap goals to the best of our ability. We would like to thank you for reading this Whitepaper and invite you to our discord rooms and other platforms.

For more information regarding Aegeus, partnerships, merchants applications, whitepaper or to speak to one of our team please visit [Aegeus.io](https://aegeus.io) or contact us at [contact@aegeus.io](mailto:contact@aegeus.io).



# AEGEUS

## Whitepaper Publication

### Secure Distributed Means of Sharing and Storing Data Using IPFS

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