



# AEGEUS

PRIVATE, SECURE  
BLOCKCHAIN DATA MANAGEMENT

**WHITEPAPER PUBLICATION**

V5.0 MAY 2018

[WWW.AEGEUS.IO](http://WWW.AEGEUS.IO)

# PRELUDE

The notes within this Whitepaper publication are intended to formally document the concepts and features of the **Aegeus** cryptocurrency.

This document will explain methodically, the details of the **Aegeus** coin, its structure, purpose and associated Masternode/staking/minting benefits.

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

# 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) protocol and a masternode network promoting key community based government that focuses on sustainability.

**Aegeus** is continuously working to establish itself as a more improved governance system in order to maintain its position as being a next-generation cryptocurrency.

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

Our long term goal here at **Aegeus** is to be an advanced data storage based digital currency that is fast, secure, decentralized, private and adaptable to business merchants worldwide.

# AEGEUS FEATURES

**Aegeus** is an anonymous Peer-To-Peer currency that offers up to 560% per annum staking rewards to those who support the **Aegeus** network.

**Aegeus** has almost zero transaction fees due to their high efficiency PoS model. This means it's perfect for micro-transaction business pricing models that previously existed using Bitcoin.

**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 transaction times, offering solid privacy solutions, and boasts a decentralized governance and funding system.

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

**Aegeus** proposes in the near future, to integrate powerful IPFS data storage and distribution blockchain features suitable for both private and business users, in order to safeguard their data and prevent data breaches.



# AEGEUS: THINKING DIFFERENTLY



## Masternodes

THESE ARE NODES THAT RECEIVE REWARDS BASED UPON THEIR AVAILABILITY AND THEIR ABILITY TO OFFER NETWORK SERVICES IN A DECENTRALISED MANNER.

RUNNING ONE OF THESE NODES REQUIRES LOCKING THEM FOR 5000 AEG COLLATERAL FOR AS LONG AS YOU CAN CHOOSE TO RUN THE MASTERNODE FOR.

YOUR AEG IS ALWAYS RIGHT BESIDE YOU AND YOU'LL BECOME ONE OF BACKBONE MEMBERS THAT CAN VOTE ON DEVELOPMENT PROPOSALS, PRESENT AND FUTURE PRODUCT/SERVICE OFFERINGS.

## PoS 3.0

AEG IS THE FIRST POS DATA STORAGE CRYPTOCURRENCY TO BE BASED ON THE VERSION 0.10 OR HIGHER BITCOIN CODEBASE.

THE POS STRUCTURE UTILISED DOES AWAY WITH THE COIN AGE, MEANING IN ORDER TO GET THE MOST OUT OF YOUR STAKING YOU MUST KEEP YOUR WALLET OPEN AT ALL TIMES, RESULTING IN MORE CONSTANTLY AVAILABLE NODES THUS STRENGTHENING THE AEGEUS NETWORK.

By KEEPING YOUR AEG IN YOUR WALLET AND ONLINE, YOU HELP SECURE THE NETWORK.

## SWIFTTX

INSTANT TRANSACTIONS:

SWIFTTX TRANSACTIONS ARE CONFIRMED AND SPENDABLE WITHIN SECONDS.

THEY ARE GUARANTEED BY THE NETWORK OF AEGEUS MASTERNODES.

THERE IS NO NEED TO WAIT FOR MULTIPLE CONFIRMATIONS IN ORDER TO BE CONFIDENT IN THE VALIDITY OF THE TRANSACTION.

THIS FEATURE ENABLES USERS TO PERFORM FASTER TRANSACTIONS THAN MOST OTHER COINS.

# 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 immutable proposal and voting systems.

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 cost.

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 a 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 are the backbone of the present and future services offer on the **Aegeus** network, and as such are rewarded at a slightly higher level in comparison to normal wallet stakers.

# 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, that strategically adjusts its block reward size between masternodes and staking nodes.

Each **Aegeus** PoS block reward is split between the Masternode owner and the staker in a ratio of approximately 50/50, 70 AEG to the Masternode owner and 70 AEG to the staker. As the **Aegeus** network grows we are going to look at implementing a See-Saw balancing reward System in order to prevent a centralization effect occurring.

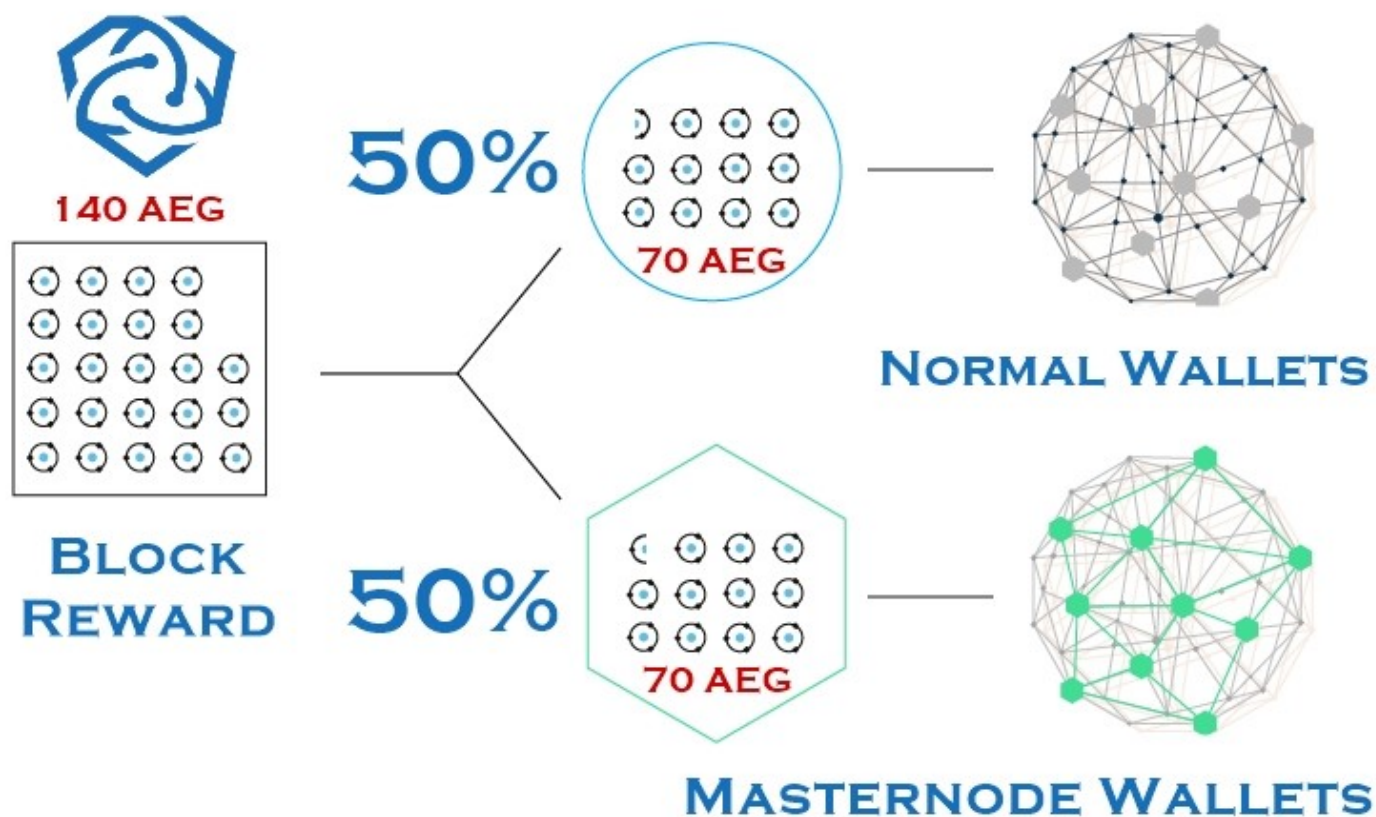
The logic of the See-Saw reward system is simple. The higher the masternode count, the smaller the reward portion of each PoS block that will be paid out to the masternodes and the larger the reward portion for staking nodes.

Conversely, when the masternode count falls, the masternode reward portion is increased and the staking node reward portion decreased. more than 50% of the block reward going to staking nodes. This is something that we will look at in the near future.



# HOW THE REWARD SYSTEM WORKS

**Aegeus** offers a very attractive Masternode reward structure of up to 70 AEG per block and 70 AEG per block for the staker. This totals 140 AEG per block.



When our current operations budget runs low, we will increase the block rewards to 143, and the additional 3 AEG coins per block will be used toward the **Aegeus** operating budget. We will in the very near future incorporate a 100/40 MN and Staker split to better reward Masternode owners. This will take place in QT code base wallet release.



# HOW IPFS WORKS



Each file and all of the **blocks** within it are given a **unique fingerprint** called a **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 decentralized naming system called **IPNS**.

# TECHNICAL SPECIFICATIONS

**Coin Ticker:** AEG  
**Default RPC:** 42315  
**Coinbase Maturity:** 30  
**Target Spacing:** 1 Min  
**Target Timespan:** 1  
**Transaction Confirmations:** 30  
**Default TX Fee:** 0  
**Dedicated Nodes:** 14  
**Block Reward:** 140 AEG  
**Block Time:** 60 seconds  
**Total Supply:** 21,000,000  
**Minted Confirmations:** 101  
**Transactions Confirmations:** 6  
**Annual Staking %:** 1960%



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# FUTURE INNOVATIONS

## Full Shield Privacy Protocol Integration

Our aim at **Aegeus** is to integrate IP address layering and encryption. Both senders and receivers can protect their IP's, wallet passwords, passphrases and utilize USFA authentication to provide additional security features.

## Universal Community Governance

We want to implement a community governance system whereby all network users including masternode operators have their say in the running of the community, it's protocols and governing regulations.

## Mobile Wallet Applications

We want to create mobile wallets for both Android and Apple devices in order to increase a wider range of users which will result in the strengthening and the expansion of the **Aegeus** network.

## Encrypted Messaging

We would like a separate panel in the wallet to have an encrypted chat system, to allow secure messaging for public and private groups .

# FUTURE INNOVATIONS...

## Data Storage

**Aegeus** will use IPFS protocols that provide deduplication, high performance, and clustered persistence. Organizing data is simply not enough, it needs to be stored in such a way that it can easily be accessed and retrieved.

## Data Distribution

If you or your company delivers large amounts of data to users, a peer-peer approach could save you a fortune on bandwidth alone. Through P2P content /data delivery, users can lower their running costs and increase their operational efficiency.

## Security/Privacy

Never worry about compromising your security when it comes to putting large amounts of data on the blockchain. Place immutable, permanent FS links into a blockchain transaction which will enable users to timestamp and secure data without having to risk putting the data itself on the chain. This can be particularly effective in the copyrighting and intellectual property niches.



# AEGEUS ECOSYSTEM

## Solid Development

**Aegeus** Our foundation is solid and this can be seen by the very nature of our technical specification and wallet attributes.

## Masternodes

These incentivized nodes (Requiring 5000 AEG) allow owners to vote on budget and development proposals within the AEG network. These nodes are the backbone of the present and future services offered on the AEG network. Masternodes strengthen the entire network and allow for greater community governance and facilitates privacy operations and instant transactions.

## Privacy/Anonymity

One of the most attractive features of **Aegeus** is the direction it's going. Online privacy and security is top priority for online merchants and network users. Our forward thinking and innovation is putting us ahead of most other PoS crypto coins in the marketplace today.

# AEGEUS FEATURES



# AEGEUS ROADMAP

The **Aegeus** roadmap is a never-ending process as we seek to streamline existing and future based technologies and services to solidify the expansion of the network.

<p>April 2018</p> <p>Initial currency exchange listing Crypto Bridge.</p> <p>Masternode/Staking Rewards Re-Structuring.</p> <p>Discord Channel Growth Model.</p>	<p>June 2018</p> <p>Secure Messaging SMI testing, bug fixing/wallet integration.</p> <p>Second Exchange listing.</p> <p>Refresh QT Wallet Design.</p>	<p>August 2018</p> <p>AEG Data Storage and sharing design, testing using IPFS P2P hypermedia protocols.</p>	<p>November 2018</p> <p>Secure Messaging SMI wallet testing completion. IPFS data sharing and content delivery testing, bug fixing.</p> <p>Android/iOS Wallets.</p>	<p>February 2019</p> <p>IPFS Team collaboration feature testing, bug fixing and system retracing to ensure elements operate efficiently.</p>	<p>June 2019</p> <p>Wallet Security upgrade and version release.</p> <p>Additional currency exchange listing.</p> <p>Masternode governance audit.</p>
<p>August 2019</p> <p>New AEG Qt wallet's graphic user interface streamlining &amp; additional security/privacy features.</p> <p>Community Voting Feature.</p>	<p>November 2019</p> <p>AEG Data Analytic core feature testing including AEG Drill &amp; AEG Sort.</p> <p>Introduction to node filter and node multi-filter P2P protocols.</p>	<p>March 2020</p> <p>AEG Document Creation &amp; Collaborative Sharing feature testing, bug fixing.</p> <p>Hash layering analysis and network bug fixes.</p>	<p>July 2020</p> <p>AEG Decentralized Exchange AEGDX.</p> <p>AEG Core wallet will provide fully decentralized and anonymous exchange for AEG to Bitcoin/ETH</p>	<p>November 2021</p> <p>Initial Big Data Integration testing with video and indexing inclusion.</p> <p>Additional Masternode governance regulation.</p>	<p>March 2022</p> <p>Shield Privacy Protocol integration. IP Layering &amp; Encryption.</p> <p>Universal Second Factor Authentication (USFA).</p>

The importance of PoS 3.0, Masternodes and P2P protocols is critical to future developments and maintaining true and complete privacy, community growth and secure data operations for every user in the network.

# CONCLUSION

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

**Aegeus** is selling their pre-mine coins, 21 million in supply minus 25% kept in reserve for marketing, operational costs and development, **without conducting an ICO**. Multiple exchanges and development will proceed as coin sales are generated.

The remaining 75% of the coin will be sold to the public through the exchanges. Those coins that cannot be sold on the exchanges will be burned on **July 1st, 2018**.

For more information regarding **Aegeus**, our Whitepaper, or to become part of the community by purchasing AEG coins, please visit: [www.Aegeus.io](http://www.Aegeus.io).





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