

Pomelo Token Economic White-paper

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Abstract

As crypto-currencies increase popularity and used widely, real-world users are withdrawn from the majority of the holdings. This in turn causes crypto currencies to become the victim of their own success decreasing the networks blockchain usability and exploiting the financial aspect with increasing or decreasing values of a token. We present the main considerations and innovative solutions below.

1. Introduction

The introduction of Bitcoin as a crypto-graphic peer-to-peer network protocol, became the first decentralized payment protocol. Allowing any individual or corporation to send a financial transaction on the blockchain as a visible decentralized peer-to-peer transaction utilising a proof-of-work block production method. As an initial prototype bitcoin worked and was functional for sending payments from wallet to wallet. Proof of work however does increase block production increasing the block size, this in turn does discourage bad actors from abusing the network.

The historical transaction memory of bitcoin does increase production of these blocks thus creating a non-scalable facility for smaller transactions. However with the introduction of Ethereum and the contractual payment for a transaction with smart contractual payments the blockchain displayed attainable growth for transactions of any form. The forms in question allowed multiple networks and tokens to build upon the blockchain and create usable functional networks and tokens for the purpose required in question.

As the network works and Ethereum modernises from a proof-of-work network to a proof-of-stake network. The network will become more sustainable and avoid environmental damage whilst scaling. We believe the network will allow our Pomelo Token to provide a solution to users on the network and allow an end-user to join the network and pay for smaller goods without impacting the environment or blockchain. The Pomelo token has been designed with a future sustainable, manageable payment facility as a focus. Our initiative is allow users to utilise the payments on the blockchain with ease contractually and securely.

2. The Token

The sustainable future we demand is based on the network, we require as a society. A global secure financial network that should not depend on the outcome of any localised economy. The solution, we expect is also a financial demand as economies inflate or deflate and the

economic future is uncertain or stabilised in most cases. Our perception is of a coin that has a stable value and can be used in the real world without any integrative requirements. The sustainable token that will allow an end-user to purchase and subscribe to any facility. A peer-to-peer token that user can send small transaction with a proof-of-stake and make payments for small transactions utilising existing payment methodology.

2.1 Network

The token will have a reliance on the Ethereum network and will adapt accordingly this will have restrictions. As Pomelo will be used more widely and have an increase in popularity the Ethereum 2.0 network will help maintain a structure of smart contractual, extendable and open source transactions.

2.2 Payment

Our solution is make an accessible payment token for every end-user on a decentralized network allowing users to maintain finance not dependant on any economical aspects. The price of an object could increase and decrease causing shortages and incur a heightened risk for supply and demand.

2.3 Coin To Card

A real-world usage of a token would be the usage of the crypto-currency in a genuine setting and as the blockchain grows the usage becomes attainable. Our solution is to create a token that can be used everywhere by utilising our coin to card protocol. An example would be payments utilised by transferring the token into a local currency and one time payment card. This will allow an end-user to keep their data safeguarded with a level anonymity whilst allowing the payment to be processed. An example would be pre-existing financial payment systems that utilise a payment by using one time payment cards and protecting user data. The economical advantages of such a protocol are based upon the realisation that most crypto-currencies are stored and transferred and only used in facilities that accept such currencies.

3. Nomenclature and Denomination

Individual units of the currency are called Pomelo using the suffix of POML. The initial supply is 1,000,000,000. Each pomelo is divisible into 1 billion units (nanopoml). Intermediary denominations of the currency use standard metric prefixes:

1. 1 = 1 Pomelo
2. 0.01 = 1 pomlcent (cent)
3. 10^{-6} = 1 micropomelo

4. Monetary Policy

As Pomelo uses a proof-of-stake methodology rewards are distributed pro-rata to current holders, if the majority on the network are staking. As we assume high amounts of stake holders, the inflation will be cancelled.

Those who do not choose to stake will dilute their holdings in relation to those who do. This principle is a basic standard for those who participate in staking being rewarded and those who do not diluting holdings.

5. Real-world Application

The real-world goals for Pomelo token and Pomelo Network are to create a network that is usable by the general public with ease.

Economically

- Utilize mobile technologies to facilitate payments
- Seamless transactions for the general public and businesses
- Make the adoption of Pomelo simplistic
- Keep a stabilised value for users to make small transactional payments without suffering increased inflation
- Minimize the impact on organisations by utilising an already existing payment protocol
- Adapt the protocol for localized variables

Globally

- Adopt a token to local currencies mechanism
- Introduce and educate general populations and businesses about the simplicity of Pomelo
- Spread awareness about Pomelo token and Pomelo Network to the mainstream
- Introduce the mainstream to Pomelo Tokens one-time card payments

Development

- Allow developers and financial institutions to develop new applications
- Pomelo Token will strive to keep an open source policy for all developers to access the API
- Create a codeless integration protocol for users to accept transactions from pomelo to pomelo

Civic Duties

- Make blockchain and smart contracts accessible to everyone
- Keep a decentralized , open-source currency and network

6. Cycle of a Pomelo Token

7. Inclusion

Our commitment to inclusion means we, as the platform provider, commit to providing equal opportunities and services to everyone, regardless of ability/disability, race, age, sex, gender, sexual orientation, colour, national origin, religion, socio-economic status, or other protected class. Partners and users of Pomelo are held to the same high standard, we expect from ourselves.

8. Compliance Policy

As a network and token utilised globally, we will continue to maintain our compliance with localised legislations and international laws. This will reduce our impact whilst allowing the network to operate as a real-world provider for an crypto-currency. Our policies can be associated regionally and small transactional contractual payments can be adapted per region.

9. Governance

The use of Pomelo network is to develop real-word applications utilising the blockchains. Pomelo network will continue to include strong governance, self-regulation and transparent governance whilst maintaining an open-source inclusion policy.

10. Decision Making

Regarding all business decisions and business matters, all decisions are primarily held by the members of the foundation by voting on each matter. The board of members will meet monthly and vote on matters referenced by importance. The source code will remain open-source and matters will also be based on voting rights amongst contributors to the code. However in exceptional circumstances including matters of emergence and matters effecting the entire community. The decision making process will bypass convention and the network committee will use

a bypass system to make decision, weighing prior voting results when available or without prior voting in a catastrophic emergency event effecting the entire community and network.

References

[Nak09] Satoshi Nakamoto. Bitcoin: A peer-to-peer electronic cash system, 2009