GHOST PROTOCOL CASH

WHITEPAPER

MISSION STATEMENT

Ghost Protocol Cash aims to bring users a complete cryptocurrency ecosystem. We wish to be truly community driven. We will always look to our community for their direct involvement concerning matters of development. Usability, scalability, mobility, ease of use, quick transactions, low fees, mobile staking, and smart home solutions are what we plan to bring to our community.

ABSTRACT

The invention of blockchain technologies has been groundbreaking over these past few years but is still very young, conceptually, and still working on adoption all over the world. As people and institutions begin utilizing blockchain technology, it will assist in cryptocurrencies becoming prevalent and allow for massive potential in the financial technology sectors as well as provide opportunity for new start-ups and investors.

With this being said, many still do not understand the value that blockchain and crypto represents or how it works at all. In order to change the way the world uses money we must focus on educating the new or non-user and quite frankly making things easier, engaging in partnerships, and promoting usage world-wide.

Ultimately, there is an extreme need for a secure, anonymous, decentralized digital currency that is not only extremely new-user friendly (and catering to the new-user needs) but well-structured and ready to change based on the community needs.

TABLE OF CONTENTS

CHAPTER 1
INTRODUCTION

Since the introduction of Bitcoin in 2008, the cryptocurrency community has been steadily growing. In all actuality, at a much faster pace than most would have ever expected.

Though, a few glaring issues seem to persist: overall market volatility, slow transactions, high transaction fees, ease of use, and overall mobility of the cryptocurrency being used.

Volatility issues can easily be overcome with mass adoption. The more people who rally behind the usage of cryptocurrencies, the less volatility there will be in the market.

By focusing more on a PoS (proof-of-stake) concept we shy away from the need for an unnecessary amount of computational resources, and we remove the "miner mentality" from the equation so that holding onto your GPCash coin is more incentivized, thus increasing market stability. Just because the solution to the problem is easily realized doesn't mean it is easily achieved. We believe that in order to achieve mass adoption that we must make accessibility and usability our main priorities as well.

Slow transaction speeds are a constant topic of debate with multiple reasonable arguments from many viable perspectives. When the need arises, a larger block is the obvious answer. Instead of debating back and forth endlessly, pick what benefits the community the most and go with it. The aggravation of high transaction fees is fairly self-explanatory. Basically, by not allowing transactions to flow freely by limited block size and by giving miners the power to prioritize transactions that pay higher fees. This in our humble opinions is absolutely unacceptable and does nothing more than hinder a broader public acceptance.

Ease-of-use is overlooked by a vast majority of the current cryptocurrencies that are out. That functionality is more the area of focus. We want to focus on functionality, but also not forget that ease of use is just as important. If our users can't figure out how to use The GPCash Network effectively and efficiently then we aren't living up to the goals that have been set before us. Mobility is a staple in the overall vision. Yes, we understand that most cryptocurrencies have mobile wallets. So you may ask what more could a person want to make a cryptocurrency mobile? Well, besides just having a mobile wallet you should be able to be just as effective and efficient as someone who uses a personal computer. We aim to bring the community an all-inclusive app that can do everything that personal computers can do. We aim to bring mobile staking to the community that way no matter where your phone is, as long as you have your wallet staking, then you will be accruing more coins. All of this without bogging down your cell phone's processing power or draining your battery life at an unreasonable rate.

CHAPTER 2
WHAT IS BLOCKCHAIN

When people talk about blockchain, at the broadest level, they mean a network of databases spread across multiple entities that are kept in sync, where there is no single owner or controller of the data. The databases tend to be append-only, that is they can be written to, but historical data can't be altered without broad agreement from the participants of the network.

This means that a user or system administrator in one entity can't alter data held on a blockchain without agreement from the other participants. Historically, when multiple parties need to rely on the same data, we have used golden sources of data, held and controlled by trusted third parties. A classic example is the use of a clearing house that is the golden source of data about a trade between two entities. Blockchain can empower groups of parties to agree on events without needing the third party, such is the promise of this new technology

In simple terms, The Blockchain is a distributed database, which utilizes the digital ledger technology that stores transaction records, and shares them among a distributed network of computers. By means of cryptography each participant of the network can access and manage the ledger in a secure way. No central authority in this system is needed. The blockchain maintains a continuously-growing list of records (blocks), each containing a timestamp and a link to the previous one.

CHAPTER 3
ABOUT CRYPTOCURRENCY

A cryptocurrency is a digital currency
with operates independently of any central
bank, mint, government or organization. There are many
advantages to this – it means that the currency cannot be
manipulated by people that you do not trust – for example with fiat
currencies like the Pound, Dollar or Euro, any time a government
chooses to do so, they can change how much the currency is
worth – either directly, or by methods like quantitative easing,
which reduces debt for the country but badly affects average citizens.

Another advantage is that transactions do not need a "middle man" to
approve them, you own your own virtual wallet and act as your own
bank – reducing times, fees, and eliminating the possibility of an
organization deciding to not give you access to your own money.
Perhaps the best advantage of cryptocurrencies is that they are not
affected by world boundaries. The price is the same in every single
country, putting everyone on even ground. Combined market
capitalization of all cryptocurrencies together is currently only around
540 billion USD, which leaves lots of room for expansion.

As a traditional type of economy, reshaping its form of money flowing
into crypto currencies either for the speculative purposes of gaining
capital profit or by supporting projects that are built on decentralized
platforms. Such trend is widely expected to continue.

Triple digit growth, amazing risk-reward ratios, and promising global
perspectives are only a few reasons why cryptocurrencies shouldn't be
overlooked by any investor who's willing to diversify his/her portfolio
and profit from opportunities offered by a booming market

CHAPTER 4
PROOF OF STAKE (Pos)

Proof of Stake (PoS) is an alternate way of verifying and validating the transaction or block. This will pick the Validator (Equivalent of "miner" in the PoW) by the amount of stake (coins) a validator has and the respective age of the stake. If you have 100,000 GPC coins in a wallet, it will have an age attached to it on how long you have it. Here the 100,000 GPC coins are the stake. If you move your coins from one address (or wallet) to another, the aging gets reset. This amount is like the security deposit which means the Validator holds a significant stake in GPC coin with good aging is more committed and combined with many other factors, will get a higher chance to validate a block.

This allows building a trusted and distributed network with loyal Validators (a high stake of coins). The Validators earn the part or whole of the transaction fee. In PoS, it is not "mining" but "forging" which is done by the Validator who will process and forge a block to the chain.

This eliminates the below challenges and believed to have an advantage:

• No need for expensive hardware (a normal computer, tablet, or smartphone running GPC wallet will do as long as your laptop or computer is online)

• Energy efficient as it won't consume high electricity

• More loyal Validators . As higher the stake, the Validators have for a long time, more chances for the Validator to be picked up for "forging" and earn the transaction fee

- Faster validations   In PoS, each validator owns some stake in the network, GPC coins in the case of GPC, that they bond. Bonding stake means you deposit some money into the network, and in some sense, use it as a collateral to vouch for a block. In PoW you know a chain is valid because lots of work is behind it, while in PoS you trust the chain with the highest collateral.   The following explains the working concept of our mining technology.The Ghost Protocol network allows 10k Buyer deposits GPC Coins Proof of Work blocks to be mined into their wallet. Coin aging begins to kickstart the network. (age = n coins × time held). The GPC Network moves to Your holdings help keep the a pure Proof of Stake algorithm. network secure. Unlike Bitcoin, The GPC Networks In return you earn 10% interest Proof of Stake algorithm has on any coins you hold! virtually no electricity consumption.

CHAPTER 5
COIN DETAILS

Algo: Scrypt
Type: Pure PoS
[POW Ended Use for Giveaways]
Nama: GhostProtocolCash
Short: GPC
Address Start: G
Supply Coins: 100,000,000 GPC
Premine : 20% (20,000,000 GPC)
Coin maturity: 80 block
Target block: 2 min
Diff Adjust: 1 min
Confirmations: 10 blocks
Stake Reward: 10% (~365 days)
Minimum Coin Age to Stake: 12 hour

CHAPTER 6
ROADMAP

Q2, 2018
- Coins launch.
- Coins swap with Smart contract partner.
- Presale.
- First give away

Q3, 2018
- Presale ends
- Listing On Graviex
- Second give away

Q4, 2018
- Public Campaign
- Third give away

Q1, 2019
- Listing on Cryptobridge
- Public campaign
- Listed in Coinmarketcap

Q2, 2019
- Gpcash shopping & Payment integration
- Partnering with some payment company to integrated the payment systems

Q3, 2019
- To get listed in another major exchange like Cryptopia.
- Most awaiting use of GPcash Announcement

Overall, GPCash is a mobile cryptocurrency for a generation on the go. With our proof of work (ending at block 1,000) as well as proof of stake hybrid cryptocurrency having a 12-hour minimum coin age for staking, along with a 2MB block and the incorporation of sidechains, we are sure to provide our users with quick transactions and low fees. We also have a zerocoin protocol for anonymity.

Also, implementing mobile staking, mobile gaming micro-transactions, a decentralized marketplace, and an all-inclusive mobile app.

We'd like to thank you for taking the time to read our whitepaper and we hope that you are just as excited as we are.

CHAPTER 7
CONCLUSION