



**AXECOIN**  
Digital Cash

February 2018

**WHITEPAPER**





## OVERVIEW

AXE is a corporate finance solution for supporting their international transactions for Vendors & users payments, Capital Funding, CSR Donations etc.

AXE make a complete solution secured by integrated with Smart Contracts and State Channels which has different programs for corporate and users which has a Token as a currency , Debit card/ mobile app as a exchanger .

AXECOIN : AXE creates AXT token which will enable real time point of sale (POS) transactions directly from users' private cryptocurrency wallets. We predict the ability to make purchases in-store and online using cryptocurrencies will speed up mass adoption of the technology.

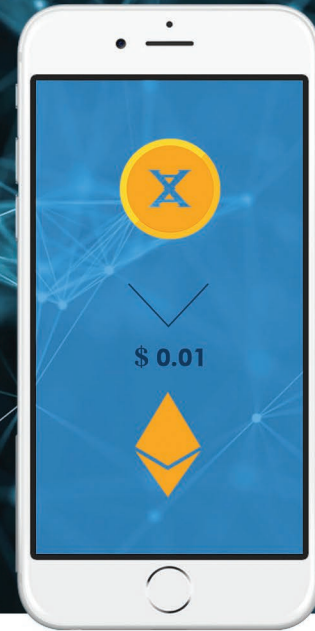
The AXT token is part of a global solution to facilitate borderless transactions for corporates. To make instant payments at point of sale from a blockchain wallet requires we do a real-time exchange of cryptocurrency into fiat.

The AXT token provides access to our state channels which a) ensure there is sufficient cryptocurrency (i.e. Bitcoin, Ether) in the digital wallet and b) users spending fiat at point of sale will complete the purchase from their cryptocurrency assets. AXT automatically opens a state channel between each user and AXT's own wallet. AXT tokens fund the transaction, much like gas funds Ethereum transactions. The first implementation will be with AXE's digital wallet.

AXT tokens will be implemented on the public Ethereum blockchain and adhere to the ERC20 protocol.



## PROBLEM STATEMENT



To date, cryptocurrency has yet to gain mainstream adoption. The last barriers to mass market adoption will be removed when cryptocurrency become embedded into everyday commerce.

An estimated \$22 trillion 1 of consumer spending takes place annually between shoppers and merchants. Local/national currencies are used to pay for everything from your cup of coffee every morning to your weekly grocery run. What if you could pay for your cup of coffee with Bitcoin or Ether ? Without requiring the merchant to change their point of sale equipment, AXECOIN is enabling ubiquitous merchant acceptance of cryptocurrencies. This will greatly accelerate the adoption of cryptocurrency and tapping into the existing ecosystem of global commerce.

## VISION

AXE Global Payment's vision is to create a globally accessible alternative to traditional banking, allowing you to store your money safely, access it instantly and transact with it anywhere, in any currency including crypto by using the STK token, right from your smartphone, using the AXECOIN app. Creating a digital wallet as a companion to a traditional card solution, the AXECOIN app enables you to use any of your currencies at point of sale, anywhere in the world.



## AXECOIN

### CURRENT LIMITATIONS OF BLOCKCHAIN SETTLEMENT

Few merchants accept cryptocurrencies at point of sale or online, consumers must exchange cryptocurrencies into their local currency to make everyday buying.



Our goal is for this exchange to occur in real time, anywhere credit cards are accepted, and with fees comparable to transaction costs on Ethereum. At present, the confirmation time for Bitcoin transactions averages 10 mins 2, far too long for point of sale purchases.

Ethereum transactions are faster, at an average time of 24 seconds, but even this is too slow for point of sale.<sup>3</sup> Furthermore, neither the merchant nor the local currency provider are willing to wait the required amount of time for the transaction to be confirmed on the blockchain, which is critical to protecting both parties against fraud.

### AXE SOLUTION: AXE STATE CHANNEL AND AXE TOKEN

There is a two-pronged problem that the AXE solution will solve:

**1) A lack of merchant acceptance of cryptocurrency.**

AXECOIN has partnered with an existing payment network that will allow the cryptocurrency wallet to be used at 39 million merchant locations.

**2) Payments at point-of-sale must complete in near-instant time.**

Rather than writing each payment transaction to the blockchain, AXECOIN will create State Channels between the customer and AXE. These channels are an established way to provide real time transaction guarantees on the blockchain.

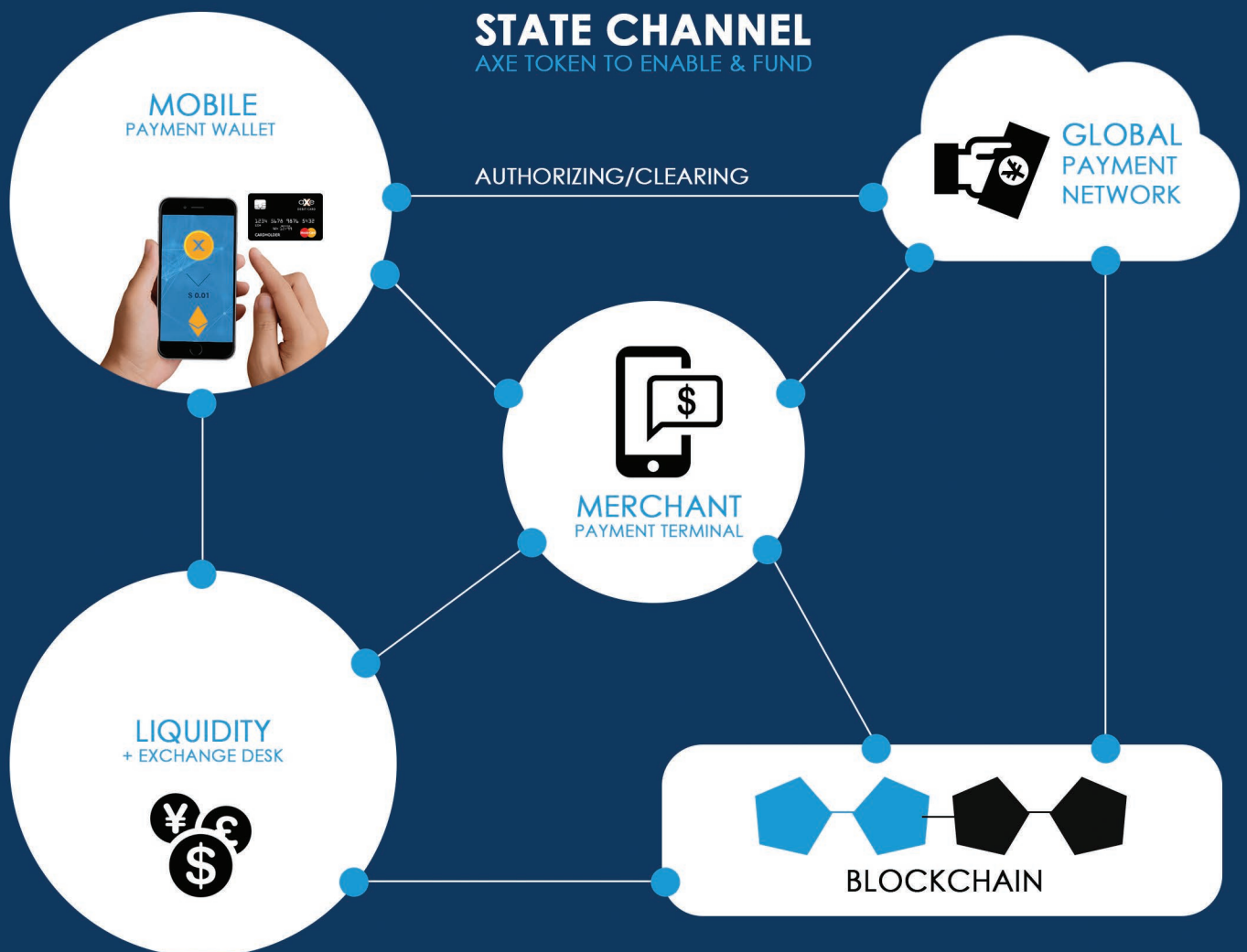
To use this system, the user is required to hold a AXE token which grant access to the AXE State Channel and will be limited to those who have AXE tokens.





AXE IS A SOLUTION THAT CAN BE IMPLEMENTED GLOBALLY, WITH THE FIRST IMPLEMENTATION OCCURRING WITH AXE.

In order for users of the AXECOIN wallet to transact in real-time, the AXE solution will be integrated into the AXECOIN digital multi-currency wallet. This functionality can only be accessed with a AXE token.



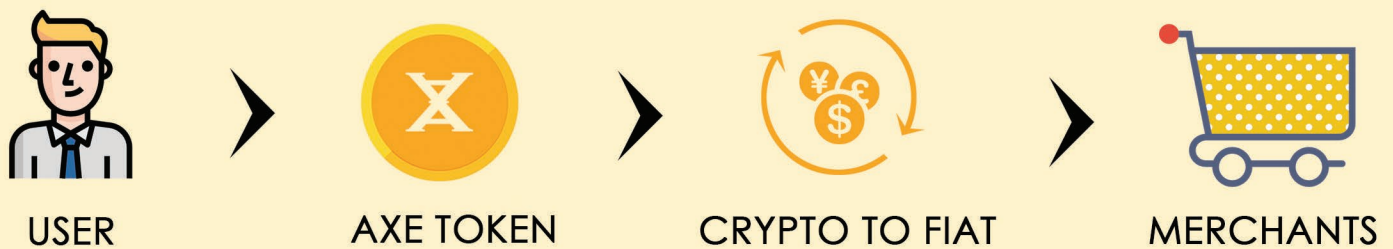
The AXE token will be used to pay for the operating cost of setting up the State Channel. Because AXE tokens can change in value, the price per transaction is calculated similarly to how gas prices are on Ethereum.



## STATE CHANNELS

State Channels are a technique for making off-chain transactions with the same security guarantees as an onchain operation. State Channels allow us to conduct blockchain interactions as if they were being conducted on-chain, but require only that two or more users exchange information with each other.

Participants in a State Channel may exchange a large number of transactions between one another instantaneously, requiring an on-chain operation only when the channel is closed. State Channels provide the speed required for AXECOIN's point-of-sale purchase mechanism: at the moment of purchase, the user sends AXE tokens to AXECOIN in exchange for AXE using their liquidity pool to make a fiat purchase through the global payment network. This is a cost effective approach to enabling transactions.



## HOW DOES THIS WORK IN PRACTICE ?

Step-by-step process:

### 1. Creating a State Channel:

The user loads their AXE token into the AXECOIN mobile wallet, which authorizes the creation of a State Channel with the AXE platform. Both the user's device and AXECOIN keep a local copy of the current state of the channel. Creation of a state channel requires an on-chain operation.

### 2. Conducting Transactions and State Changes:

When the user initiates a point of sale transaction using AXECOIN, they receive a visual prompt in the AXE wallet showing the value of the transaction, similar to using traditional tap-to-pay mobile applications. Behind the scenes, the user authorizes a transaction to send the equivalent cryptocurrency to the AXE platform.



### 3. Keeping Funds Ready:

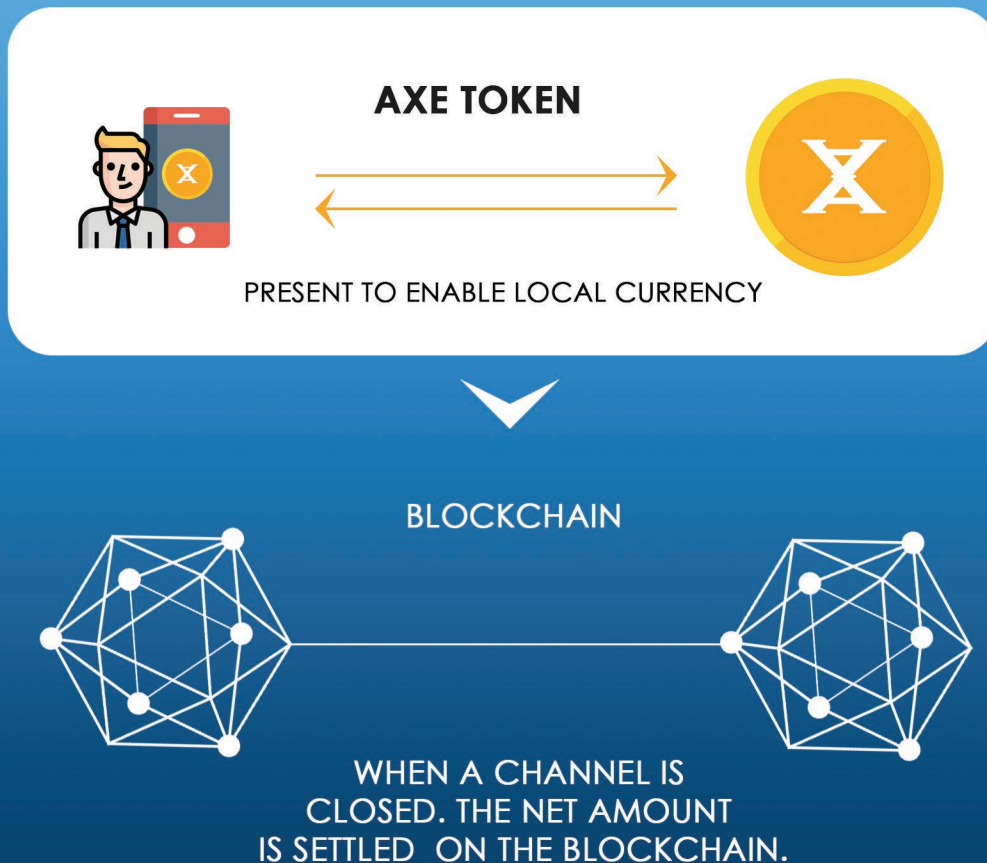
So long as the State Channel is open, there are no fees for conducting any number of transactions between the user and STK. Moreover, there is no fee for keeping the channel open.

### 4. Withdrawing Funds:

If the user wants to retrieve all or part of their STK token in the channel that has not been sent to STK, they can do so by withdrawing their funds. The user signs and publishes a withdrawal request, which requires an on-chain operation. It is possible to make partial withdrawals, so the user is always secure in being able to retrieve his or her ether while still keeping the channel open for future transactions with the STK network.

### 5. Closing:

To close a State Channel, one of the parties signs and publishes a close request to the State Channel. This initiates a period during which either party can submit their most recent transactions, which determines the final state of the state channel.

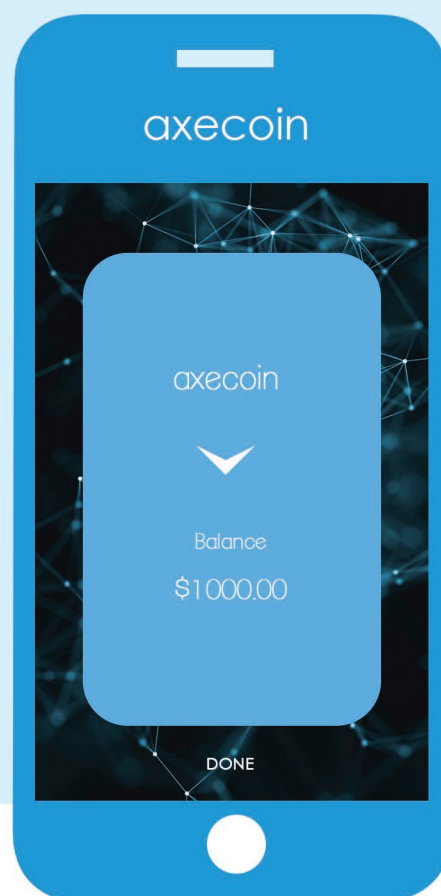




## WHAT IS AXECOIN ?

AXECOIN is an alternative to traditional banking with a better way to spend, save and share your money, fee-free and straight from your mobile. Our app provides its members with smart solutions to personal finance, with features like real time notifications, effortless savings, financial IQ and mobile tap-to-pay functionality.

AXECOIN is creating a community of users who celebrate the moments that matter most by sharing stories of transactions on the AXECOIN World Stream. The AXECOIN wallet is a working product that currently is in private beta with a waiting list of 20,000 people.



## COMPETITIVE LANDSCAPE

Unlike other crypto payment solutions, STACK also provides alternative financial services in local currencies. Our digital local currency account is a gateway to widespread cryptocurrency adoption, pairing it with access to mainstream financial services and smart new features on a simple, user-friendly platform. Currently STACK is in beta, and mobile tap-to-pay functionality is already built in.

	AXECOIN	COMPETITORS
GLOBAL PAYMENT	●	●
MOBILE TAP-TO-PAY	●	●
EXISTING SOLUTION	●	●

INCLUDES PAY, MCO, MTL. Based on publicly available information as of February. 2018.



COMPLETE



IN PROGRESS



NO MENTION



# TOKEN GENERATION EVENT

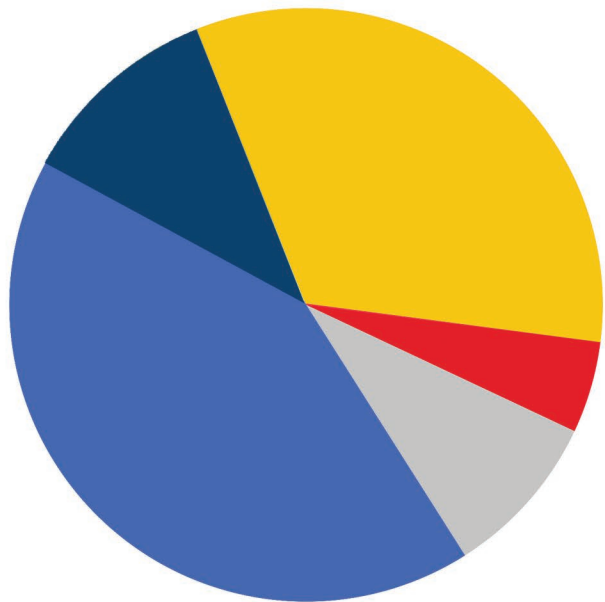
In order to further develop and promote the AXE platform, AXE will conduct a token generation event that will offer for sale 275,000,000 AXE tokens out of a 500 million total supply. The proceeds of the TGE will be used for marketing, solution development (both iOS and Android), integration of AXE with AXECOIN and the operation of crypto to local currency exchange. The remaining will be reserved for the liquidity pool, bounty programs and referrals. Any unsold tokens will be burned.

For token sale pricing and timing, visit us at: <https://axecoin.com>

Read More

## TOKEN ALLOCATION:

- 40% sold to public as part of token sale
- 13% founders and team
- 11% costs of token sale
- 6% advisors cost included
- 30% held in reserve by AXE Global Payments in order to fund future transactional costs and to expand liquidity pool required for future growth and expansion.



## USE OF FUNDS

100% fund is reserve by AXE † in order to digitalization in future transactional costs and to expand.



# AXECOIN MONEY

AXECOIN is a revolutionary new approach to personal finance, providing a fee-free alternative to traditional banking with a globally accessible platform to spend, save and share your money, in any currency, at any time and straight from your mobile.



AXE MONEY

## TOKEN DISTRIBUTION

## AXECOIN MONEY SERVICES

AXECOIN is creating a community of users who celebrate moments that matter by sharing stories and providing personalized solutions to reach financial goals faster than ever before. Our digital fiat account provides a gateway to widespread cryptocurrency adoption by pairing it with access to mainstream financial services and smart new features on a simple, user-friendly platform. The current financial technology ecosystem is fragmented with different companies in isolated segments, providing singular solutions (i.e. lending marketplace, alternative finance, payments & international remittances and P2P money movement, and blockchain). AXECOIN's goal is to be a full-service personal finance solution. In addition to the cryptocurrency wallet, AXECOIN creates a positive, sustainable relationship between users and their money, without the stress associated with most financial products or transactions.

AXECOIN offers its members fee-free, digital money services including:

- Real time conversion from crypto to local fiat currency at point-of-sale.
- Tap-to-pay functionality on the AXECOIN mobile app and on participating 3rd party mobile wallets.
- Multi-currency wallet (crypto and fiat currencies).
- Chip-and-PIN EMV card.
- Social sharing to celebrate moments that matter on the AXECOIN World Stream
- The ability to withdraw cash from any ATM
- Tips, tools and tailored advice to reach your financial goals, faster

Each AXECOIN account includes a AXECOIN card – a debit card which complements the AXECOIN digital wallet. AXECOIN payment facilities which include the physical and virtual prepaid card can be used in almost 200 countries at over 39 million points of acceptance today. This is possible through our card issuance partnerships with global payment networks. Moreover, users and businesses can exchange their blockchain assets seamlessly from one user to another, with transparency that is currently lacking in a centralized solution.





## AXECOIN SAVINGS

- Create savings goals as broad or as specific as you like.
- Automated round-ups help you save a little or a lot.
- Categorize your goals to receive relevant offers and rewards based on what you're saving towards.
- Being smart with your money means you'll have more of it to spend on the things that matter.



## FINANCIAL IQ TOOLS

AXECOIN gives you personalized tools to help you reach your goals faster.

- Spend Trends keeps you on track, providing insight into your spending and saving goals (i.e. the categories where you are overspending). AXECOIN will be able to index your spending against similar peer sets and cohorts so that you'll know exactly how well you are AXECOIN against others in your same financial situation.
- Receive offers and rewards that are tailored just for you.
- Categorized spending helps you see where your money goes.



## SECURITY LEVEL UP

AXECOIN uses industry-leading safeguards to protect your money, data & privacy, So accounts are secure and protected.

- Chip and Pin EMV Cards
- Transition Notifications
- In-app card freeze, pin resets

AXECOIN has built in KYC, AML and fraud monitoring processes.

- Onboarding process utilizes waterfall methodology to verify the user using Trulioo's global gateway™
- AML Watchlist to comply with domestic and global Anti-Money Laundering (AML), Counter Terrorist Finance (CTF), and sanctions enforcement regulations.



## DEVELOPMENT TIMELINE

We focus to create a great atmosphere globally within a given timeline phase of projects.

### NOVEMBER 2016

Alpha and Host Card Emulation  
(Tap-to-Pay functionality at POS)

NOV  
2016

### JULY 2017

Token design leveraging State  
Channels with global advisory team.

JULY  
2017

### AUGUST 2017

AXE Beta announcement & launch  
with global POS support and social sharing.

AUG  
2017

### OCTOBER 2017

Token Generation Event  
(Top Level Token generate to Sell)

OCT  
2017

### DECEMBER 2017

Commercial Launch with Fiat  
(A deal with commercial projects)

DEC  
2017

### MARCH 2018

Beta of Crypto Wallet in U.S.  
(New kind of wallet for digital currency)

MAR  
2018

### MAY 2018

Commercial Launch of Crypto Wallet  
in Canada and U.S.

MAY  
2018

### JUNE - JULY 2018

European and International Launch  
of Crypto Wallet with advance Level.

JULY  
2018



## SOURCES OF WHITEPAPER

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### Blockchain

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### Ethstat

URL: <https://www.ethstats.net>

### Fintech Finance

URL: <http://www.fintech.finance/01-news/number-of-card-accepting-outlets-set-to-double-by-2020-can-visa-and-mastercard-keep-up/>

### Altheamesh

URL: <http://altheamesh.com/blog/universal-payment-channels/>



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