



BITE GLOBAL PAYMENTS

APRIL 2020 ABSTRACT

WHITEPAPER

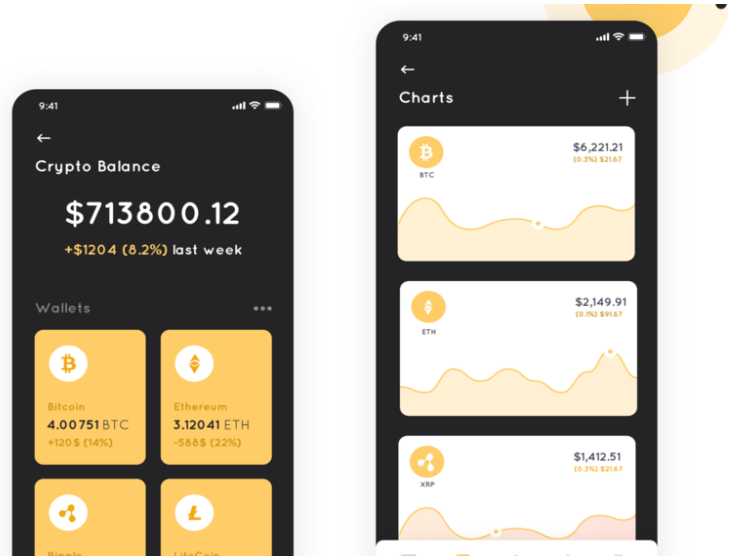
The BITE token will enable real time point of sale (POS) transactions directly from users' private cryptocurrency wallets. We predict the ability to make purchases in-store and online using cryptocurrencies will speed up mass adoption of the technology. The BITE token is part of a global solution to facilitate borderless transactions. To make instant payments at point of sale from a blockchain wallet requires we do a real-time exchange of cryptocurrency into fiat. The BITE 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. BITE automatically opens a state channel between each user and BITE's own wallet. BITE tokens fund the transaction, much like gas funds Ethereum transactions. The first implementation will be with METAMASK and BITE's digital wallet. BITE 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 cryptocurrencies become embedded into everyday commerce. An estimated \$22 trillion¹ 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, BITE WALLET 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

BITE 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 BITE token, right from your smartphone, using the METAMASK and BITE app. Creating a digital wallet as a companion to a traditional card solution, the BITE WALLET app enables you to use any of your currencies at point of sale, anywhere in the world.

BITE WILL BE A PLATFORM THAT WILL FACILITATE REAL TIME CRYPTOCURRENCY TRANSACTIONS AT POINT OF SALE.

CURRENT LIMITATIONS OF BLOCKCHAIN SETTLEMENT

Because very few merchants accept cryptocurrencies at point of sale or online, consumers must exchange cryptocurrencies into their local currency to make everyday purchases. Through any existing exchanges this can be time consuming, and comes with sizeable fees. Though some companies have made products that enable retailers to accept Bitcoin payments, they are currently available at only a tiny number of locations.

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 minutes², 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.³ 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.

BITE SOLUTION: BITE STATE CHANNEL AND BITE TOKEN

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

- 1) A lack of merchant acceptance of cryptocurrency.

BITE WALLET has partnered with an existing payment network that will allow the cryptocurrency wallet to be used at 39 million merchant locations.⁴

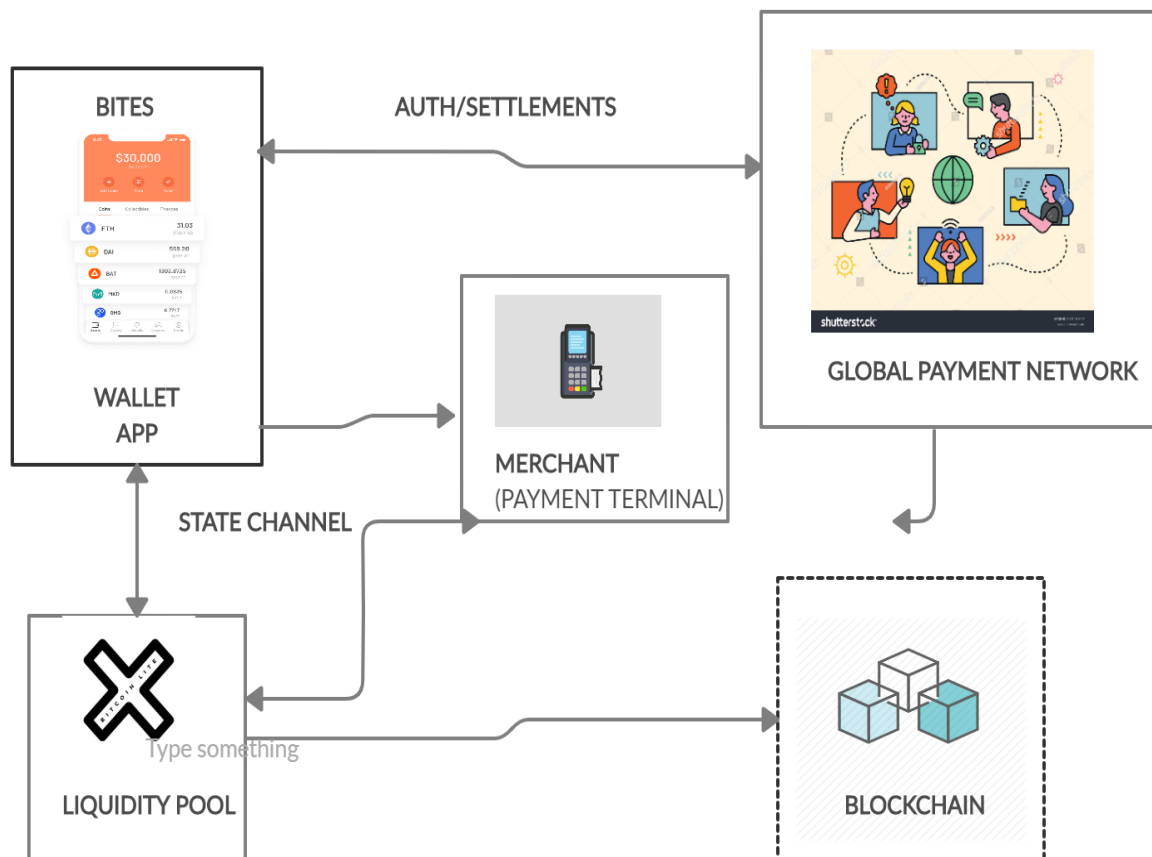
- 2) Payments at point-of-sale must complete in near-instant time.

Rather than writing each payment transaction to the blockchain, , will create State Channels between the customer and BITE WALLET. These channels are an established way to provide real time transaction guarantees on the blockchain. Once this is done, customers' transactions will be funded through BITE's liquidity pool to make point of sale purchases instantly.

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

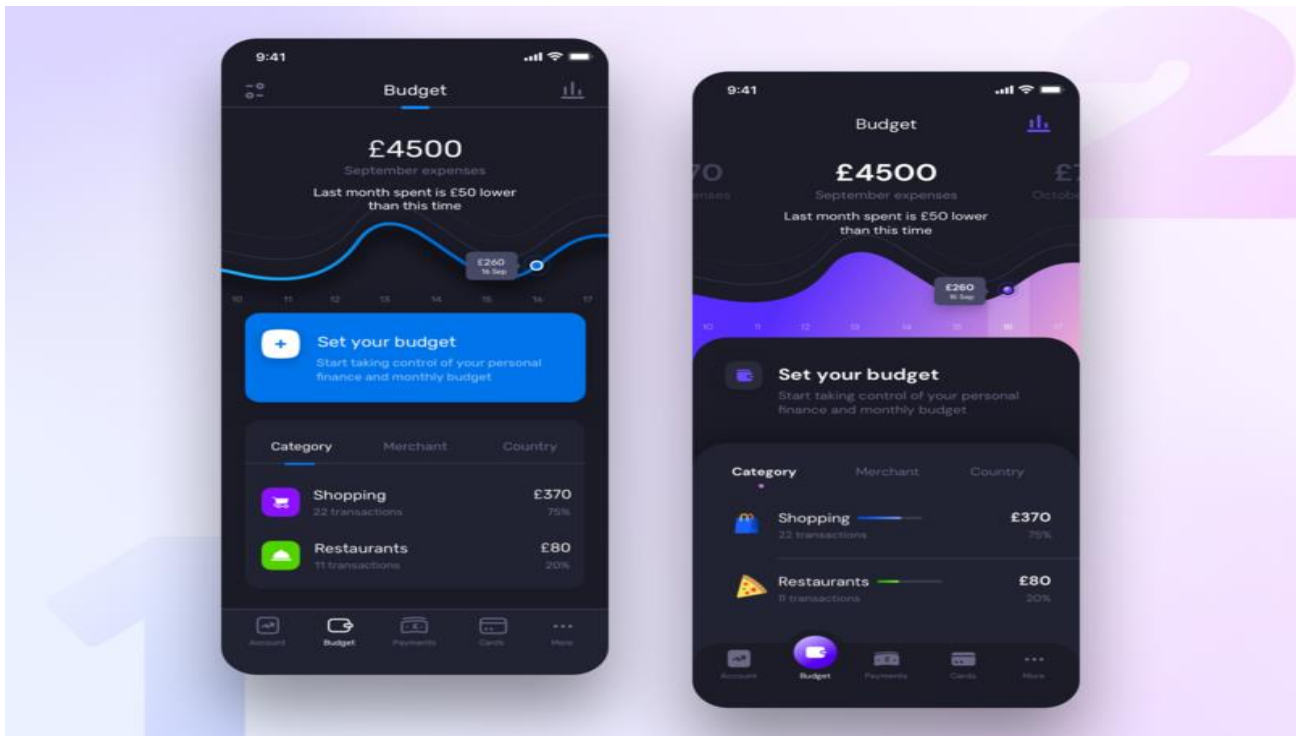
BITE IS A SOLUTION THAT CAN BE IMPLEMENTED GLOBALLY, WITH THE FIRST IMPLEMENTATION OCCURRING WITH BITE WALLET

In order for users of the BITE WALLET wallet to transact in real-time, the BITE solution will be integrated into the BITE WALLET digital multi-currency wallet. This functionality can only be accessed with a BITE token. The BITE token will be used to pay for the operating cost of setting up the State Channel. Because BITE 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 on-chain 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 BITE WALLET's point-of-sale purchase mechanism: at the moment of purchase, the user sends BITE tokens to BITE WALLET in exchange for BITE WALLET 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 BITE token into the BITE WALLET mobile wallet, which authorizes the creation of a State Channel with the BITE platform. Both the user's device and BITE WALLET keep a local copy of the current state of the channel. Creation of a state channel requires an on-chain operation.

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2. Conducting Transactions and State Changes:

When the user initiates a point of sale transaction using BITE WALLET, they receive a visual prompt in the BITE WALLET 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 BITE platform.

Almost immediately, the BITE platform receives the signed transaction, counter-signs and stores a copy of that new state off-chain. BITE then authorizes its local currency account to pay the requested purchase through its global payment network rails on behalf of the user. Because the transaction occurs off-chain, there is virtually no delay except for a small amount of computation time and network latency.

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 BITE. Moreover, there is no fee for keeping the channel open.

4. Withdrawing Funds:

If the user wants to retrieve all or part of their BITE token in the channel that has not been sent to BITE, 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 BITE 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 BITE WALLET?

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

BITE WALLET accesses a global payment network that enables worldwide acceptance of the BITE WALLET wallet around the world. The BITE WALLET wallet is a container for 10 sub-accounts that can hold up to 10 distinct currencies – both local currency and crypto.



COMPETITIVE LANDSCAPE

Unlike other crypto payment solutions, BITE WALLET 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 BITE WALLET is in beta, and mobile tap-to-pay functionality is already built in.

	BITE WALLET	COMPETITORS
GLOBAL PAYMENT RAIL	●	●
MOBILE TAP TO PAY	●	●
EXISTING SOLUTION	●	●



COMPLETE



IN PROGRESS



NO MENTION

INCLUDES PAY, MCO, MTL.

Based on publicly available information as of Sept. 18, 2017

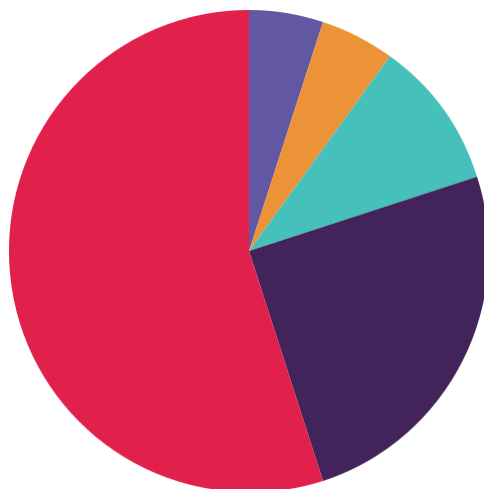
TOKEN GENERATION EVENT

In order to further develop and promote the BITE platform, BITE will conduct a token generation event that will offer for sale 61,435,000 BITE tokens out of a 1,11,700,000 total supply. The proceeds of the TGE will be used for marketing, solution development (both iOS and Android), integration of BITE with BITE WALLET 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.

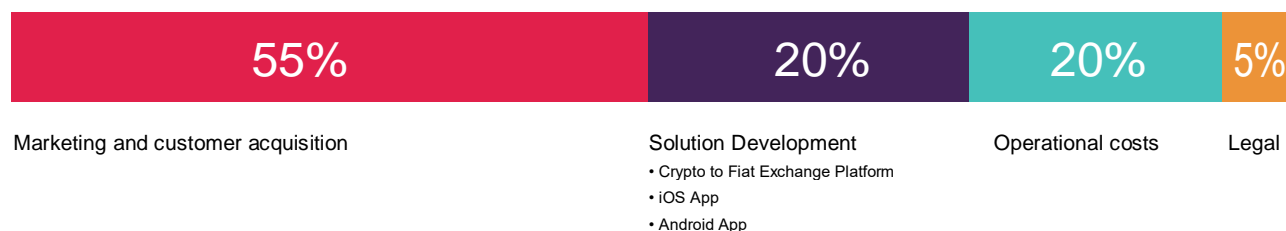
For token sale pricing and timing, visit us at: <https://bitcoinlite.ethereum.wordpress.com>

TOKEN ALLOCATION:

- 55% sold to public as part of token sale
- 25% held in reserve by BITE Global Payments in order to fund future transactional costs and to expand liquidity pool required for future growth and expansion
- 10% founders and team
- 5% advisors
- 5% costs of token sale



USE OF FUNDS:



BITE WALLET MONEY SERVICES

BITE WALLET 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. BITE WALLET 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 (FinTech) 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). BITE WALLET's goal is to be a full-service personal finance solution. In addition to the cryptocurrency wallet, BITE WALLET creates a positive, sustainable relationship between users and their money, without the stress associated with most financial products or transactions.

BITE WALLET 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 BITE WALLET 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 BITE WALLET World Stream
- The ability to withdraw cash from any ATM
- Tips, tools and tailored advice to reach your financial goals, faster

Each BITE WALLET account includes a BITE WALLET card – a prepaid card – which complements the BITE WALLET digital wallet. BITE WALLET 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.

Data will be used to provide personalized recommendations, simple ways to save, relevant offers and rewards.

BITE WALLET UP 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.

Financial IQ

- Being smart with your money means you'll have more of it to spend on the things that matter.

BITE WALLET 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). BITE WALLET will be able to index your spending against similar peer sets and cohorts so that you'll know exactly how well you are BITE WALLETing up 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

BITE WALLET uses industry-leading safeguards to protect your money, data and privacy, so accounts are secure and protected.

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

BITE WALLET has built in KYC, AML and fraud monitoring processes.

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

