

BitAsean

A Peer-to-Peer Digital Currency and Payments Ecosystem for the ASEAN Region

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Abstract

BitAsean is a decentralized digital currency for use in commerce on a peer-to-peer Basis, facilitating both Business-to-Business (B2B) and Business-to-Consumer (B2C) transactions and settlement. BitAsean was originally launched June 3, 2017, and is the first digital currency developed in the ASEAN region. BitAsean is not owned by any single entity or party. Rather, it is a digital currency obtainable through means of exchange by anyone who chooses to accept and/or spend it. It uses the mechanism of a fully decentralized ERC-20 protocol token (BAS) on the Ethereum blockchain. As such, it can benefit from the innovation, utility, and security of the battle-tested Ethereum smart contract platform and virtual machine. Our team has studied the needs of commerce and remittance throughout the ASEAN region and developed BAS to be useful across a number of diverse use cases which serve to alleviate some of the inefficiencies of small business, direct-to-consumer merchant sales, and supply chain.

Additionally, by resisting the currently popular practice of distributing coins through an Initial Coin Offering (ICO), BitAsean is compliant with US SEC guidance on ICOs. Instead of an ICO our approach is to get BAS into as many hands as possible, near term, in real world commerce through distribution methods which will incentivize business and consumer end users, thus building a network effect and token value through actual usage

1. Introduction

Blockchain technology came to the forefront because it solves problems with regards to trust and transparency with regards to, but not limited to settlement. Through the use of a blockchain-based distributed ledger, transactions are transparent, immutable and secure, thus solving a plethora of problems associated with online payments and centralized systems which traditionally have required some level of trust that the ledger was both accurate and secure. Furthermore, all parties to a transaction can verify that it has, in fact, taken place as intended.

This has many uses which will resonate within the ASEAN region and we have tailored our digital currency to be useful both as a means of exchange and remittance, as well as for potential uses in mobile apps and mobile gaming or a points system similar to loyalty cards for merchants.

BitAsean (BAS) it should be noted is the first digital currency to emerge from the ASEAN region and we hope to make it the number one digital currency of choice within ASEAN by having a responsive and agile path of development working hand-in-hand with end users.

Through the use of our blockchain token, BitAsean (BAS) a new way of doing business will emerge in a region where blockchain technology is quickly becoming popular. Because BitAsean is made in the ASEAN region our visibility, “on-the-ground” and face-to-face network and community building will help carve out BitAsean’s place within of the growing global digital currency space.

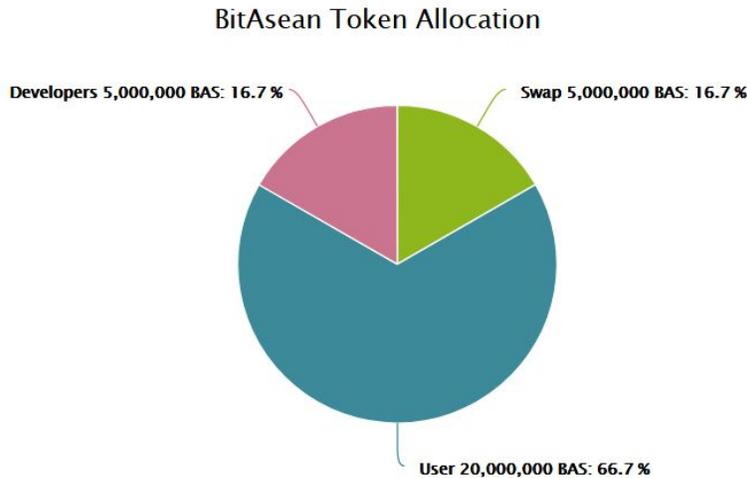
Our team is dedicated to the hard work and community building to make that happen across the region and beyond.



2. Our Approach

BitAsean from the very beginning has been in favor of both the fair distribution of the 30 million BAS token as well as near-term real world use of the token. This is why originally we launched BAS as a Cryptonote-based coin on its own blockchain rather than as a token with an ICO crowdsale. Our distribution of the initial token was through Proof-of-Work mining using the Cryptonite algorithm where miners were awarded for finding blocks. In theory, anyone with a CPU could mine some BAS and begin using it. For various reasons having to do with efficient use of resources and future-proof utility, we decided to transition from the proof-of-work mined coin to an Ethereum-based ERC-20 token atop Ethereum's blockchain.

In doing this we re-created the total of 30 million coins which were going to be eventually mined and divided them as follows:



- 20 million coins allocated for future distribution to merchants (stores, restaurants, etc) that have accepted BitAsean as a form of payment as well as for future marketing campaigns.
- 5 million coins allocated for the coin swap for old BAS mined using Cryptonite proof-of-work.
- 5 million coins allocated for our development team.

A coin-swap was announced and has been executed for mined coins held by users in their wallets or on an exchange. This swap was trouble free, seamless and successful.

3. Mobile Wallets

We approach every aspect of the development of the BitAsean ecosystem in a methodical and logical way. This is why we are working on developing a mobile wallet for Android and iOS users. As usability of digital currencies is key in our highly mobile society, a well-made mobile wallet app is the top priority of our team. Once the wallet has been developed and completed our distribution plan for the 20,000,000 BAS token will become paramount. The reasons for this is that it will be easier to get merchant adoption once customers can actually spend BAS via the mobile wallet.



This wallet will provide the basic send/receive functionality and may later evolve to include more advanced features. We have also submitted our project to Shapeshift.io and if they were to add BAS we would add Shapeshift functionality to the wallet. Additionally, as an Ethereum token, it may be a trivial matter to be added to a multi-coin wallet such as Jaxx which already includes Shapeshift onboard. Our plan is to release our mobile wallet by the end of 2017 (see Section 5 - Roadmap).

4. Distribution

As mentioned earlier, we plan to distribute the remaining 20 million BAS tokens which are currently not in circulation in a variety of ways. We've chosen this route rather than create an ICO in an effort to jumpstart the BAS economy by getting the majority of BAS into use in day-to-day transactions.

This means we will get BAS into hands of the businesses which will accept BAS for use in commerce and by extension, this gets BAS into the hands of their customers through loyalty points or bonus programs.

The 20 million BAS tokens currently account for 66.7% of the total supply so it is imperative that these find use in day-to-day transactions. To that end, with consultation with businesses which may use BAS we've come up with a number of novel ideas for how to facilitate this.

- BAS used as points in lieu of a traditional loyalty card for frequent customers.
- BAS used to reward customers who pay the listed price for an item rather than haggle in B2C transactions.
- BAS used as a frictionless, near instant means of settlement in B2B transactions across the ASEAN region and beyond.
- BAS used as a reward in regionally produced mobile apps and games in the various nations of ASEAN.

Participating businesses will receive highly visible signs and/or stickers which will state "BitAsean Accepted Here".



Everyday usage in the aforementioned merchant use cases will lead to higher BitAsean and liquidity which benefits all who participate in the BAS ecosystem. However, to achieve this the mobile wallet app will be required so expect the main distribution phase to begin immediately following the release of the mobile wallet. We are currently working on building a network of retailers and merchants willing to participate in the initial phase in Thailand and will look to rapidly scale up this phase to include businesses throughout the ASEAN region.

5. Developmental Roadmap

- June 2017 - BitAsean P-o-W Blockchain Launched
- July 2017 - BitAsean ERC-20 Token Created, P-o-W Blockchain Deprecated, Coin Swap Initiated
- August 2017 - Exchange Launch (EtherDelta, HitBTC), Coin Swap Concluded
- September 2017 - Mobile Wallet Development Begins
- October 2017 - Networking with early adopter (Phase 1) Merchants
- November 2017 - First “BitAsean Accepted Here” Signs and Stickers to Participating Phase 1 Merchants
- December 2017 - Mobile Wallet Released
- Q1 2018 - Marketing and Advertising Campaign
- Q2 2018 - Phase 2 - Increase number of participating merchants.
- Q3 2018 - Seek BAS partners interested in integration in mobile apps and games developed in the ASEAN region
- Q4 2018 - Phase 3 - Increase number of participating merchants to be double what they were in Q2.

6. Market Cap Roadmap

By executing our near-term developmental roadmap and building upon it, we hope to increase the BAS market cap over the next four years as shown below:



7. What is Ethereum and What Are Ethereum Tokens?

According to the Ethereum.org website “Ethereum is a decentralized platform that runs smart contracts.” This is a simple explanation for what is a complex and revolutionary use of blockchain technology first pioneered by Bitcoin. It, therefore, is helpful to illustrate how Ethereum differs from Bitcoin so as to have a better understanding of what Ethereum is.

Bitcoin has been described as digital money or digital gold. Bitcoin originally was created about eight years ago and is used to transfer money from one person or business to another. It is commonly used as a store of value and due to its legacy status, Bitcoin has created the most common way for the public to understand the concept of a decentralized digital currency.

Ethereum differs from Bitcoin because it allows for smart contracts which have been described as highly programmable digital money. This enables one to automatically send money from one person to another only when a certain pre-defined set of conditions are met. This allows for direct, efficient, peer-to-peer transactions which traditionally have involved multiple third parties such as lawyers and escrow agents. With Ethereum, smart contract code can automatically transfer ownership of something from one entity to another with the funds going to the seller once the conditions of a deal are agreed upon without needing a third party to execute on their behalf.



Many of the centralized systems we use today can be and are being built in a decentralized manner on Ethereum. Ethereum makes these transactions trustless which allows for a diverse assortment of decentralized applications. [Decentralization](#) eliminates choke points and single points of failure.

In a nutshell, Ethereum can best be described as infrastructure which allows for the development and deployment of smart contract based decentralized applications.



	ethereum	ethereum tokens
concept	smart contracts platform	digital assets on top of ethereum
market cap	~\$28 billion	~\$2.6 billion
native currency	ether	augur (rep), golem (gnt), aragon (ant), & many more
founder	vitalik buterin and team	varies by project
release method	presale raised \$18M in bitcoin	typically through crowd sales

Ethereum tokens are one such application utilizing Ethereum's smart contract code. An Ethereum token is simply a digital asset being built on top of the Ethereum blockchain infrastructure. Because of this they benefit from Ethereum's existing infrastructure which includes constant development, upgrades and innovation. Instead of developers having to build their own proprietary blockchain they are free to develop actual use of their application or token. Ethereum's developer community came up with a token standard known as ERC-20 which many tokens including BitAsean (BAS) use.

8. BitAsean Token Specifications

Token standard : ETH based token (ERC20)

Contract address : [0x2a05d22db079bc40c2f77a1d1ff703a56e631cc1](https://etherscan.io/address/0x2a05d22db079bc40c2f77a1d1ff703a56e631cc1)

Total coins : 30,000,000 BAS (0.00000001 BAS = 1jk)

Token decimals : 8

Mining : Not mineable

Token symbol : BAS

ICO : No

9. Conclusion

In our increasingly connected region and world, the promise of frictionless, peer-to-peer payment/settlement serves to help businesses transact more effectively and efficiently with each other, alleviate pain-points associated with cross-border commerce, incentivize loyal customers, engage and empower communities. Through the use of blockchain technology and specifically our locally/regionally aimed Ethereum based ERC-20 token known as BAS, we aim to build an economic ecosystem through hands-on guidance and engagement with many businesses and markets where digital currency has yet to make inroads. We offer a solution made in the region for the region. Through network effects, we plan to build BitAsean (BAS) into the digital currency of choice throughout the ASEAN region by thinking regionally and tailoring our approach and offering in a favorable way locally. In doing this we feel we can ultimately realize the incredible potential and promise of this technology for the benefit of all stakeholders in this endeavor.

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