GDAX / DIGITAL ASSET FRAMEWORK

DIGIBYTE

DigiByte
BLOCKCHAIN

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1.0

Does the asset align with our mission and values?

1.1 Open financial system

1.1a Innovation or efficiency gains

DigiByte is a pioneer in the blockchain industry, with major innovations being DigiShield (A dynamic difficulty adjustment algorithm) being implemented now by approximately 2 dozen other large Cryptocurrencies such as ZCash, Bitcoin Gold, Monacoin etc., multi-algo, early adopters of SegWit, and the DigiSpeed hard-fork giving 15 second block timing and dynamically increasing block-sizes that doubles every 2 years.

1.1b Economic Freedom

Large number of audiences can participate in Digibyte thanks to the multi-algo mining. Currently DigiByte supports SHA256, Scrypt, Groestl, Qubit and Skein mining. There is work underway to change some of those algorithms later in 2018 to further encourage even more GPU-based mining (And possibly CPU-based mining), while still supporting SHA256 & Scrypt ASIC miners that may no longer be used for Bitcoin / Litecoin mining.

DigiByte is currently listed on over 4 dozen exchanges, with work currently underway on an additional 3 dozen to support DigiByte to allow ease of access to buy and sell DigiByte between other Cryptocurrencies.

DigiByte is also supported by a variety of payment gateways allowing merchants to easily accept DigiByte in lieu of traditional fiat or other cryptocurrencies, with almost a dozen exchanges supporting the purchase of DigiByte directly with the local fiat currency.

1.1c Equality of opportunity

DigiByte is currently in the process of revamping the Core PC wallet (Windows, Linux, OSX), along with having resubmitted the iOS wallet to the Apple App Store, and a beta version of the new Android SPV wallet is being finalized before being submitted to the Play Store, to allow anybody with a smartphone to participate in sending / receiving DigiByte.
The inclusion of mobile SPV wallets is important so we can have a wider audience including in developing nations, and we're not relying on high bandwidth or high-end cellphones. DigiByte was not an ICO, with no

prioritization or "early adopter bonus", and we treat all mining algorithms completely equally as well.

1.1d Decentralization

DigiByte is one of the most distributed blockchains in existence today, with over 200,000 full nodes being downloaded between the SegWit hard-fork in April 2017 and February 2018. With 5x mining algorithms, some ASIC, some GPU mineable, this further contributes to the decentralization of mining and of network nodes. All transactions are publicly stored on the ledger, there are no off-chain transactions such as Lightning Network, enabling perfect trustless consensus.

2.0
Technology

2.1 Security and Code

2.1a Source Code

The DigiByte Source code is publicly available for both the DigiByte Core Wallet and a number of other related projects on the DigiByte Github: https://github.com/digibyte?tab=repositories

All builds of the wallet are done using Gitian to ensure perfect security and authenticity of the builds, and are tested both manually and through automated unit testing, details of which are all available on the Github link.

2.2b Prototype

DigiByte has had a working mainnet now for 4 years of solid blockchain history. DigiByte is not an ICO and was launched fairly on Jan 10th, 2014.

2.2c Security

When the transaction malleability bug was discovered, DigiByte was the second blockchain globally to implement SegWit in April 2017, as a method of resolving that issue. Security is at the center of DigiByte, both for wallets, users, and security of the Blockchain through the use of our multiple mining algorithms.

2.2 Team

2.2a Founders and Leadership

DigiByte was founded by Jared Tate with the goal of creating a fast and secure blockchain that could reach a wider and more decentralized community than Bitcoin. This vision is well articulated on the digibyte.io website, along with roadmap / plans to evangelize and grow the DigiByte community

2.2b Engineering

The developers working on DigiByte are renowned for their coding capabilities. As a fully-fledged Blockchain since 2014, any goals are purely self-imposed. However, as a coding team, they're currently

working on the first wallet to be released that includes support for creating SegWit addresses, before even Bitcoin releases a wallet.

2.2c Business and Operations

DigiByte was one of the few coins launched around 2014 with a fair and reasonable pre-mine. There was 0.25% given away to the public to encourage early adoption and ensure the coin didn't stall, along with 0.25% supporting development for the first 18 months, both of which is disclosed on the website. This funding supported the coin throughout that development period and the team was able to create DigiShield, along with forking to Multi Algo and subsequently MultiShield all throughout, thanks to the careful governance of their available funds.

2.2d Specialized Knowledge and Key People

DigiByte is an open source, decentralized public blockchain. While there is a non-profit DigiByte foundation which was created to promote, support and expand the reach of the DigiByte brand, DigiByte has no central authority, and instead utilizes five secure and advanced cryptographic mining algorithms to prevent mining centralization. As of time of this writing, the DigiByte blockchain is spread over 200,000 servers, computers, phones, and nodes worldwide.

2.3 Governance

2.3a Consensus Process

The consensus process is spearheaded by the DigiByte Foundation, with miners and nodes able to signify their approval as they did with the SegWit code adoption

2.3b Future Development Funding

Following the initial 18-24 months of development, DigiByte has been developed on an open-source "Anyone can contribute" model. The DigiByte Foundation is accepting donations from both companies and individuals, and the funding there will be distributed to encourage additional code input by developers and remunerate those active developers.

2.3c White Paper

DigiByte is an extension of the Bitcoin vision, a decentralized UTXO Blockchain with on-chain scaling, and just as Litecoin doesn't have a unique White Paper, DigiByte does not either. End-users purchasing DigiByte already have a fully-flegded product with a solid history from the last 4-years which we feel trumps the need for a White Paper.

2.4 Scalability

2.4a Roadmap

The DigiByte Foundation has established a core set of milestones to be achieved in 2018, including an Algorithm Swap of part of the 5 mining algos, to ensure the greatest possible distribution through GPU mining, contributing to the overall health and security of the network. Additional longer-term goals have been set on the DigiByte.io website in addition to these core roadmap goals, though these additional goals have a more flexible time-frame.

2.4b Network Operating Costs

The DigiByte blockchain is already the longest UTXO blockchain in existence, with mathematical projections and predictions being made about the future of the project and ensuring the greatest possible participation from core wallets and miners. This goes back to the earlier statement regarding the mining algorithm swap, meaning scaling is not a problem. The core ongoing operating costs are being covered through the DigiByte Foundation and through community donations.

2.4c Practical Applications

There are a large number of practical applications that are afforded to DigiByte that are not available with other Blockchains with slower block timings or smaller block sizes such as Bitcoin / Litecoin. DigiByte is already in-use being traded in towns in the Netherlands, along with DiguSign.com being used by multinational companies to secure documents / shipping manifests. We've also been announced for Loly.io, which uses the Blockchain to validate and confirm sexual consent as part of a mobile dating application.

2.4d Type of Blockchain

The DigiByte blockchain is a standalone UTXO blockchain. It is not an ICO, nor does it piggy-back off any other blockchain.

3.0

Legal and Compliance

3.1 Regulation

3.1a US Securities Law

DigiByte is not classified as a security using the Coinbase Securities Law Framework.

3.1b Compliance Obligations

DigiByte would not affect Coinbase or GDAX's ability to meet compliance obligations.

3.2 Integrity and Reputational Risk

3.2a User Agreement

We confirm that DigiByte does not constitute a prohibited business under Appendix 1 of the GDAX User Agreement.

4.0

Market Supply

4.1 Liquidity Standards

4.1a Global Market Cap

DigiByte has consistently remained in the Top #100 for market capitalization for several months on end now and has recently reached the Top #50. DigiByte has seen steady and continued growth throughout 2017.

4.1b Asset Velocity

We have seen specifically in the last several weeks that DigiByte has exceeded USD$30million daily trading volume across major exchanges, being listed on so many new exchanges throughout 2017. This is expected to rise as additional exchanges come onboard throughout 2018.

4.1c Circulation

DigiByte has a capped supply of 21 billion coins, with the amount mined by miners decreasing at a rate of 1% per-month, with the supply expected to be mined by approximately the year 2035. We are close to half the supply being in circulation with approximately 9.6 billion being mined as of December 2017.

4.2 Global Distribution

4.2a Total # of Exchanges

DigiByte is currently listed on over 50 different Exchanges.

4.2b Geographic Distribution

DigiByte is available worldwide, and available on a number of Decentralized Exchanges such as BlockNet, CryptoBridge and BarterDex.

4.2c Fiat and Crypto Pairs

DigiByte is available to be traded in a dozen different fiat pairings and with other crypto pairings.

4.2d Exchange Volume Distribution

DigiByte trading volumes vary depending on the size and liquidity of the exchange.

5.0

Market Demand

5.1 Demand

5.1a Customer Demand

We have seen a significant amount of people dissatisfied with how things through Bitcoin are being handled, and along with the 1000:1 ratio of DigiByte : Bitcoin, we are seeing a high demand for an ultra-fast transactional cryptocurrency with a focus on security that can be used on a day-to-day basis by the global population.

5.1b Developers and Contributors

The growing developer base has been incredibly active of late pushing out the DigiByte Core Wallet refresh, along with new DigiByte wallets for Android, iOS, and the recently released (November) DigiByte Go Wallet (SPV) extension for Chrome, along with DigiByte adding support for hardware wallets such as Trezor and Ledger

5.1c Community Activity

The DigiByte community has seen rapid growth that has coincided with the growing daily trade-volume and increase in value throughout 2017. Predominantly centered around Telegram, for real-time discussion and announcements from the Core team (See: DigiByte Alerts channel), our community is also active on Bitcointalk, Reddit, Discord, Facebook and more.

5.1d External Stakeholders

DigiByte is an independent self-governed decentralized Blockchain with all users / investors of the Blockchain being considered as the "stakeholders". There is no central company controlling DigiByte.

6.0

Crypto Economics

6.1 Economic Incentives

6.1a Type of Token

DigiByte is a 100% pure Proof-of-Work blockchain.

6.1b Token Utility

DigiByte is an ultra-fast blockchain that crosses all global borders, and while there is no "interest" gained from holding onto DigiByte in the form of additional DigiBytes via a proof-of-stake mechanism, DigiByte is cementing itself as a global leader in blockchain security as well as real-time payment technology.

6.1c Inflation (Money Supply)

The total supply is 21 billion DigiByte, with additional coins being mined at a decreasing rate of 1% per-month.

6.1d Rewards and Penalties

Miners are incentivized even more-so on DigiByte than almost any other blockchain to "behave" as good mining citizens, as a 51% attack is significantly more difficult through the use of our multi-algo situation. Attackers would need 93% of the primary algo, and 51% of the remaining, ensuring that should the entire Bitcoin SHA256 hashpower show up to attack the DigiByte network, they would have no chance in manipulation of the network. Combined with additional measures thanks to DigiBytes MultiShield, miners have no reason to attempt any form of manipulation.

6.2 Token Sale Structure

6.2a Security

DigiByte is based off the Bitcoin Core and has already shown to be rapid at responding to development needs as and when required.

6.2b Participation Equality

DigiByte was fairly launched in January 2014, allowing the fairest distribution possible. Combined with multi-algo, this also allows both ASIC and GPU-based miners to participate in the mining process.

6.2c Team Ownership

The DigiByte team does not control a monopolizing stake, nor do they retain a percentage of all newly minted coins. The distribution puts everyone on a 100% equal footing with no advantage given to the DigiByte developers or Foundation. Any DigiByte obtained are through the developers or foundation ambassadors own individual means.

6.2d Transparency

DigiByte publicly disclosed the distribution of all the initial 0.25% that was pre-mined to fund the original 18 months of development, along with the 0.25% that was distributed to interested members of the public in the early years to encourage growth and foster enthusiasm

6.2e Total Supply

The original 0.25% that was retained by the DigiByte development team has been used, and there is no portion retained for / by them. The total supply of 21 billion has been clear from the very beginning with no additional DigiByte being minted after the supply has been mined by approx 2035

6.2f Ethics or Code of Conduct

DigiByte is an open source, decentralized project and therefore has no centralized governing authority. While both the DigiByte development team and the DigiByte Foundation strive to espouse honesty and integrity in all aspects of development and promotion of the DigiByte blockchain, as a decentralized, trustless blockchain, the DigiByte community at large must self police and self regulate their own activities. The DigiByte development team and the DigiByte Foundation were created to support and champion the DigiByte cause, but have no express or implied policing authority.

DigiByte Media Info Sheet

Tried & Tested Tech
The DigiByte blockchain has been battle-hardened and tested for over 4 years now, based on the most proven blockchain technology.

World's Longest Major Blockchain
Growing to 6 million blocks, the DigiByte blockchain has encountered and over-come scalability issues not yet seen by most other major blockchains. These innovations will continue into ongoing development.

Large Community
DigiByte has one of the largest, most engaged and decentralized communities in today's blockchain space, adding new users every day.

More Resistant to Hacking Control
DigiByte security is far more resilient to a 51% attack than other leading block-chains, making it an ideal asset for protecting valuable data.

WWW.DIGIBYTE.IO

DigiByte (DGB) is a rapidly growing global blockchain with a focus on cybersecurity for digital payments & decentralized applications. Over 4 years, DigiByte has become the world's fastest, longest and most decentralized UTXO blockchain.

Factsheet

Inception: **Jan 20th 2014**
Ticker: **DGB**
Concept: **PoW**
Creator: **Jared Tate**
Max supply: **21,000,000,000**

Block time: **15s**
TPS: **560+**
Fees: **<0.0005 DGB**
Wallet DLs: **200k**
Code: **Open Source**
Wallets: **Windows, Linux, MacOS, iOS, Android, Hardware**

Premine: **0.5%**
Mining: **5 algorithms**
Difficulty: **Adaptive**
Tech: **DigiShield, SegWit**
Security: **High**

Useful Links

https://digibyte.io
https://en.wikipedia.org/wiki/DigiByte
https://digibytefoundation.org
https://promotedgb.com
https://digusign.com
https://coinmarketcap.com/currencies/digibyte
https://github.com/digibyte/digibyte-logos
https://playground.digibyte.io
https://github.com/digibyte/digibyte