

String: Next-Gen Blockchain Network

The primary problem yet to be solved in blockchain technology today are scalability, privacy leakage, and personally identifiable information that dox identity¹. We address this directly with our cutting edge technology network String.

String is the first of its kind end-to-end encrypted blockchain. This means access to the blockchain is connected to the standard encryption wallet key and the data within the blockchain remains fully encrypted through consensus and transaction completion. Considered the “holy-grail” of blockchain capabilities, String facilitates protocols for creating private accounts, private transactions, and private NFTs, while maintaining a public chain. Adjunct to its baseline protocol, String is capable of providing permissioned read-only 1:1 decentralized regulatory (DREG) access through its encryption technology and structure. In this way, we can facilitate the needs for decentralized finance and traditional finance, while maintaining decentralization and privacy.

The String3 ecosystem mission is to utilize our network and community to bring tools that augment the lives of all individuals, establish equilibrium between traditional and decentralized finance, and address wealth distribution by bringing previously inaccessible tangible asset investments to all investors. We envision a financial and social operating system that provides a better path and a more optimistic outlook for future-proofing p2p blockchain technology as it is today. Our platform will allay investor fears of tangibility and safety in accessing acquiring services across the blockchain ecosystem. In doing so our network String integrates a single asset that spans the global token and securities space presenting a clear unifying vehicle to enact this change.

There are currently 5042 cryptocurrencies in the marketplace with a total MarketCap of 2.2 trillion USD and a future MarketCap of 100 Trillion USD. There are only 150 native tokens & non-ethereum tokens. There have only been 3 organizations to have successfully entered the digital securities based approach to blockchain and cryptocurrency. None of these projects have yet to provide fractionalized investment strategies for global digital securities. There are 1 trillion USD worth of securities transacted daily. In addition, securities are considered fully tangible assets insured by institutions and exist as issuable assets in every country today.

The total user base of existing decentralized applications is 2.1 million². Meaning 000.022658227% of the global population use these applications. There are currently 100000 Axios Infinity game users. .04 percent actually purchase intangible NFTs on the platform. In a recent survey of 100 blockchain industry veterans, 80 individuals voted that defi was the largest space in blockchain. 10 individuals claimed digital securities was the most significant sector of growth in blockchain. 7 individuals viewed supply chain as the most significant sector of growth. Finally 3 percent of participants viewed healthcare as the biggest use of blockchain.

Our encryption technology and architecture allows us to achieve first to market in bringing blockchain applications that require regulatory transparency and privacy. String protocol is directly suited for Tradfi, healthcare, and supply chain. Initially, we plan to apply String directly to traditional finance (Tradfi) use cases. We stress that decentralized finance addresses major peer-to-peer financial concepts that may be translated directly to the traditional financial space.

These are the major systems that may be translated from Decentralized Finance to Traditional Finance on String:

1. **Liquidity:** Ownership of securities allows investors to provide p2p liquidity for trading these assets and earn passive revenue.
2. **Trading:** Ownership of digitized securities allows investors to directly trade and swap these securities.
3. **Staking:** The continuous validation of the network by its participants ensures that inflationary rewards of our token are spread across the community.
4. **Commodities:** Peer-to-Peer Consigned commodities provide investors from all backgrounds access to purchasable and tradable commodities. In today's market most commodities offerings are limited to major rare metals, etc. We intend to offer a broad range of commodities through consignment.
5. **Asset-backed lending:** Tangible securities and assets are ripe for lending opportunities for investors.
6. **Anti-inflationary tools:** Reverse repos swaps are currently seeing 1 trillion in transactions through the federal government daily. Fiat may be traded for temporary securities holdings in order to improve monetary supply and hedge against inflation. Although this Federal lending program is only available to banks. We can provide these mechanisms to our participants.

¹ <https://www.ijctjournal.org/2019/Volume-67%20Issue-4/IJCTT-V67I4P103.pdf>

² <https://dapp.review/article/274/2020-Q2-Dapp-Market-Report-by-DappReview>

Contact: Kochan “Ace” Desai; email: ace@ftnow.us; tel: 910-922-7079

In conclusion, we ask that investors consider what we are and the gravity of what we strive to achieve. In constructing our platform, we create the following value positive IP related items that will cover ROI on investment:

1. **Interoperability:** A transactional currency that operates between traditional finance (tradfi) and decentralized finance (defi) meaning the transactional volume of String spans both spaces.
2. **Alternative Trading System:** Only 50 ATS licenses exist in the securities space today.
3. **Core Encryption Technology:** FHE (Fully Homomorphic Encryption)³, the holy grail of encryption and PRE (Proxy Re-Encryption), cutting edge trustless data sharing technology.
4. **Traction:** Web3 grant application and top industry professional support.
5. **Single Use Interface:** Our Cloud DAPP structure allows for one space to access all decentralized services

The value of String token grows as more transactions are placed across the platform whether the transactions are in the global token space or the securities space. String tokens may be traded for any existing asset across the global token or securities space making it an easily liquidable asset for investors.

We view blockchain as a solution to a problem, not an end-all. At this time, blockchain is suited technologically for helping industry quite a lot. As time passes, so does technological growth. We aim to remain adaptable in our use of technology to reach our long-term dominance goals within the cryptocurrency space in every capacity. Our approach to competition will be to improve existing and burgeoning technologies by enhancing integration, decentralization and interoperability, while maintaining our own infrastructure.

In response to the opportunity manifested by today's marketplace, our plan is to create such an engine of force and adoption & give every single citizen of this world a new opportunity to get into cryptocurrency from the very beginning. We will begin by making a massive impact on the industry as well as introducing private accounts, private transactions and private smart contracts through infrastructure not yet available in the blockchain.

- Phase I: (1) Introduce community growth and development initiative. (2) Adapt initial prototype end-to-end encrypted blockchain algorithm and rebuild the initial "TestNet: version blockchain in Substrate. This begins with the monetary transactions system (3) Establish strong relationships with Substrate builder's guild and Web3 foundation.
- Phase II: (1) Establish clear policies and protocols that phase-implement "TestNet". It follows that (1) our rebuilt prototype substrate based blockchain be promoted to "TestNet", (2) adapt decentralized identity management protocol v1 (DID & KYC/AML) , (3) Develop String sso wallet and platform interface for web and mobile. Integrate DAPP with development apis (4) Begin early-stage frame working for smart contracts system. (5) File for ATS via SEC filing.
- Phase III: (1) Test and promote platform into production (2) Adapt, Develop encrypted smart contracts system and integrate with transactions node. (3) Integrate public node operators and staking in "TestNet" (4) Pursue Reg-A securities token benchmarking and sales (5) Release segue exchange product. (6) Promote "TestNet" to "MainNet".

The development of String is supported by Fractal Technology. At Fractal Technology, we are building tomorrow's enterprise. To put it simply, we bring the best talent together to solve the most challenging problems. We are integrators of the web3 & blockchain ecosystem, nurturing a permissionless, decentralized, & trustless world. Fractal Technology has been in business for three years and seven months. Fractal Technology is not only a member of, but also chairs the INCITS/T3 Open Systems / Open Distributed Processing and US TAG to JTC1/SC6, an international formal standards committee and a direct advisory to the US Chamber of Commerce and NIST. String and Fractal Technology are minority-owned organizations.

To accomplish our mission, we need financial resources to enable our plan. Time-wise, each phase of the three phases above will be nine months with Phase III starting three months before the end of Phase II. Thus, the project is eighteen months long. The project manager is Kochan "Ace" Desai. In addition to the product manager, Fractal Technology will engage sixteen software development professionals, one marketing director, two sales representatives, one business analyst, two community managers, and one video producer. Our formal launch date is on/before November 25, 2021. **To fully accomplish our objectives, it is essential that we receive the financial resources required, which are Phase I: NLT 25 November 2021 - \$333750, Phase II: NLT 25 February 2022 - \$422200, Phase III: NLT 25 April 2022 - \$391200**

³ <https://eprint.iacr.org/2015/1192.pdf>

Contact: Kochan "Ace" Desai;email:ace@ftnow.us;tel:910-922-7079