FESSCHAIN

FUTURE OF ELECTRONIC SETTLEMENT SYSTEM

Whitepaper V2.0

TABLE OF CONTENTS

Introduction To Blockchain & Its Existing Challenges

Blockchain technology has grown astronomically over the last decade. It has opened up new avenues and possibilities to optimize the way we interact, transact, and exchange value over the internet. The technology has played a major role in revolutionizing the age-old concept of centralized storage, by enabling decentralized record-keeping without any single point of failure.

Moreover, it has also introduced factors like financial independence, non-dependence on third parties for economic transactions. Most importantly, blockchain has allowed us to have control over our data.

As the world persisted with blockchain, it has found several potential applications of the technology. Major global organizations are exploring these opportunities. It is fair to say that they have become much more inclusive in terms of embracing cutting-edge technologies. Hence, it is a great time to invest in blockchain, and harness its features to create real-time applications.

Having said that, like every other evolving technology, blockchain also has its own set of limitations. The limitations which are acting as a major setback towards the technology's adoption in the mainstream. A few of the primary ones are security, scalability, and speed.
Infrastructure-wise most blockchain technologies are overloaded with a huge amount of transactional data being recorded every single second. The whole concept of blockchain is based on the fact that each block stores new data, while linking itself with the data history from previous blocks. This inherent structure is not alone sufficient to process such huge volumes of data.

After a certain point in time, it becomes overwhelming for the blockchain to consistently process new data, link it with previous blocks, and maintain overall data integrity. As a result of this, the transaction speed becomes extremely slow. It further directly impacts the technology's scalability potential, when used in heavy-duty applications that demand huge data handling capability.

Additionally, a blockchain network is loaded with thousands of nodes working simultaneously to authenticate and verify data. This makes it extremely vulnerable to hacks and attacks. If carried out diligently, these attacks can gain control of a major chunk of the network, thus defying the underlying concept of blockchain i.e. decentralization.

FESSChain: Background

At FESSChain, we have addressed all of the above issues. We believe, that our multi-layered blockchain can overcome these limitations, and put blockchain technology to use for real-life applications. While our product is well-suited for several use-cases, we have primarily focused on optimizing electronic settlements by enhancing its speed and security.

Over the last year or so, we have made considerable progress at FESS Chain. Here is a brief account:

Time Frame	Progress
May 2019	Conceptualization Completed, FESS Chain Website Launched One Pager Released, Bounty & Airdrop Launched, Pre-Private Sale Went Live
June 2019	Whitepaper V1.0 Released, Pre-Private Sale Completed Private Sale Went Live
July 2019	Announced Pre IEO on 3 Exchanges, Established Partnerships with Quillhash and Bitcoinus
August 2019	Pre-IEO Sale Went Live on Bitcoinus, Vindax, and ExMarkets, Pre-IEO Concluded, Established Partnerships with Z-Pay & Blockcloud
October 2019	Established Partnership with Asia Blockchain Review
November 2019	Established Product Partnership with Bitmart
December 2019	Established Partnership with Spectrum
February 2020	Announced IEO on DigiFinex, Concluded Private Sale
April 2020	Launched our first Teaser, Announced our first Product

In Whitepaper V1.0, we had explained our entire concept in detail, along with our roadmap for future development. As mentioned above, we have stuck by the timeline (and missed some of them too), and have made timely progress with FESSChain.

FESSChain: Background

However, as we have moved ahead with our project, we got better insights about the feasibility of blockchain technology, and what the end-consumer demands out of it. Hence, after the hard work of more than one year and research, we are here. Along with our partners, we have slightly changed our technical architecture to make our technology and product(s) more useful for real-time applications.

Previously we were following a Proof of Proof consensus mechanism, and now we have decided to shift our underlying architecture to Proof of Work. Before we move on to the 'why and how' of that shift, here is a summary of our Whitepaper 1.0, so that you can better understand the technical transition.

Whitepaper V1.0: Technical Summary

FESSChain is an open blockchain designed to address and solve the pain points in the existing electronic transaction system. Our sole aim is to enhance security and scalability in blockchain without compromising the speed. During conceptualization, we had laid down a specific set of goals that we wanted to achieve through FESSChain

- Develop a universal settlement system on our blockchain that offers both security and high transactional speed, while maintaining a decentralized workflow.
- Develop a decentralized fiat-less economy.
- Build a decentralized ecosystem for a variety of goods and services.
- Optimize and secure all supply chain frameworks to our blockchain.
- Execute ZERO BUDGET AGRICULTURE through an efficient supply chain.
- Offer cross-chain transaction facility to existing exchanges in the crypto-space.

To achieve these goals, we had adopted Proof of Proof (based on Proof of Work) consensus. With it, we want to ensure that our blockchain remains technically secure, devoid of attacks. Additionally, scalable at the same time with the capability of processing high-speed transactions. We also acknowledged the robustness and credibility of the bitcoin blockchain and implemented its security features in our blockchain-based solution. .

3.1. Understanding the Proof of Proof (PoP) Mechanism

Our entire technical architecture had been conceptualized based on PoP combined with AI and a few basic features of sharding, which deployed a unique authentication and verification method. Based on this architecture, every block mined on our blockchain is first verified with blocks mined on the Bitcoin blockchain and/or the timestamp of each transaction within the block.
The major advantage of this mechanism is that a multi-layered system ensures that the network remains unhackable. Even if its security is compromised, the very next block identifies that and returns to the last-verified block.

Hence to sum it up, FESSChain is a multi-layered blockchain that verifies and then records every transaction via a unique 2-step authentication method - Tallying the transaction with its timestamp or with blocks mined on the Bitcoin blockchain or both.

3.2. FESSChain - Working Mechanism & Technical Framework

Our entire technical architecture had been conceptualized based on PoP combined with AI and a few basic features of sharding, which deployed a unique authentication and verification method. Based on this architecture, every block mined on our blockchain is first verified with blocks mined on the Bitcoin blockchain and/or the timestamp of each transaction within the block.
The major advantage of this mechanism is that a multi-layered system ensures that the network remains unhackable. Even if its security is compromised, the very next block identifies that and returns to the last-verified block.

Hence to sum it up, FESSChain is a multi-layered blockchain that verifies and then records every transaction via a unique 2-step authentication method - Tallying the transaction with its timestamp or with blocks mined on the Bitcoin blockchain or both.

We have maintained a strong stance throughout our project, about drastically improving the transaction speed. To achieve that, we implemented a method that can potentially process 450-900 tp/s. This method involves the fragmented and parallel processing of transactions, through which our blockchain's core power will be divided into multiple fragments to enable simultaneous and parallel processing, thus reducing the excessive load on a single node.

One of the main reasons why blockchain becomes slow in terms of transaction speed over time, is the excessive load on certain nodes to verify, process, and record huge amounts of transactional data. However, our AI-powered technology will enable fragmented and parallel processing by creating one or more sub-chains, and transfer the additional data which is causing a burden on the main chain.

This process will be entirely handled with integrated AI. The creation of sub-chains and the transfer of excessive data to those sub-chains will happen as per the need of the blockchain at a certain point in time. A confusion may take place here as this process named 'fragmented and parallel processing of transactions' with sharding. However, it is significantly different.

In the case of sharding, the data is stored in a distributed manner across nodes, which eventually jams up the system after a certain point. Our system, on the other hand, relieves the nodes of excessive data and transfers that data to a parallel sub-chain, thus reducing the burden on the main chain.

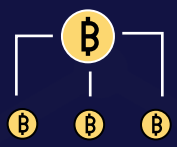
All of the above concepts are implemented in FESSChain through a technical arrangement termed Neutrino Framework. It deploys the Proof of Proof mechanism (now Proof of Stake) to verify and record data on the blockchain, through a previously-mentioned procedure called 'Fragmented and parallel processing of transactions.'

Please follow the self-explanatory diagram given below to understand the workflow of FESSChain under the Neutrino Framework.

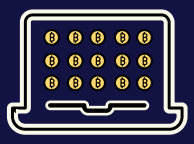
7.1 Neutrino Framework

1 Multi Transactions Requested

2 Transactional Data Created into Blocks



3 Blocks Sent To Parent Node And Fragmented Into Unit Parts Possible

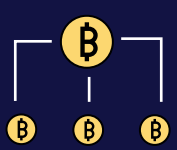


4 Sent To Randomly Created Vurtual Nodes From AvailabLe Nodes In Network To Process

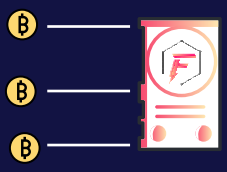
5 Sub-Nodes to Validate The Work & Data Sent

6 Blocks are Added To The Exisitng Blockchain

7 Every Block Is verified With the Bitcoin's Mined Blocks



8 Relevant Data Is Saved In Fesschain Blockchain



9 Transaction is Completed

3.3. Summing Up Whitepaper 1.0

The above-mentioned processes have given the desired result (in terms of transaction speed and scalability potential) in previous trials. Though we have also figured out an alternative mechanism to further optimize to enhance the outcome.

We have addressed all the shortcomings in the Proof of Stake (PoS) Algorithm, and have decided to selectively migrate from previous algorithm arrangements. We have decided to move to PoS consensus from our existing PoP mechanism.

In the next section, we will first explain the reason behind this technical shift, and then move on to the premise of our Whitepaper V2.0 in the subsequent sections.

Migrating From Proof of Proof To Proof of Stake

One of the major reasons behind our initial inclination towards the Proof of Proof mechanism was the added layer of security that comes with a 2-step authentication procedure of every transaction on the blockchain. Having said that, at the end of the day, PoP is an extended architecture of the Proof of Work mechanism.

Proof of Work is a resource-intensive mechanism and it's a fact. This consensus rewards network participants based on their mining power. This requires them to have heavy mining software, which is both expensive and energy-consuming. Hence, only the privileged ones with a lot of resources can participate and earn rewards. This brings in a certain degree of centralization, and that is not what we vouch for.
At FESSChain, our approach since the very beginning has been to design our ecosystem in an all-inclusive manner. An ecosystem where everyone can participate irrespective of their capability background. Unfortunately, we experienced that the PoP algorithm was defying the central idea of the foundations of FESSChain to a certain extent. Hence, we have decided to move our technical foundation to Proof of Stake (PoS).

Proof of Stake (PoS)

Proof of Stake (PoS) is a consensus mechanism that rewards participants based on the number of coins they hold (have staked). Unlike PoW, where only individuals with proof of mining (which requires cost and energy-intensive setups) have a say in the network activities.

Ceteris paribus, Proof of Stake (PoS) advocates more inclusion as it doesn't discriminate. It defines participants as validators, rather than miners. All they have to do is stake some of their assets (coins), and bet on the next block that might be added to the chain. Once that block is added, the validators are rewarded.

To sum it up, PoS allows individuals to participate in the network without having to spend heavy computational resources. Instead, they can simply use their staked coins to participate in the network. The PoS consensus mechanism has certain advantages over Proof of Work. These include:

It is economically easy for crypto enthusiasts to indulge in the blockchain network, as PoS is not resource-intensive in terms of computational power and electricity consumption.

- PoS is environmentally friendly as it is far less energy-hungry in comparison to PoW. Although people are moving towards green energy resources for mining but cutting the energy requirements is always a better solution.

- Under PoW arrangements, there is a chance for some miners to get an unfair advantage over others. It's because of their privileged access to mining resources. On the flip side, even after spending costly resources, miners might not earn any rewards at all, if the block does not get added due to lack of consensus. This unfair loss is virtually impossible in the case of PoS.

Migrating From Proof of Proof To Proof of Stake

- We admit PoS has centralization concerns but when compared to PoW, PoS instills a greater degree of decentralization. It allows individuals to participate and have a say in the overall transaction validation process, even without access to costly resources.

- From an economic fairness perspective, PoS plays a better role in reducing the gap between the rich and poor. It allows even holders with small stakes to participate in the miner rewards by delegating some of their stakes. It allows anyone irrespective of their economic background to indulge themselves in the blockchain network.

- Moreover, PoS also plays a pro-active role in triggering blockchain adoption throughout various economic classes & sects of the world. It is viable at places where PoW consensus can't be even dreamt of due to the paucity of resources.

- Migrating to PoS allowed us to touch greater heights in terms of data throughputs which was limited up to 900 tp/s with previous arrangements.

Based on all of the above factors, and our quest to achieve maximum decentralization & inclusivity, we have decided to adopt the Proof of Stake consensus mechanism for FESSChain. Though we were a bit reluctant about the security aspect of PoS, the implementation of Casper protocol* has solved that issue.

As of now, FESSChain has become a PoS-based blockchain, powered by the Neutrino framework that enables fragmented and parallel processing of transactions to avoid network overloading and ensure fast data throughout

FESSChain - Revised Technical Architecture

Based on the previously explained PoS Consensus mechanism and Neutrino Framework, we have built our blockchain independently on Java 11 without using any third-party frameworks. We have only used a few third-party libraries to create the foundation for our blockchain. These include -

- Maven
- Bouncycastle (For cryptographic functionality)
- JSON (To generate JSON objects with API response)
- MAPdb (To serialize validated data and enable quick restarting of nodes without having to re-validate previously validated blocks)
- Progresbar (For validation progress outputting to the console)

Apart from these, we have also used several advanced algorithms to process transactions on our blockchain. These include:

SHA256, ECDSA, and HEX (To process signing for transaction data involving 'from, to, amount, and timestamp'.)

SHA256, ripemd160, and HEX (To generate addresses above a random string)

Based on these frameworks, mechanisms, and algorithms, here is a detailed explanation of various workflows involving transaction processing on FESS Chain. We have previously explained the workflow of our PoP powered Neutrino framework diagrammatically. (Refer Section 3.2).

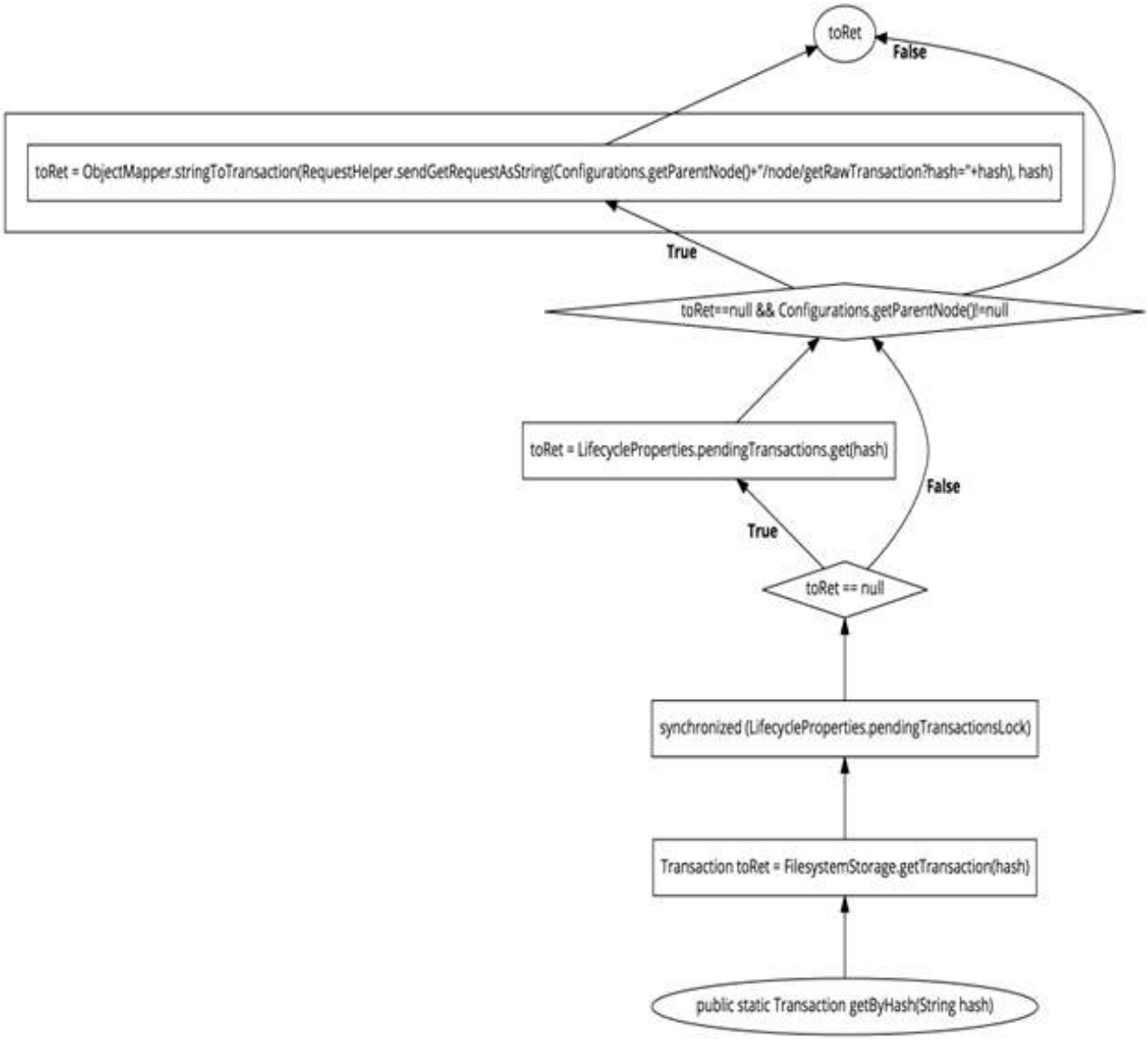
In this section, we will understand how the transactions are being processed on the back-end (via PoS powered Neutrino framework) while maintaining security and high transaction speed.

5.1. Testnet Details and Methodical Workflows

5.1.1. Method for getting transactions between nodes.

The transaction between nodes is achieved through Block Synchronization. The main reason behind this is the fact that, during the initial loading of the blockchain, the transfer of individual blocks along with transaction details can drastically increase the load on the network, thereby slowing down the transaction speed. Hence, we synchronize the blocks with one another to streamline this entire process.

To process a transaction, a node first sends a processing request to one of the validators in the network, who then checks the source of the transaction in the system storage. In case, it does not tally, then the validator checks for it in the transaction pool. Once matched, the transaction is processed between the nodes.



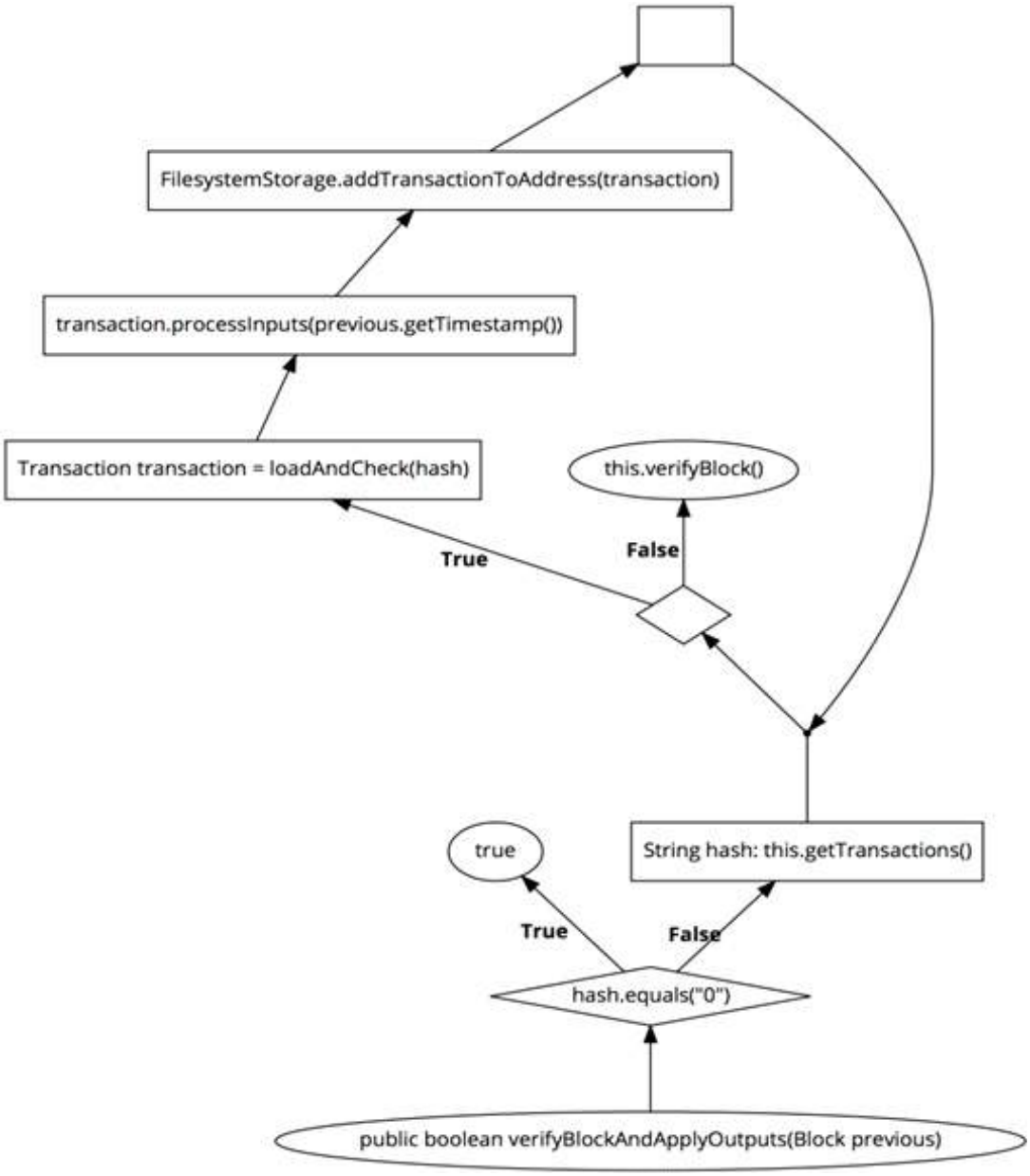
5.1.2. The method that runs a chain of events on a received block.

As transactions get processed between nodes, those also get recorded on blocks, and the recipient block executes a set of events to ensure authentication while recording the transactions.

The recipient block executes the following:

1. It checks the hash of the received transaction and its link to the previous block.
2. It retrieves the loadAndCheck (hash) from the previous block (including transaction details like address, timestamp, etc. from the previous method description and also signature verification)

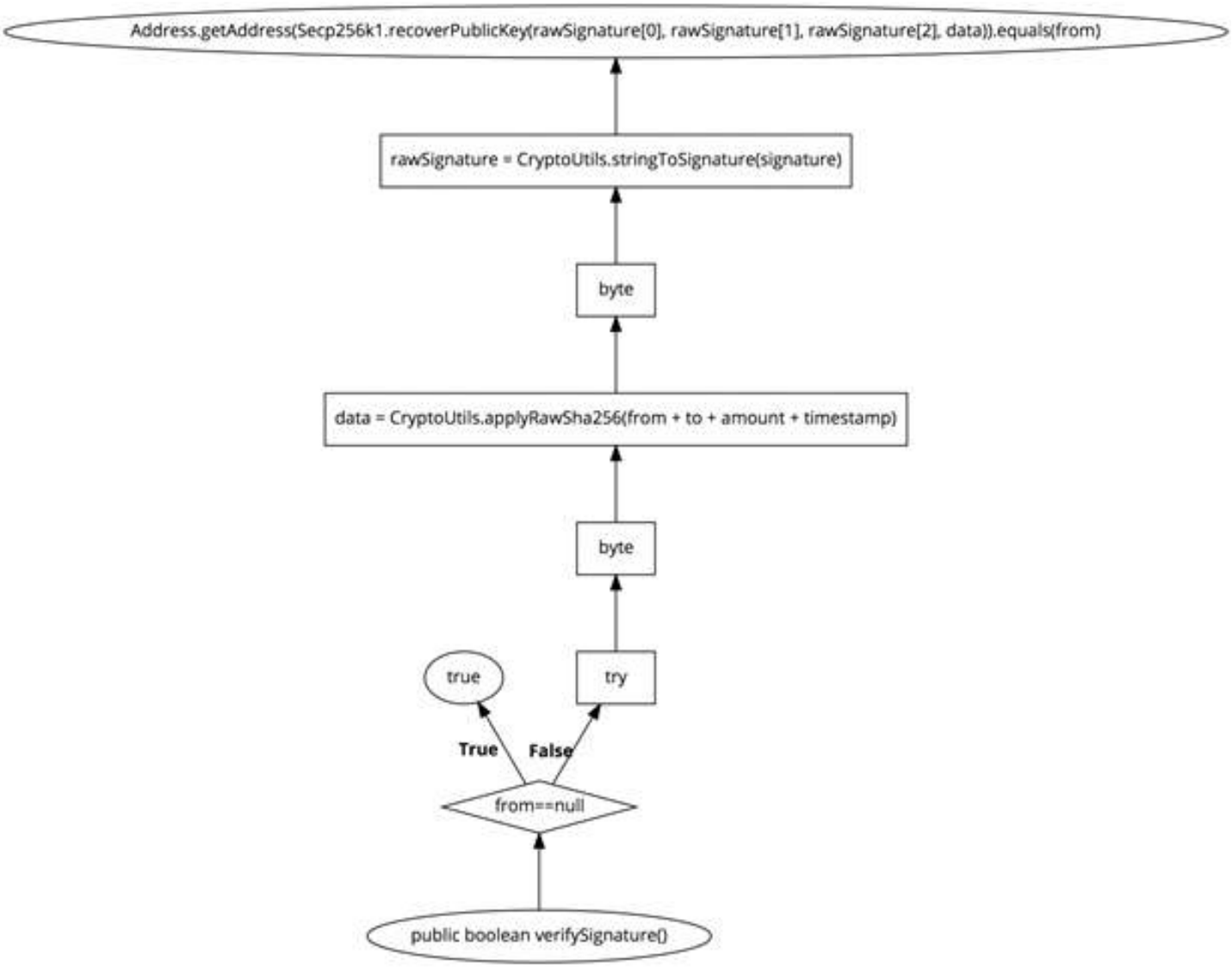
Once these processes are executed successfully, the transaction gets recorded in the recipient block.



5.1.3. The signature verification.

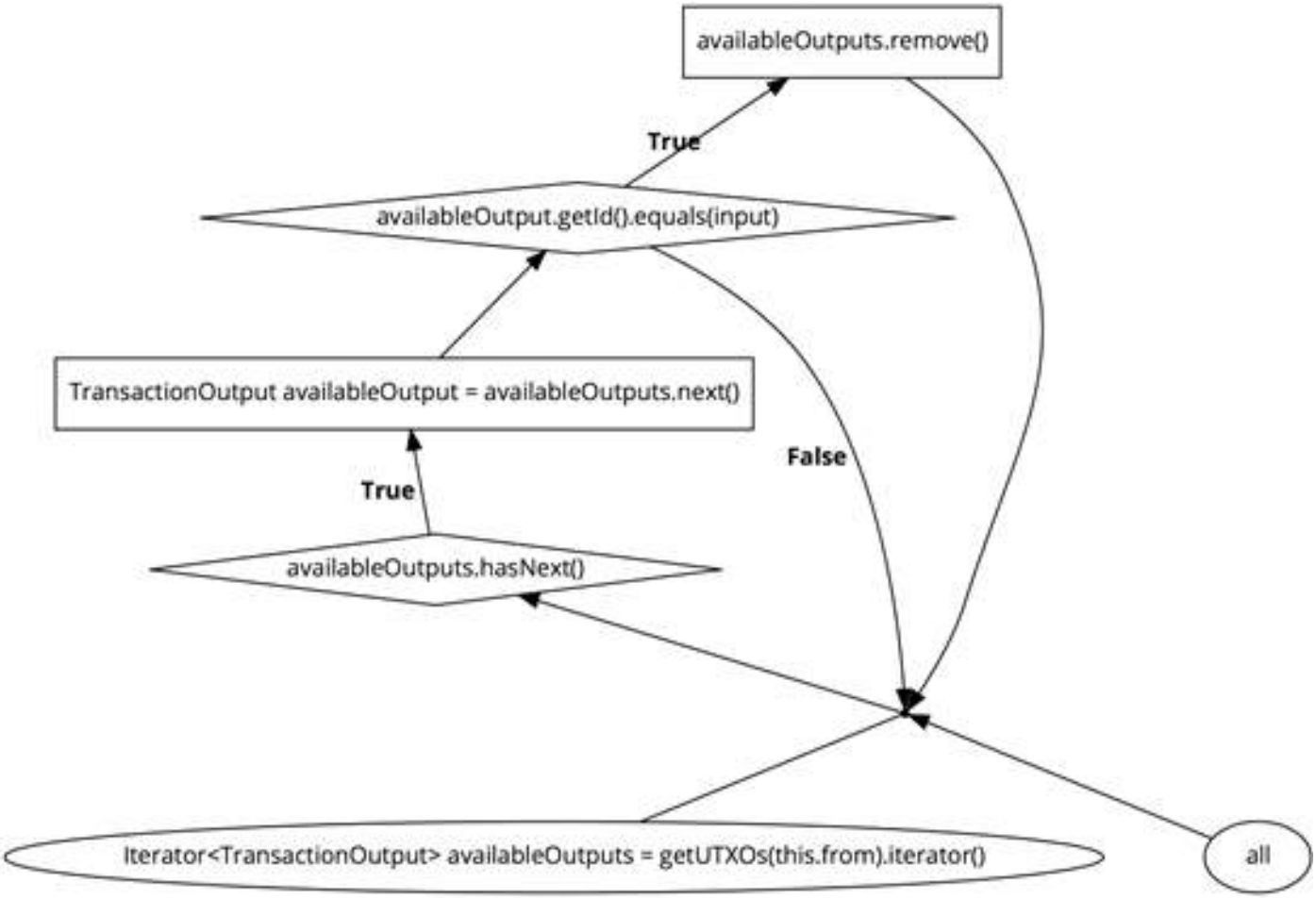
Signature verification is an important aspect of the interaction between multiple nodes. As previously mentioned, validators play a crucial role by verifying the requested transaction with the system storage and/or transaction pool, before sending it across to the receiving node. The receiving node then conducts signature verification to ensure that the transaction is authentic.

This is achieved through a set of algorithms (SHA256, ECDSA, and HEX) to verify important transaction parameters like - sender address, recipient address, amount, and timestamp. This ensures that the transaction was sent from a specific address using the right key.



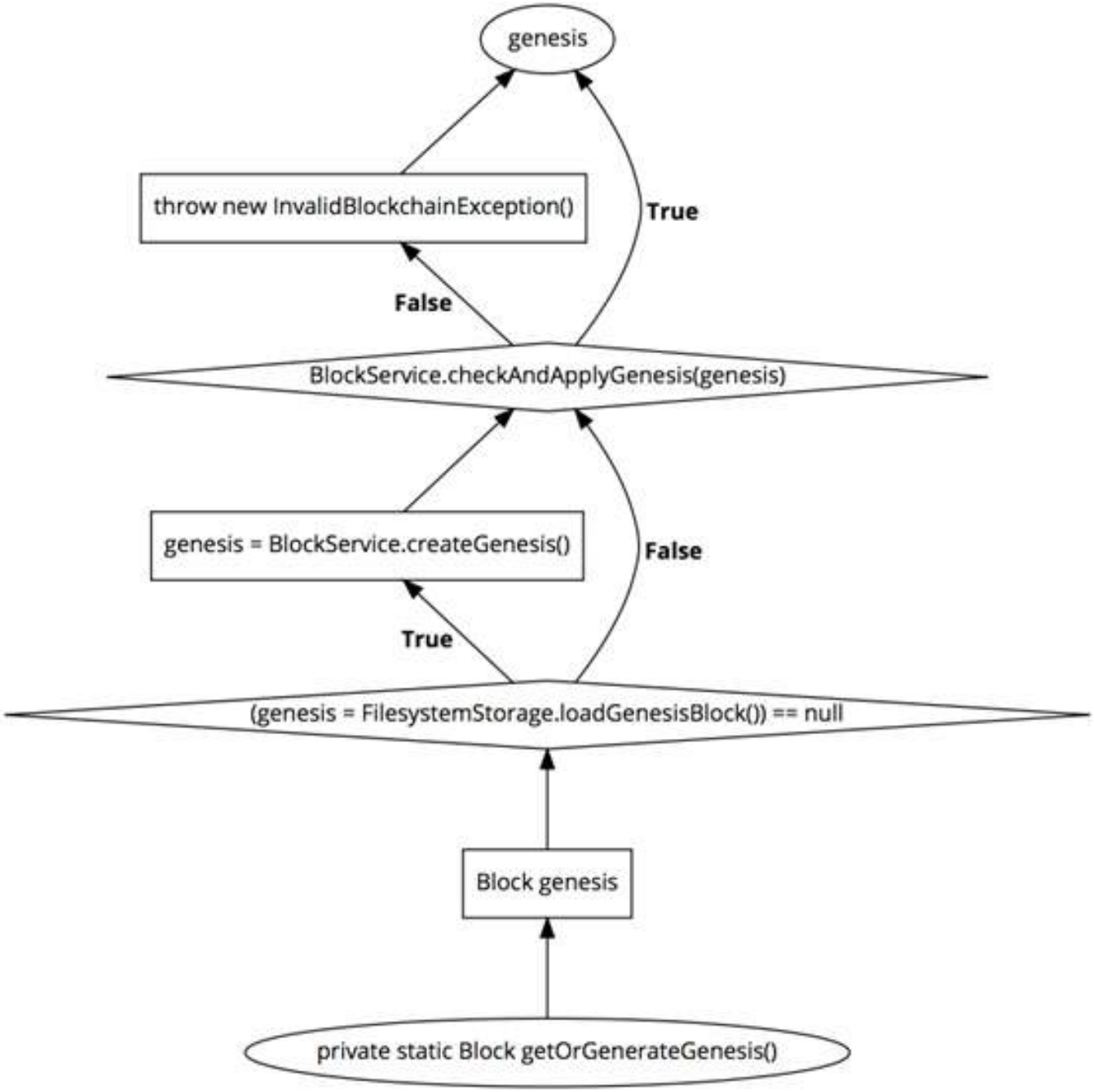
5.1.4. Detailed scheme of the application of inputs/outputs:

To send funds, the address must have UTXO on the basis of which you can spend money, as well as always make sure about the origin and (genuineness) of the user's funds.



5.1.5. A Genesis block check:

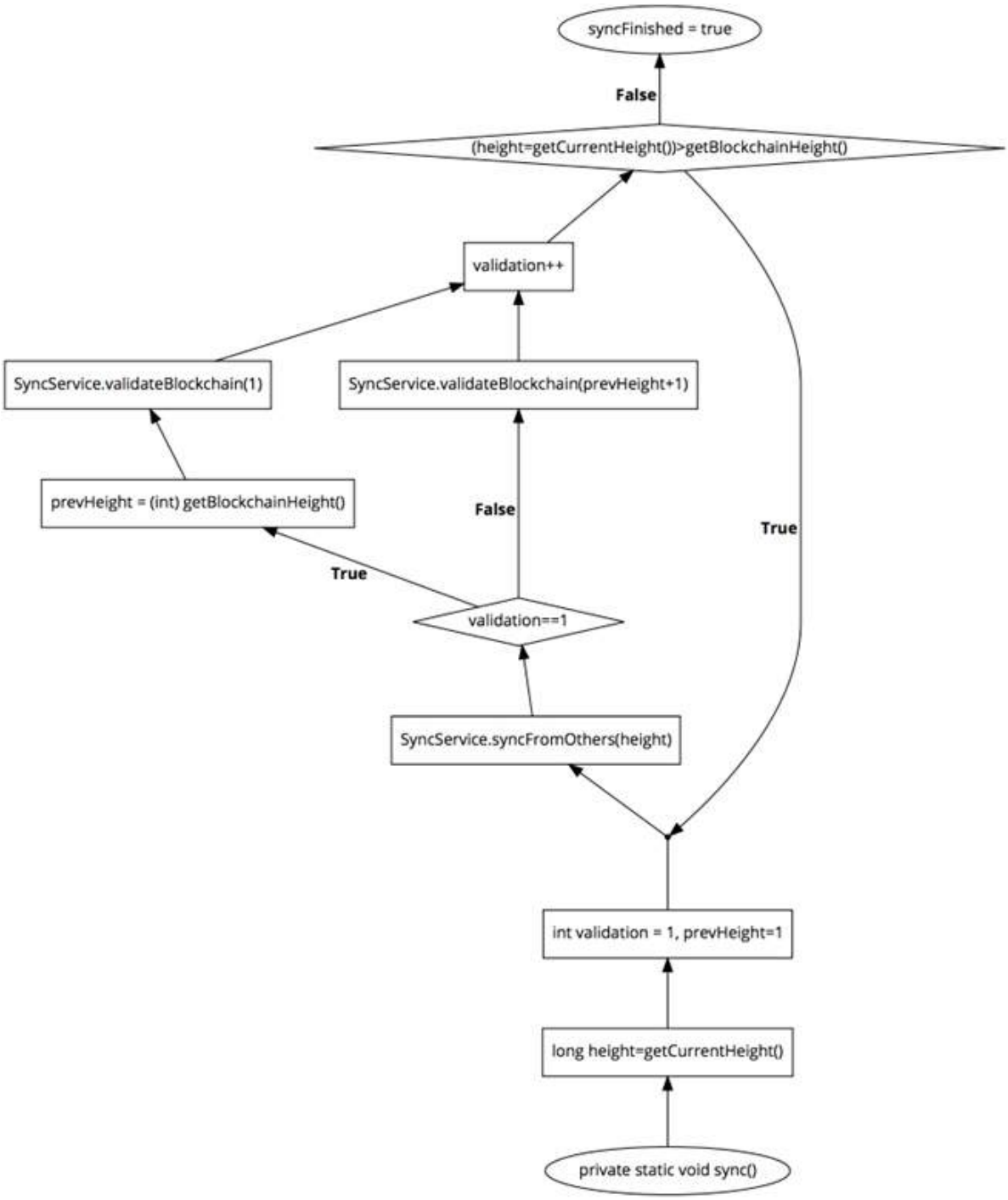
The generation of a Genesis block to launch a new node (+ Fork/ Testnet).
In the case of launching on an existing Blockchain, the availability of Genesis is necessary no less than the rest of Blockchain. Also, the correctness (the hash of the initial issue), as well as other data, is checked. And what is also really important, is that the initial UTXOs are applied.



5.1.6. The process of synchronization and validation:

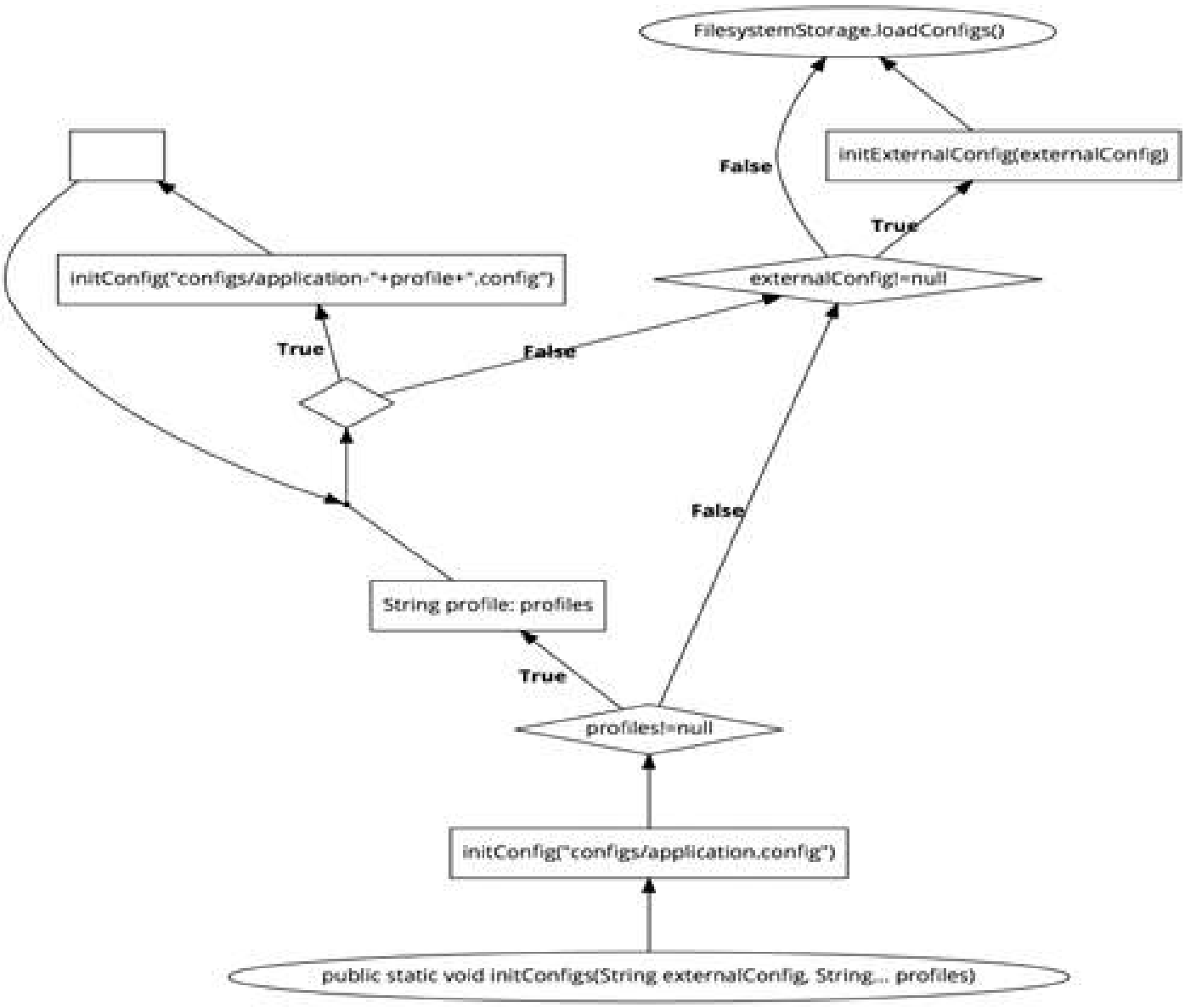
It can be produced both from the very first block, and from a specific one. The check is valid for the last block in the blockchain.

Also in the scheme, the process is visible, when during the validation of blocks, the new ones were generated. Thus, additional loading and validation of the last blocks is performed.

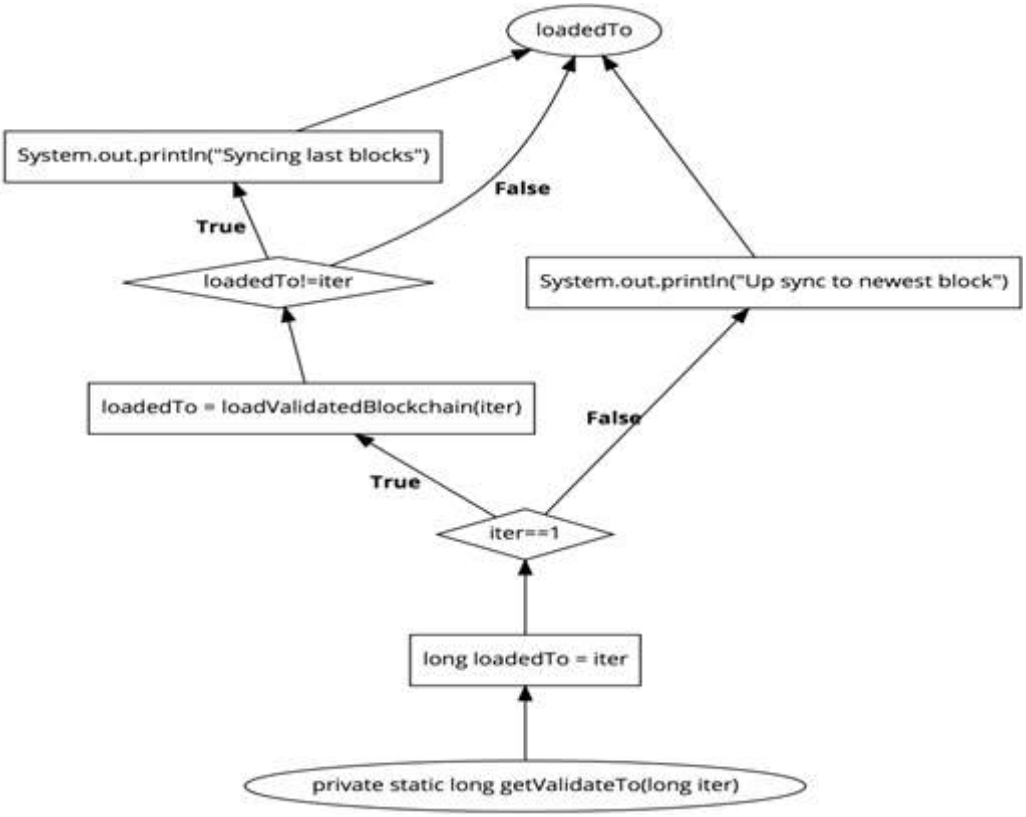


5.1.7. The scheme for configuring and initializing file configurations:

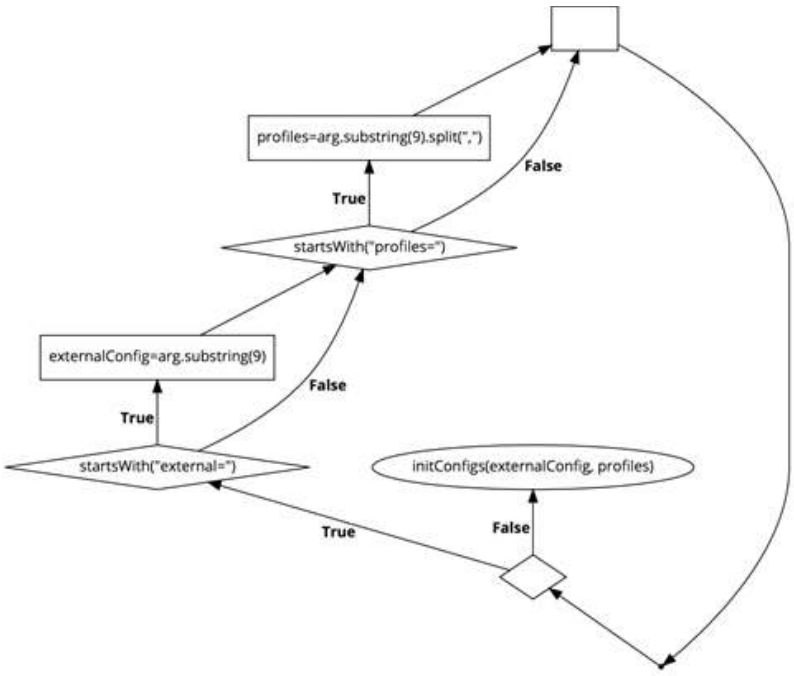
Which can be specified when the node starts. At the same time, it is possible to specify the profile configuration, which serializes the current configuration to a directory with other configurations. To use profiles, it will be enough to specify only the profile name.



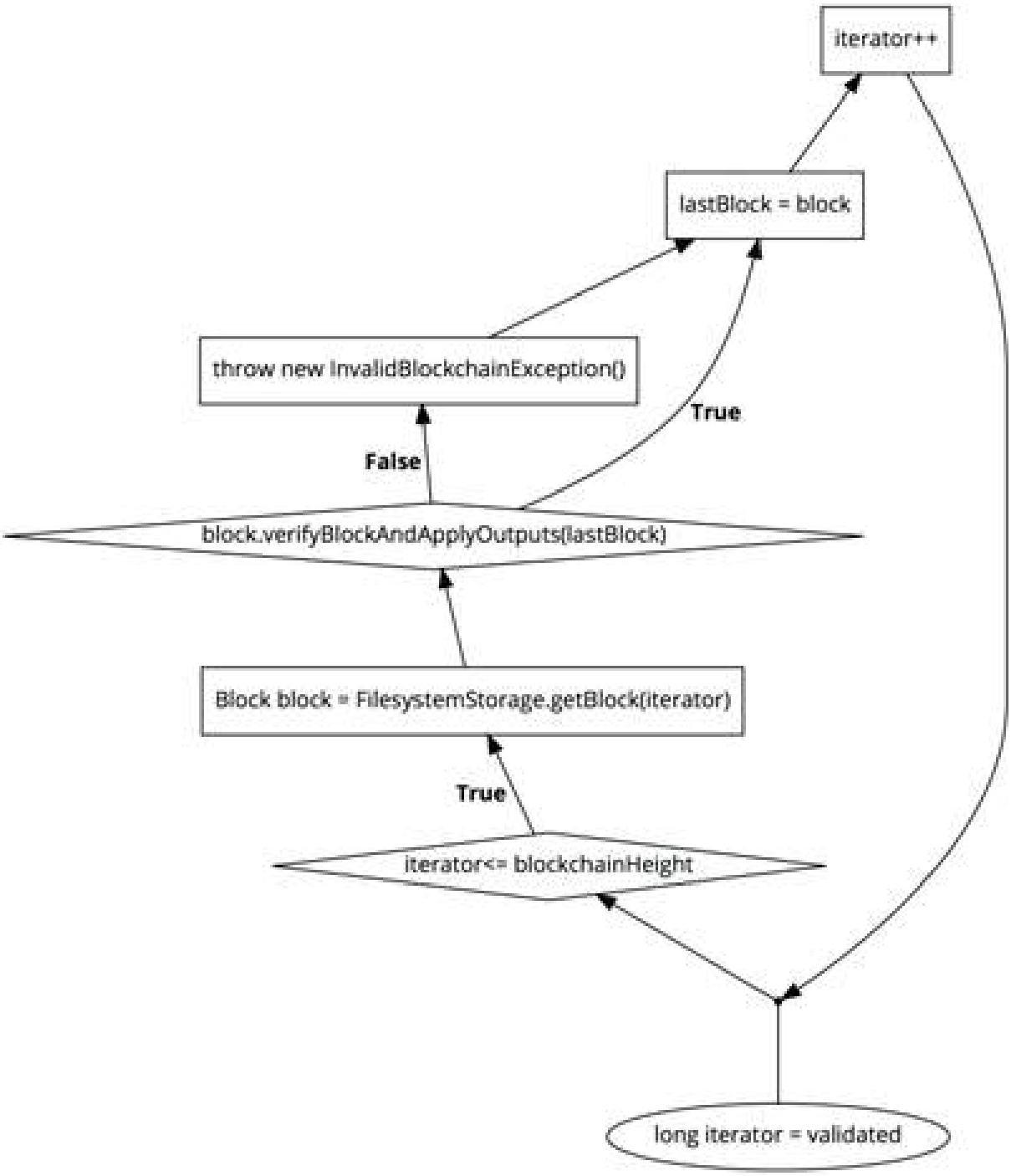
Partial Validation



Node Start



Blocks Validation



5.2. Working of DApps & Smart Contracts on FESSChain

At FESSChain, we believe that the greater the real-life use-cases of decentralized applications, the better is the probability of blockchain's mainstream adoption. However, the process of deploying DApps using smart contracts is extremely inefficient in existing blockchains. Here are the basic architectural flaws behind it:

- High gas fee required for DApps deployment using smart contracts (Technology should be available in a cost-effective manner to the largest possible audience, without which it cannot be considered as a usable solution)
- The heavy dependence on nodes' processing capacity.
- The inconvenience caused by the multi-lingual technical interface for different operations. i.e. - Solidity, JSON RPC, etc.
- The lack of multi-tasking capability, thus slowing down the entire process of Dapp deployment.

With FESSChain, deployment of DApps is seamless, and here is why:

- Zero Gas Fee.
- It takes only 0.00001/MB data to deploy a DApp on FESSChain
- Our architecture is tailor-made to deploy DApps, as Node setup and operation are extremely cost-effective.
- Single-language compilation for the whole process.
- With FESSChain, the operational processing power has no real concerns. Our algorithms are designed in a manner that even the weakest non-mining node can with stand full-fledged mining operations, that too by only dedicating 1% of its processing power.
- FESS smart contracts can handle multifunctional tasks bilaterally. A single smart contract is capable enough to perform multi-level operations within the FESSChain ecosystem.
- Our entire architecture is powered by an AI-based mechanism that allows us to deploy advanced DApps with ease. These DApps are capable of acting together on a single task and/or executing multiple tasks at one time.

FESSChain also enables the creation of advanced smart contracts, which are an important aspect of any blockchain-based operation.

Moreover, our Neutrino Framework is powered by an AI-enabled feature called VOF1.1 (Velocity Operational Fraction), which enhances throughput, speed, and security by breaking the data into the smallest possible units and processing it in a fragmented manner.

Interestingly, this process also allows a lot of room for scalability, as our network is never loaded with excessive data. All transactions are processed in a fragmented and parallel scheme.

With such a robust technical architecture and strong multi-tasking capabilities, our platform is well-equipped to handle heavy-duty applications of large scale in commercial organizations. The biggest reason behind FESSChain being the go-to platform for commercial purposes is its **never-ending scope for scalability.**

Our Products & Applications

We, at FESS Chain, aim to bring our advanced blockchain to use for real-life applications. In that context, here are the various products and applications of FESS Chain.

6.1. BitHind - A Global Cryptocurrency Exchange

Most of the existing cryptocurrency exchanges pose certain challenges and drawbacks, which hinder the potential of a true user-oriented cryptocurrency trading. These eventually also affect the potential of crypto adoption in the mainstream.

At FESSChain, we have developed a global cryptocurrency exchange named BitHind after considering all those issues. We have made sure that Bithind is a user-friendly and flexible cryptocurrency exchange that caters to the needs of all trader classes - irrespective of whether they are professionals or amateurs.
Our approach of operation will be user-oriented and for that, we have launched a beta version to take feedbacks from the users first and then launch it officially.

Moreover, Bithind also adds a significant amount of convenience for crypto-traders with its advanced trading tools, flexible trading capability, simple UI, and a high level of security.

6.1.1. Bithind Features

Bithind is a global cryptocurrency exchange with a perfect balance between functionalities, technical robustness, security, and convenience for users. It is equipped with the following features that are aligned with our idea of providing a seamless trading experience.

6.1.1.1. Trading Convenience:

- Easy and Quick Signup
- Instant deposits, trading, and withdrawals without KYC*
- Single Click Quick View Dashboard
- Low transaction fee
- Pre-listed FESS Tokens which can be used for various trading activities within the platform and beyond.
- Single-page trading view
- Dynamic Trading Charts
- Linked Balance Order Books
- 24/7 Live Support via Email and Chat for prompt grievance settlement

Our Products & Applications

6.1.1.2. Crypto Trading Facilities:

- Multi-level trading commission structure
- Functionalities like Limit Orders, Market Orders, and Stop Orders
- Options Trading
- Margin Trading
- Derivative Trading

6.1.1.3. Technical Robustness:

Bithind houses a super-fast trading engine equipped with Artificial Intelligence capabilities. This allows us to ensure that it can handle the high trading volume, and also execute fast order execution for high volume transactions.

6.1.1.4. Security:

- Multi-layered Security Features.
- SSL, Cloudflare and DDos Protection
- Two-factor authentication(2FA) for login and withdrawals
- Manual verification for high-value withdrawals

6.1.1.5. KYC Features

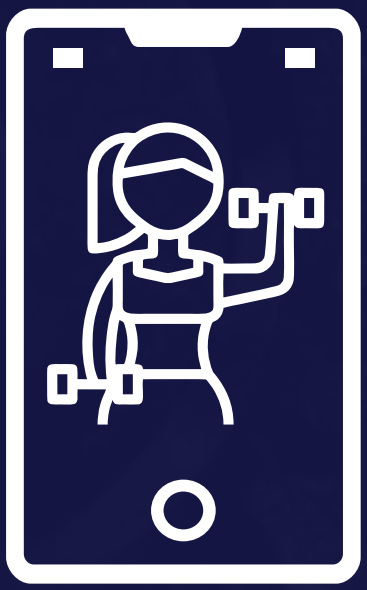
We execute KYC processes separately for Indian and international users to maintain transparency and security. However, at Bithind, the KYC approval processes are extremely quick. So traders can simply apply for their KYC with relevant documents and we process & approve the request at the earliest after a detailed verification process.

6.2. E-commerce Platform

E-commerce is one of the most dominant platforms which poses an extreme threat to user data and their privacy. Our aim at FESSChain is to enable shoppers to interact with an e-commerce platform for their shopping requirements that is highly secure, and respects the privacy of the user.

Hence, as one of the most exciting applications of FESSChain, we will be re-launching our pre-existing e-commerce platform with an added layer of security by harnessing the power of blockchain and cryptography.

6.3. Fitness Training Application



The trend of health and fitness has grown massive over the years - irrespective of age, gender, and profession. However, in today's fast-paced life, people hardly have the time to hit the gym and are hence looking for virtual solutions that can guide them through their fitness goals with adequate resources and an easy-to-use interface.

Aligned with these aspects and our motto of providing data privacy & security, we are launching a unique virtual fitness training experience through a decentralized application on FESS Chain.

6.4. Supply Chain Framework

The logistics and supply chain sector is the core of transactions worth billions of dollars across multiple industries throughout the world. However, it is still crippled with factors like dishonest third party players. Data theft, counterfeiting, inefficient record-keeping, etc. These pose a humungous threat to valuable data being leaked to various entities. Additionally, the centralized nature of today's logistics and supply chain industry plays a massive role in further strengthening the above-mentioned inefficiencies.

At FESSChain, we are building a decentralized supply chain framework that addresses and solves the above issues. We are also making sure that it is perfect synchronisation in various industries and domains. Currently, we are in the final phases of testing it and will make it available for commercial use soon.

6.5. In-house DApps Platform

We have already discussed the existing constraints of blockchain technology (Refer section 1), as a result of which its potential has not yet been fully realized.

At FESSChain, we have addressed all of those constraints and have come up with a unique solution that promoted blockchain as a scalable technology with numerous applications. In that context, our in-house DApps (decentralized applications) platform is a hub for innovation, which supports and also facilitates the deployment of various kinds of applications. This platform comes with several use-cases.

Also, the platform will be well-equipped to handle various requirements. It will be helpful for all major establishments including commercial, educational, health, ITES, Travel, Retail etc.

Initially we will be positioning this platform for decentralized commercial applications. It will allow us to understand and solve the operational as well as technical challenges better.

6.6. Content Sharing Platform

Most of today's content sharing solutions are inefficient in terms of security, user-friendliness, as well as revenue sharing between creators and publishers. At FESSChain, we are creating a blockchain-based content sharing platform that will cater to all content curation, development, and sharing requirements in a hassle-free and secure manner.

The platform will also empower content creators through fair and timely revenue sharing. It will be also powered by the highly secure and advanced smart contracts on FESSChain.

6.7. Publishing Platform

It is evident that many talented authors fail to publish their books. Mostly it's because of the non-transparent and painstaking process of going around publishers. The publishers don't want to take risk and only entertain those with a proven track record.

The Honchos of the project personally experienced this problem and decided to rope in a solution for same. FESSChain's book publishing platform follows the ideal of inclusivity. It allows authors, irrespective of their previous experience, to independently publish their work in front of a large audience.

This ambitious author-friendly platform will be encouraging for the aspiring wordsmiths to showcase their talent. The product is in the pipeline and may take a while to see the ground of realities. The team is working hard to make it as user-friendly and accessible as possible.

6.8. FESSLEXO

This is one of the flagship products of FESS Chain. It is specifically aimed towards the law practices. The current practices and mode of litigations is pretty lethargic. Currently Also, the tedious paperwork involved in every step makes it real inefficient. And time killing process.

With FESSLEXO, we aim to solve day to day litigation and other operational challenges through our own technology. With the deployment of FESSChain it will be armed with advanced technology and smart contracts only to make this process faster and efficient.

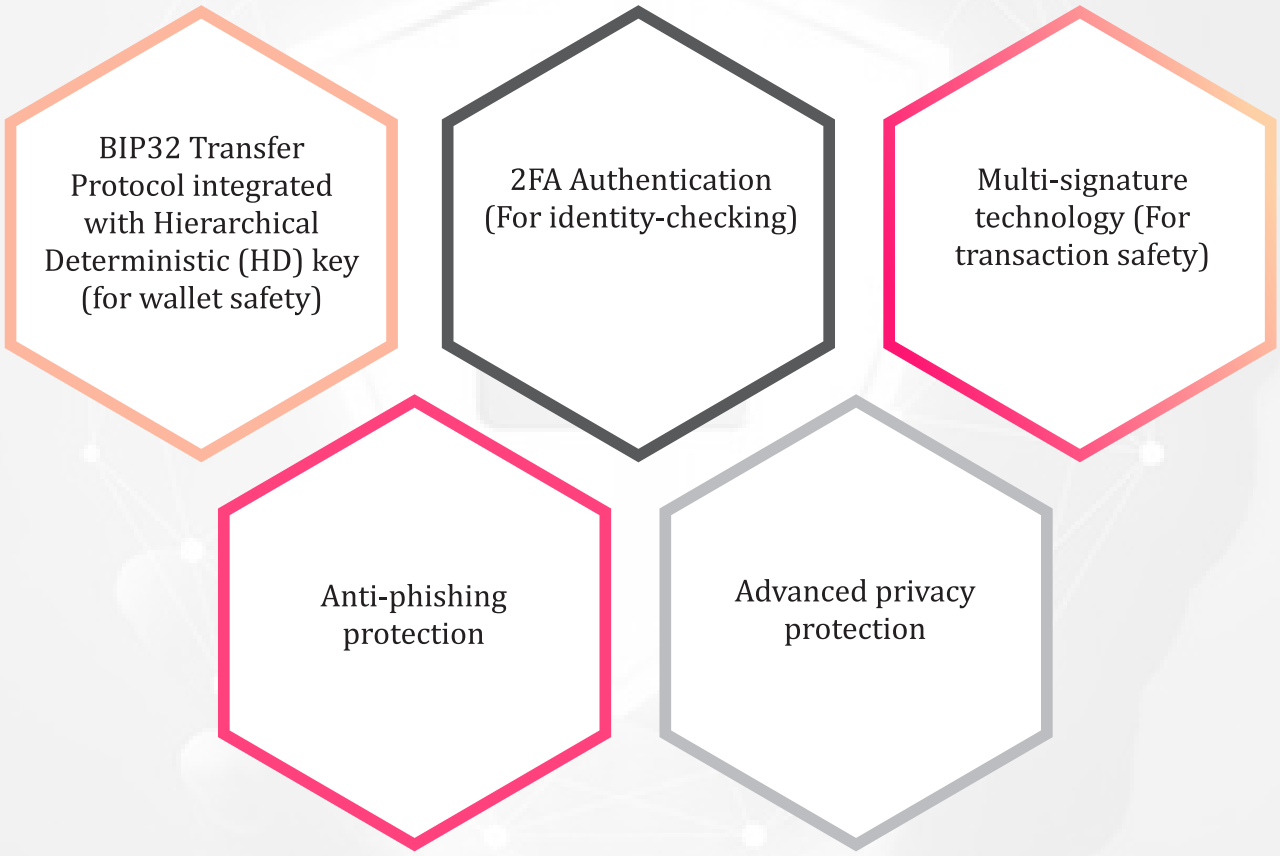
Blockchain technology has the underlying features of privacy, security, transparency, and speed. With FESSLEXO, we are harnessing these attributes to potentially revolutionize the law industry and make the job easier for law practitioners.

FESSChain - Security Features

From the very beginning, security has been the pivot around which FESSChain came into existence. We understand, that people's trust in blockchain technology. The potential, and possible use cases can only be achieved by developing a platform that delivers a top-class security.

We even believe that the presence or lack of security features in blockchain will ultimately make or break its adoption in the mainstream. Aligned with these concepts, we have developed a platform that has a technically robust and secure working mechanism (refer section 5).

Apart from that, we have also added multiple security layers to keep user data and funds completely safe. We had previously explained all of these security features in our whitepaper V1.0. Here is a brief summary of the security features at FESS Chain:



Along with our already secure technical architecture, these added layers of security make FESS Chain one of the most trustable platforms in terms of user safety and security.

FESS Tokens

The entire ecosystem of FESSChain is powered by an Ethereum based ERC-20 token named FESS. All activities and services within the ecosystem will be facilitated by FESS. The token is publically listed and can be found on multiple global cryptocurrency exchanges (including BitHind).

Apart from being a token that has financial value, FESS also holds a certain intrinsic value, which adds real-life value. With FESS Tokens users can:

- Pay for FESS Chain services and products within the ecosystem
- Pay for services and products to vendors accepting FESS as a payment method
- Pay for staking, service packages, transaction fee, listing fee on Bithind - FESSChain's in-house Global cryptocurrency exchange.
- Use it for paying processing and gas fees to create smart contracts on FESSChain.
- Use it for cross-border payments.

Please Note:
FESS Token holders will be able to access products and services within the ecosystem at a discounted rate. They will also be eligible for regular reward programs, running time to time via FESSChain.

Token Allocated for Sale
6% (600 Million)

Token Allocated for Team & Corporation
24% (2.4 Billion) (Partially Unlock)

Token Allocated for Mining
25% (2.5 Billion)

Token Allocated for Development & FESS drop
34.4% (3.44 Billion) (Situational Unlock)

Token Allocated for Airdrop / Bounty & others
0.5% (50 Million)

Token Allocated for Maintenance (Reserved)
10% (1 Billion)

Token Allocated for ICO Marketing Expenses
0.1% (10 Million)

The Team: Brains behind FESSChain

Mr. Durga Prasad Tripathi
Founder

Serial Entrepreneur, Blockchain Developer,
Law Grad, Stock Market Analyst
Founder and Ex-CEO KDK Capital Analyst

Mr. Praveen Kumar Sahani
Co-Founder

Techie, Law Grad, Stock Market Analyst
Co-founder and Ex-COO KDK
Capital Analyst

Mr. Mehtab Mehdi
CTO & Senior AI expert

Programming Veteran,
Published Tech Author
Data Science and ML Expert

Mr. Alok Mishra
Chief Product & Marketing

Digital Marketer and IBM Certified DS
Growth Hacker, Content Strategist at Exosis,
Blogging and Content Marketing Maven

Mr. Shoaib Malik
VP - Creative Operations

Corporate Branding Expert,
Graphic Maven, Designer,
Content Creator and Marketer

Mr.Mohit Gupta
Head - Design & Graphics

Media Graphics Expert,
UI & UX Designer, Crypto Enthusiast
Previously with eTV and ZEE Media

The Team: Brains behind FESSChain

Mr. Sunny Dutta
Manager Operations

Crypto Trader and Analyst with
3 years of Experience in
Community and Resource Management

Mr. Priyank Gupta

Head - Marketing Strategy & Research

Previously Managed and Promoted
communities of Nanohealthcare, Quarkchain,
DOS Network, Harmony, Waltonchain,
Blockcloud and Experty

Mr.Prashant Parashar
Manager - Marketing & Operations

2 Yrs Exp. in
Business Development &
Crypto Project Management

Vivek Singh
Head - Resource Development

Investor and Trader

Disclaimer

This document and all other documents published by FESSChain relate to a token offering to contributors for the development and use of this platform. The whitepaper has not been examined by any regulatory authority, thus barring any action to be taken by regulatory authorities under any jurisdiction. FESSChain disclaims all responsibility for any direct or consequential loss or damage of any kind whatsoever arising directly or indirectly from:

i. Reliance on any information contained in this document.
ii. Any error, omission or inaccuracy in any such information.
iii. Any action resulting therefrom, or
iv. Usage or acquisition of Fesschain products and services, available on the website and other electronic platforms.

Furthermore, this document does not endorse any offer for securities or a promotion, invitation, or solicitation for investment purposes. The terms of the contributions are not intended to be a financial service offering document or a prospectus. Token purchase is subject to risk and does not represent equity, shares, units, royalties or rights to capital, profit or income in the platform or software or in the entity that issues tokens or any other company or intellectual property associated with the platform or any other public or private enterprise, corporation, foundation or other entity in any jurisdiction.

This whitepaper is for information purposes only and is subject to change.

Additional Resources & Contact Details

At FESSChain, we are constantly working to improve our platform further. To keep up with the latest updates regarding product development, launch details, token sale details, etc. please follow us on:

Facebook: https://www.facebook.com/fesschain/
Twitter: https://twitter.com/fesschain
Instagram: https://www.instagram.com/officialfess/
LinkedIn: https://www.linkedin.com/company/fesschain/
Medium: https://medium.com/fesschain
Join us on Telegram: https://t.me/fesschain

Official Website: https://fesschain.live/

To have a better idea about the progress of FESSChain and its underlying technical details, please refer to our Whitepaper V1.0

FESSCHAIN

FUTURE OF ELECTRONIC SETTLEMENT SYSTEM

THANK YOU

Follow Us On

Visit Us At: www.fesschain.live

For Any Doubts or Issues drop us an Email at: Info@fesschain.live