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Overview

The world, as we know, is undergoing rapid transformation in technology, where analogue is being absolute and digital being the norm. This transformation also reflects in how we communicate with our outlay. The recent decade has seen a major adaptation in digital spending over the traditional form. More and more users are moving towards digital transactions finding it advantageous in the given spectrum.

With the spectrum increasing and our world coming closer, digital spending is swiftly spreading its wings across the globe, carving a persistent path towards block chain and crypto currencies. The users quickly adapt themselves to the newer technology whereas the government bodies stay back and are trying to reconcile themselves to the newer version of the technology. The word “Crypto currency” is now familiar among the public, while the government jolts and tries to regulate the digital asset in order to protect its sovereignty.

This is where DEONI creates a bridge between the newer adaption and old conformist governing body, at the same time safeguarding the interests of its users. DEONI block chain and its native currency DEO is the first ever crypto currency which can be regulated by the state or the government, while securing user privacy. Read on, to learn more about the workings of DEONI.

“DEONI firmly believes that the future growth of digital currency depends on working along with the Government.”



Government Compliance

Without compromising block chain's integrity and user privacy, DEONI block chain is structured in a way that the digital spending is transparent to the government and not to the public.

Each transaction and smart contract made by the users of DEONI can be accounted by the government with the help of a dedicated web services called www.deoniscan.world. To provide absolute privacy of the users, the web portal is designed so that transaction made by the citizens can only be surveyed by their own Government. With DEONI's secure transactions, the government can achieve legal compliance to monitor and track activities involving crypto currencies. Such access eliminates the dependencies on exchanges, for gathering relevant information in the world of digital currency. These in turn reduce Anti-Money Laundering in a country, promoting overall growth and improving national economy.

The Government can monitor activities of their citizens, through DEONI, in a very secure manner. The transparency factor combined with the secure transactions is the right step towards streamlining digital currency.

User Privacy

Even though block chain promises a wide range of expedience. The current DeFi (Decentralized Finance) is very transparent where anyone can view any and all financial details in a block chain. Such transparency is akin to peeping into someone's wallet.

The word "decentralizations" is a key concept; however when decentralization extending into user's privacy is always not a congenial factor.

DEONI solves this inconvenience by implementing Zero Knowledge Proof, Absolute user privacy and security are achieved through ZKP technology. Both validation and identification are stored using ZKP where user's financial details are greatly secured. Thus, empowering the users to dictate and control who can access their transaction details.

Protocol

DEONI block chain implements a revolutionary concept called Neuro Cluster Chain, where all nodes can participate in validation without staking. The nodes can range from a normal mobile phone, Tablet, laptops, PC or a server.

A core advantage of DEONI's block chain is it is resilient to SYBIL and 51% attack. By adopting our innovative 2-layer protocol called Neuro Cluster Chain and MOBIUS, 100% throughput can be attained, and attacks can be overcome. Learn more about DEONI's block creation.

The Neuro Cluster Chain (NCC) works with the hash of previous block and pseudo randomly selects validators and coordinators. To create a block NCC generates one validator and a set of coordinators. These coordinators are chosen based on a formula where the protocol balances N number of transaction / active nodes and makes sure that the decentralization is kept at the optimum.

Once the Nodes are selected, the chosen validator picks up a cluster of transaction from the mempool and relay them to the elected coordinators. Both the validator and the coordinators validate the given transactions and communicate within themselves for a 100% throughput. If the validation is 100% then the validator writes the current block and passes it to the coordinators for broadcasting. However, if the validation is less than 100%, then the MOBIUS protocol is activated.

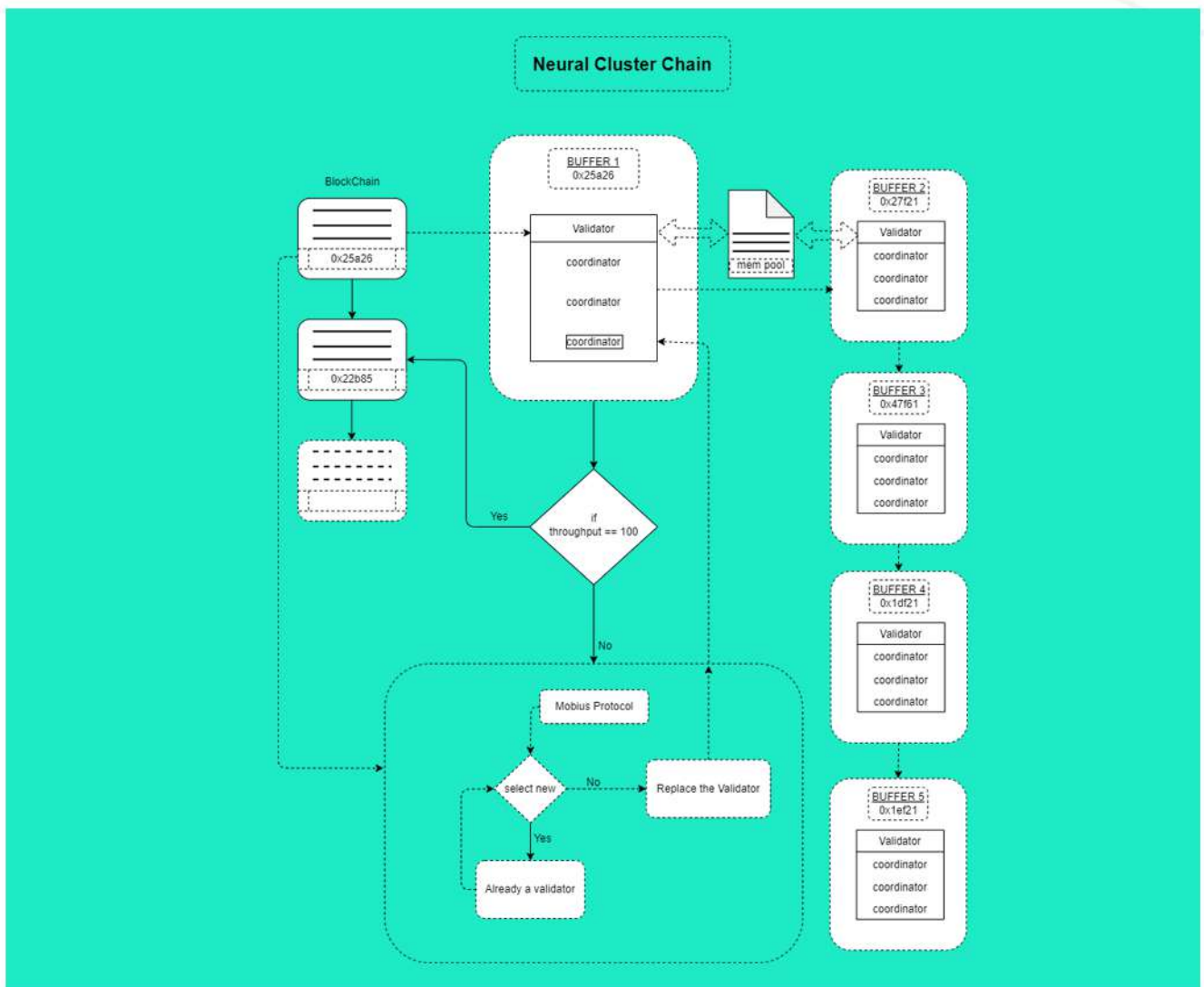
The primary role of MOBIUS is to maintain decentralization to the fullest. If the current block is not satisfied with 100% consensus, then MOBIUS works with the hash of the elected coordinators, and regenerates additional coordinators and allocates the task of left out consensus. If the consensus is satisfied then MOBIUS allows the Block to be created. If not, then this loop will continue till 100% throughput is attained. Thus, DEONI's block chain is secured and eliminates the ever-growing concern of 51% attack.

Protocol

Consequent to MOBIUS protocol, DEONI's block chain lags in speed. This is effectively and uniquely handled through NCC by adding buffer blocks one after another. The selected validators and coordinators of the buffer block will validate the remaining transactions from the mempool. Once the validation is 100% through, the buffer block adds the previous block hash and creates a valid block, which will be added to the chain. With this process, the speed-lag is surpassed.

DEONI with the unique combination of NCC and MOBIUS successfully prevents attacks and also achieves 100% throughput in the stipulated time.

Flow Diagram



Proof of Arbitrary

DEONI brings a revolutionary change in crypto currency by challenging the Proof of Stake, which involves huge amount of investment. The dependency on massive amount for Proof of Stake prevents the circle of validators from expanding. With DEONI, there is no minimum amount required in order to become a validator, thus enlarging the circle of validators. The larger group of validators effectively reduces manipulation and collaboration among users, thereby making it more reliable. DEONI through its one user-one wallet methodology enables genuine users to perform validation checks, with absolutely no staking.

And yes, it does shields from intrusion. Using a fool proof methodology, DEONI successfully protects itself and its users from attacks like SYBIL, 51%, etc.

Deo - hash

DEO HASH has a layer 2 encryption over SHA 256. Where the transaction, time stamp and others elements are first hashed with SHA 256, then rehashed with MD5, which is split into 4 sectors. Where only 2 sectors are randomly selected and hashed to MD5. This MD5 is again split in 4 sectors and 3 are randomly selected and finally hashed with SHA 256.

Zero - Knowledge Programming

Programming in block chain requires hands on experience in languages like Solidity, Rust etc. Deoni would like to simplify this process by adding a layer 2 solution where anyone can create a smart contract. This is achieved by modular block programming where users can pick and place the predefined blocks and custom create any smart contract.

| About Us

SVS Infotech is a leading software architect firm in South India providing services for ERP, CRM, Web Design, Web Applications, Mobile Applications, Digital Marketing, Graphic Design and Search Engine Optimizations since more than a decade. We have served 7500+ clients in India and overseas, across various domains and verticals.

With a team of experienced professionals, dedicated domain experts, and keen business developers, we have always gone beyond customer expectations. We clearly believe in empowering our clients and ourselves with innovative ideas and smart work. Since 2018, we have ventured into block chain technology and are one of the first in India to develop block chain with a difference.

Our team is dedicated to bring a revolution in the history of crypto currency, with several unique features. From humble beginnings, to being one of the first in the country we have come a long way.

| Our Mission

Technology is the backbone of the present generation and the future. Over the past few decades, technology has burrowed its way to several aspects of our life, including the way in which currency is handled and dealt with. Digital currency and crypto currency are rapidly evolving and bound to change the face of global finance though lack of streamlined procedures and regulations.

DEONI aims to gap the bridge between governance and crypto currencies, and work along with the government for the growth of crypto currency. The present scenario encourages only users with strong financial background but with DEONI, we intent to provide an opportunity to every deserving user, irrespective of their financial status. DEONI, would be the first to pioneer a change by bridging the gap between crypto currencies and government and also to close the present financial chasm for users.