



NEUTRINOS BLOCKCHAIN

WELCOME TO

Neutrinos Blockchain

Overview



With the rapid advancement of blockchain technology, competition based on infrastructure is increasing. Speed, reliability, decentralization and low energy costs are now sought in p2p transfers.

Neutrinos blockchain aims to do this using the PoAI (Proof of Artificial Intelligence or Proof of Intelligence) consensus. The PoAI consensus is a smart contract consensus based on artificial intelligence and machine learning.

Neutrinos blockchain is world's first 3rd generation blockchain powered by Proof of Artificial Intelligence (PoAI) consensus with real time transaction validation & operated using mesh network of artificial systems.

Neutrinos blockchain offers low fees transaction, real time transaction validation and power of AI which makes it superior to any of the existing blockchain.

Note: Neutrinos blockchain will be EVM based, and will be supported by existing blockchain wallets including MetaMask, Trust Wallet and many more.

Our Features



ARTIFICIAL INTELLIGENCE

A smart machine is a device embedded with machine-to-machine (M2M) and/or cognitive computing technologies such as artificial intelligence (AI), machine learning or deep learning, all of which it uses to reason, problem-solve, make decisions and even, ultimately, take action. Neutrinos is a blockchain of smart machines network. This network is operated using Proof of Artificial Intelligence (PoAI) consensus. Interconnected with high throughputs data synchronization Neutrinos blockchain is able to validate transaction in real time. Artificial Intelligence capabilities allow to add dynamic nodes to network.

AI SECURITY

With the implementation of AI, Blockchain technology becomes safer by making secure future application deployments. AI algorithms that are increasingly making decisions about whether financial transactions are fraudulent and should be blocked or investigated is a good example of it. Artificial Intelligence consensus allows to embed data from external security audit and vulnerabilities management using Governance adoption to keep network safe from malicious entity.

AI REAL TIME SPEED

With the AI algorithm Neutrinos blockchain is capable to validate transaction in real time and work efficiently to handle more than 3,000,000 transactions per second (TPS) on 1 GBPS network speed of validators. This makes Neutrinos world's fastest blockchain and only blockchain ready to host real time transaction settlement used in finance industry.

AI SECURITY

Ability of AI algorithm, low gas fees & real time transaction validation help implement blockchain in high throughputs finance applications. You can build a real time stock market on Neutrinos blockchain. Neutrinos enterprise version allows anyone to host own private blockchain using our code. You can create variable applications on our blockchain including but not limited to decentralized banking, stock trading markets, robotic system, online P2P gaming, internet of things(IoT) and messaging apps.

APPS INTEGRATION

Rich AI abilities with provable oraclize solution and Neutrinos API allows developer to integrate analytics, reporting, communication, processing types of applications which includes PowerBi, Grafana, GraphAPI, ChatGPT and many more.

Products

NEUTRINOS BLOCKCHAIN

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3rd Generation blockchain with low fees transaction, real time transaction validation and power of AI which makes it superior to any of existing blockchain.

Neutrinos blockchain testnet is expected to go live in 2023 Q4.

STAKING

Staking is a way of earning rewards while holding onto certain cryptocurrencies. After moving to mainnet Neutrinos will launch own staking program which will allow users to earn more Neutrinos coins. This will be completely decentralized staking platform audited by reputed agencies.

YIELD FARMING

For every blockchain to be successful yield farming is essential dapp in today's world. Neutrinos will launch own yield farming application on its mainnet but it will also integrate other existing blockchains with our yield farming dapp. Also we are going to do partnership with existing DeFi for integration of Neutrinos blockchain in there yield farming

LAUNCHPAD

LaunchPad is essential dapp required for project to raise funds. Along with presale, fairlaunch Neutrinos will come with governance launch where users will decide to release of locked liquidity depends on progress of project. If project doesn't deliver promised things users has rights to hold funds. This will work as insurance for your investment and project can't steal your money.

DEX

Trade your crypto on a non custodial Exchange. No manual interference, assets and crypto are only in your control

PoAI - Proof of Artificial Intelligence

In this consensus scheme, a node must train a Neutrinos neural network and use it to solve puzzles provided by the network in order to gain the right to propose the validity of transactions.

What is AI

Artificial intelligence is a wide-ranging branch of computer science concerned with building smart machines capable of performing tasks that typically require human intelligence.

Smart Machines

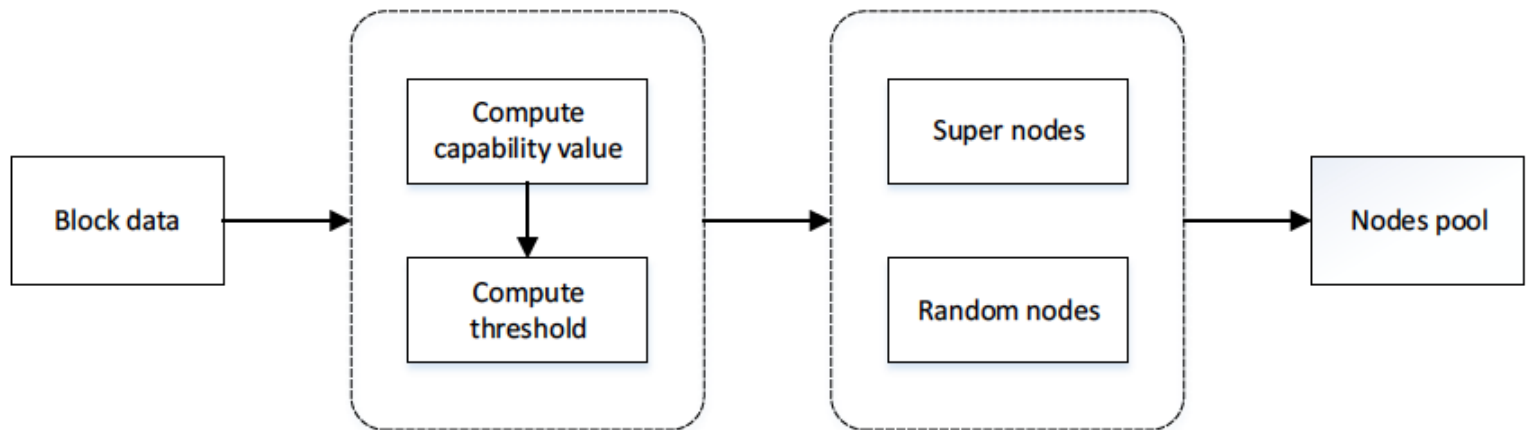
A smart machine is a device embedded with machine-to-machine (M2M) and/or cognitive computing technologies such as artificial intelligence (AI), machine learning or deep learning, all of which it uses to reason, problem-solve, make decisions and even, ultimately, take action. Neutrinos is a network of smart machine.

WHAT IS POAI

PoW (Proof of Work) protocol consumes a large number of electricity, PoS (Proof of Stake) and DPOS (Delegated Proof of Stake) are both essentially a centralized voting agreement. To overcome the shortcomings of the above protocols, we present a new energy-saving consensus protocol

PoAI (Proof of Artificial Intelligence) to ensure the decentralization, fast and safety of a blockchain system. Artificial intelligence based on machine learning will become perfect as it is used and will surpass all the currently used consensus.

Overview of Proof-of-Artificial Intelligence



A method for intelligently selecting an accounting node, relating to fields of blockchain, virtual currency and artificial intelligence, is provided, including steps of: Calculate the AVN value of each node by Convolutional Neural Network select the random nodes and the super nodes under a certain threshold value. Characteristic data of nodes are taken as the input information of PoAI, and then a node pool and the mining node are determined as outcomes.

On a premise of guaranteeing fairness, decentralization and security of the blockchain, problems of energy waste and low accounting efficiency due to mining conflict are solved. Specifically, a random distribution of accounting rights or mining rights is also adopted for avoiding hacker attacks. The process of constructing a node pool does not require human participation and does not require hash operation to compete computing power, which saves electricity, and ensures fairness and decentralization.

ALGORITHM

- Calculate ATN_sorted
- Determine the maximum capacity of a node pool $Whole_max$
- Generate a random integer i ($0.5 \cdot Whole_max < i < Whole_max$) as node number in a node pool $Node_pool_num$
- Generate $Thres$ ($< Node_pool_num$) to determine the number of super nodes Sup_num
- Select the first Sup_num nodes as the Super nodes
- Pick RAD_num random nodes

ATN of Different Factors

