We are excited to officially release the version 1.0.0 of SCDO node. This is the initial release, which can be used to connect to the SCDO mainnet.

SCDO is a hard fork from Seele blockchain and the fork height will be at 2979594 (approximately 16:08:08 UTC on August 09th 2020). The mining of SCDO mainnet will start from this height at 1:00:00 UTC January 5th, 2021. The details about how SCDO handles this fork are as follows:

1. SCDO will switch to a new generation of PoW consensus algorithm (ZPoW), which well decentralizes SCDO blockchain network.
2. The total token supply is 300,000,000 SCDOs and all comes from mining.
3. The mining reward continues to follow the reward principle: 3150000 blocks/era and block reward at each era follows the order of [6, 4, 3, 2.5, 2, 2, 1.5, 1.5]. The mined SCDOs will be rewarded for SCDO development. The release strictly follows the schedule below.

Year	Release Percent (%)
2021	37.59378214
2022	18.72186565
2023	16.31899306
2024	16.31899306
2025	11.0463661

4. The major features in this release include:
   1) ZPoW phase 1: a new PoW consensus algorithm utilizing the properties of random matrices;
   2) sharding protocol: the accounts, blockchain states are partitioned into different shards but can communicate with this secure protocol;
   3) SCDO peer-to-peer protocol: the protocol for the communication of SCDO nodes;
   4) support for smart contracts and decentralized applications: the virtual machine for smart contract execution is compatible with the Istanbul version of EVM;
   5) JSON-RPC and client APIs for account management, getting data from the blockchain states, sending transactions, and developing applications.

We provide pre-built binaries of SCDO node for Linux/Windows/Mac platforms on the downloads page. For instructions on running the binaries, building the binaries from the code and developing applications, please check SCDO wiki. More additional information regarding SCDO can be found on https://scdo.pro/.

A brief introduction of SCDO

SCDO is a decentralized, secure and efficient public blockchain with original PoW consensus, sharding protocol and subchain infrastructure. SCDO aims to provide public infrastructure for decentralized applications and transactions. It supports Turing-complete smart contracts and is compatible with EVM. It has an original PoW consensus algorithm (ZPoW) that uses the properties of random matrices to guarantee the decentralization of the network. ZPoW will be developed into a mixed PoW consensus and multi-difficulty adjustment framework. It will make 51% attack extremely difficult. SCDO is scalable with its novel sharding and subchain protocols. The sharding protocol makes the SCDO mainnet horizontally scalable in a secure way. The Stem subchain protocol allows the developers to build their own subchains with customizable consensus and transaction speed. The SCDO mainnet safeguards the assets on the subchains with account tracking and delicate exit mechanism.

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SCDO Team