

METHOD FOR EXECUTING SMART CONTRACT, BLOCKCHAIN NODE, AND STORAGE MEDIUM

ABSTRACT

The present specification provides a method for executing a smart contract, a blockchain node, and a storage medium. An implementation of a method for executing a smart contract includes: receiving, by a blockchain node, a request for creating a smart contract, the request including a bytecode of the smart contract; starting, by the blockchain node after completing deployment of the smart contract, to compile the bytecode of the smart contract into a machine code by using ahead of time (AoT) and storing the machine code; and during execution of a smart contract that has been deployed, interpreting and executing, by the blockchain node, a bytecode of the smart contract in response to that a machine code of the smart contract is not locally stored. According to the above implementations of the present application, when AoT compilation is not completed, the bytecode of the smart contract is interpreted and executed, so normal processing of a blockchain service request can be ensured while AoT compilation is performed.

Fig. 6