

METHODS, BLOCKCHAIN NODES, AND STORAGE MEDIA FOR EXECUTING SMART CONTRACT

ABSTRACT

The present specification provides a method, a blockchain node, and a storage
5 medium for executing a smart contract. An embodiment of the method for executing a
smart contract includes: receiving, by a blockchain node, a request for creating a
smart contract, where the request includes bytecode of the smart contract; after
deploying the bytecode of the smart contract, compiling, by the blockchain node, the
10 bytecode of the smart contract into machine code through Just-In-Time (JIT)
compilation and storing the machine code; and interpreting and executing, by the
blockchain node when executing the deployed smart contract, the bytecode of the
smart contract if the machine code corresponding to the bytecode of the smart contract
is not locally stored. In the embodiments of the present application, the blockchain
15 node can greatly increase the speed of executing the smart contract.

FIG. 6-1