

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

ABSTRACT

One or more embodiments of the present disclosure provide methods, blockchain nodes, systems and storage media for executing a smart contract. A method embodiment for executing a smart contract includes: receiving, by a first blockchain node and a second blockchain node, a request for creating the smart contract respectively, wherein the request includes bytecodes of the smart contract; after completing the deployment of the smart contract, respectively starting, by the first blockchain node and the second blockchain node, to compile the bytecodes of the smart contract into machine codes through just-in-time (JIT) Compiler and store the machine codes; when executing the deployed smart contract, executing, by the first blockchain node, the machine codes if the machine codes of the smart contract are locally stored; when executing the deployed smart contract, performing, by the second blockchain node, interpretation execution for the bytecodes in response to determining that execution results of the machine codes and the bytecodes of the smart contract are consistent if the machine codes of the smart contract are not locally stored.

FIG. 6-1