Abstract

Embodiments of the present disclosure disclose a smart contract upgrade method and system based on an alliance chain. The smart contract upgrade method includes: receiving an upgrade transaction submitted through an alliance chain invocation interface; performing a verification on the upgrade transaction in order to verify whether the update transaction is initiated by a creator of an original smart contract through an authorization node; and submitting the upgrade transaction to the alliance chain, when a verification result is that the upgrade transaction is initiated by the creator of the original smart contract through the authorization node, so that the alliance chain receives and executes the upgrade transaction, and writes an execution code of a new smart contract into a storage location of the corresponding original smart contract. The embodiments of the present disclosure may realize a low-cost upgrade of the smart contract on the premise of guaranteeing the compatibility.