

ABSTRACT

The present disclosure provides a transaction processing method and apparatus, an electronic device, and a computer-readable storage medium, and relates to the technical field of computer technologies. The transaction processing method is performed by an execution node on a blockchain. The transaction processing method includes: obtaining a first block to be uploaded; when it is determined that the first block meets a first capacity expansion condition, determining, from nodes of the blockchain and based on the first capacity expansion condition, a first node for performing filter expansion; obtaining a first capacity-expanded filter from the first node, a capacity of the first capacity-expanded filter being greater than a capacity of a first in-process filter in the execution node, and the first capacity-expanded filter being generated by the first node based on transactions having been uploaded to the blockchain; and loading a transaction in the first block to the first capacity-expanded filter, and using the first capacity-expanded filter as a second in-process filter, to perform, through the capacity-expanded second in-process filter, deduplication filtering on transactions to be uploaded to the blockchain.