

Abstract

The present application provides a data storage, data authentication, and data tracing method and apparatus, comprising: determining a first check value of a first data version of a target object (101), searching for a second check value of a second data version of the target object that is adjacent to the first data version (102); creating a data block based on the first check value and the second check value (103) and storing the data block in a blockchain (104). By storing the first check value of the first data version of the target object in the blockchain in the form of a data block, as the blockchain has the feature of being immutable, when a data requester obtains the data content corresponding to a first data version of a target object, it can check, based on the first check value stored in the blockchain, whether the data content corresponding to the first data version has been modified, thereby determining the authenticity of the data content corresponding to the first data version, effectively solving the problem of inability to determine the authenticity of data content due to easy modification of data content, and increasing the data analysis efficiency of the data requester.