

FILE MANAGEMENT METHOD, DISTRIBUTED STORAGE SYSTEM, AND MANAGEMENT NODE

ABSTRACT

The present invention discloses a file management method, a distributed storage system, and a management node. The method includes: receiving, by a management node, a file creation request sent by a host, where the file creation request is used to create a file in a distributed storage system; allocating, by the management node to the file, first virtual space from global virtual address space of the distributed storage system according to the file creation request, where local virtual address space of each storage node in the distributed storage system is corresponding to a part of the global virtual address space; recording, by the management node, metadata of the file, where the metadata of the file includes information about the first virtual space allocated to the file, and the information about the first virtual space is used to point to local virtual address space of a storage node that is used to store the file; and sending, by the management node, a file creation success response to the host, where the file creation success response carries the information about the first virtual space. In embodiments of the present invention, file management efficiency can be improved.

FIGURE 2