PERMISSION SYNCHRONIZATION METHOD AND SYSTEM FOR DISTRIBUTED STORAGE AND DATA WAREHOUSE

ABSTRACT

The present invention provides a permission synchronization method and system for distributed storage and a data warehouse, and relates to the technical field of permission management. The method includes: analyzing user operation data in distributed storage, training a machine learning model, and generating an intelligent directory permission mapping table; analyzing structure information of a data table in the data warehouse, and generating a multi-dimensional table permission evaluation model; combining the intelligent directory permission mapping table with the multi-dimensional table permission evaluation model to generate an adaptive permission rule base, and deploying to each node in distributed storage; when a permission changes, computing an influence range by the system according to the adaptive permission rule base, and generating a permission update instruction sequence; monitoring an instruction execution state by the system, identifying exception nodes, and repairing based on a permission transmission tree to ensure the permission consistency. According to the present invention, automatic synchronization of distributed storage and data warehouse permissions can be achieved, thus the permission management efficiency can be improved, the manual interference cost can be decreased, and the data security can be improved.

[Fig. 1]