

ABSTRACT

This application relates to the field of cloud computing technologies, and discloses a data protection method and system, a storage server, and a client terminal. The data protection method includes: reading, in response to a received read/write request, data stored in a target order in a cloud disk; converting the data into a target file system format, and rearranging the data in the target file system format in the target order, where the target file system format is compatible with a file system of the client terminal; scanning the rearranged data in the target file system format to obtain a malicious software identification result; and processing the malicious software identification result to recover or protect the data stored in the cloud disk. This application achieves real-time performance of malicious software identification, reduces a data security risk to the maximum extent, and reduces a storage cost because there is no need to plan a separate storage space for a scanning task.

Fig. 1