ABSTRACT

DATA MIGRATION METHOD, HOST, AND SOLID STATE DISK

Embodiments of the present invention relate to a data migration method, a host, and an SSD. A host of a storage system is connected to multiple SSDs, and the multiple SSDs are connected to each other. Each SSD is configured with a migration cache, and each SSD is corresponding to one piece of access information. The data migration method includes: obtaining migration data information of to-be-migrated data in a source SSD and determining a target SSD, generating a read instruction according to access information corresponding to the target SSD and the migration data information, so as to instruct the source SSD to read a data block that is corresponding to the read instruction and in a flash memory of the source SSD into a migration cache of the target SSD; and after a read completion feedback instruction sent by the source SSD is received, sending a write instruction, so as to instruct the target SSD to write the data block in the cache of the target SSD to a flash memory of the target SSD. In this way, when data is migrated between SSDs, the data is not migrated by using a memory of the host, thereby reducing impact on performance of the storage system, and ensuring a data migration speed.

Fig. 5