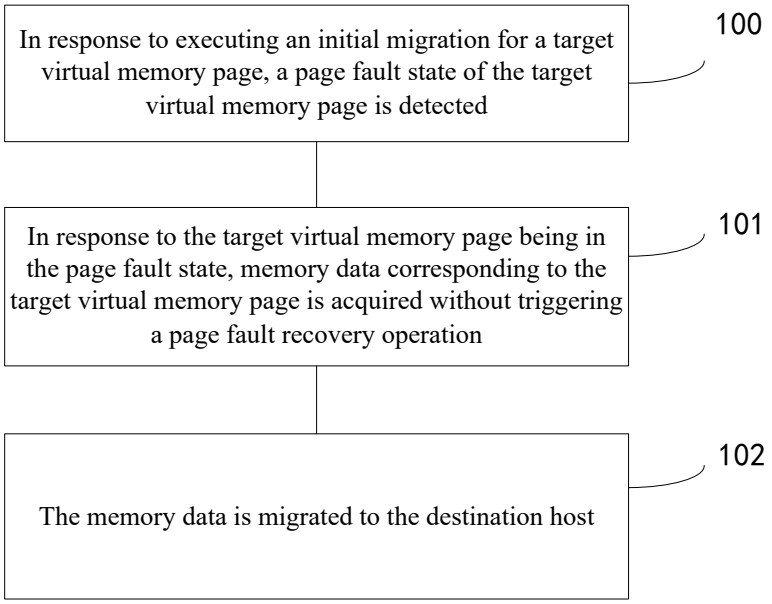

In response to executing an initial migration for a target virtual memory page, a page fault state of the target virtual memory page is detected
100
In response to the target virtual memory page being in the page fault state, memory data corresponding to the target virtual memory page is acquired without triggering a page fault recovery operation
101
The memory data is migrated to the destination host
102

FIG. 1

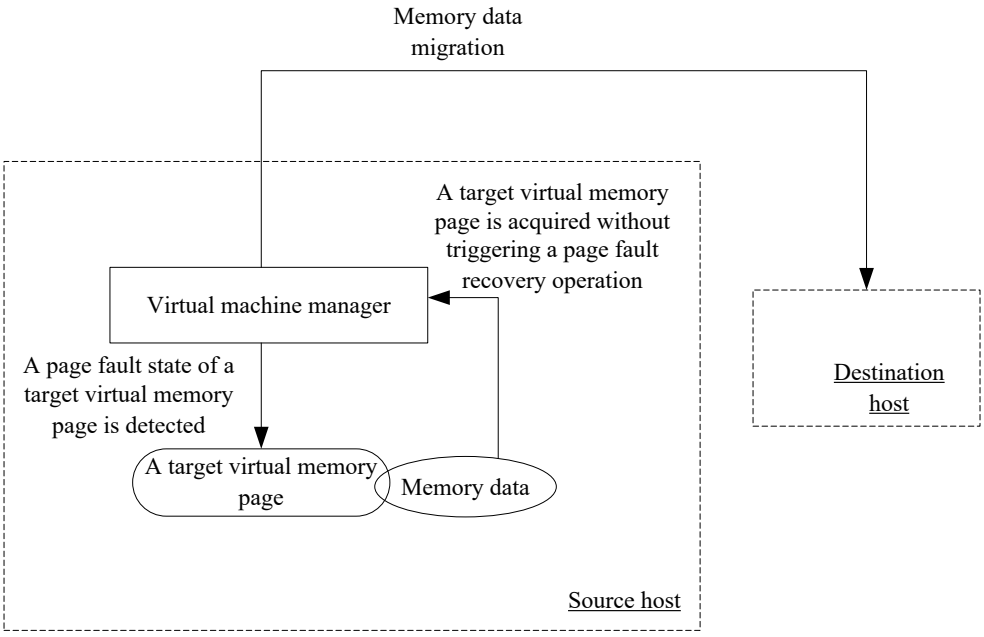

Memory data migration
A target virtual memory page is acquired without triggering a page fault recovery operation
Virtual machine manager
A page fault state of a target virtual memory page is detected
A target virtual memory page
Memory data
Destination host
Source host

FIG. 2

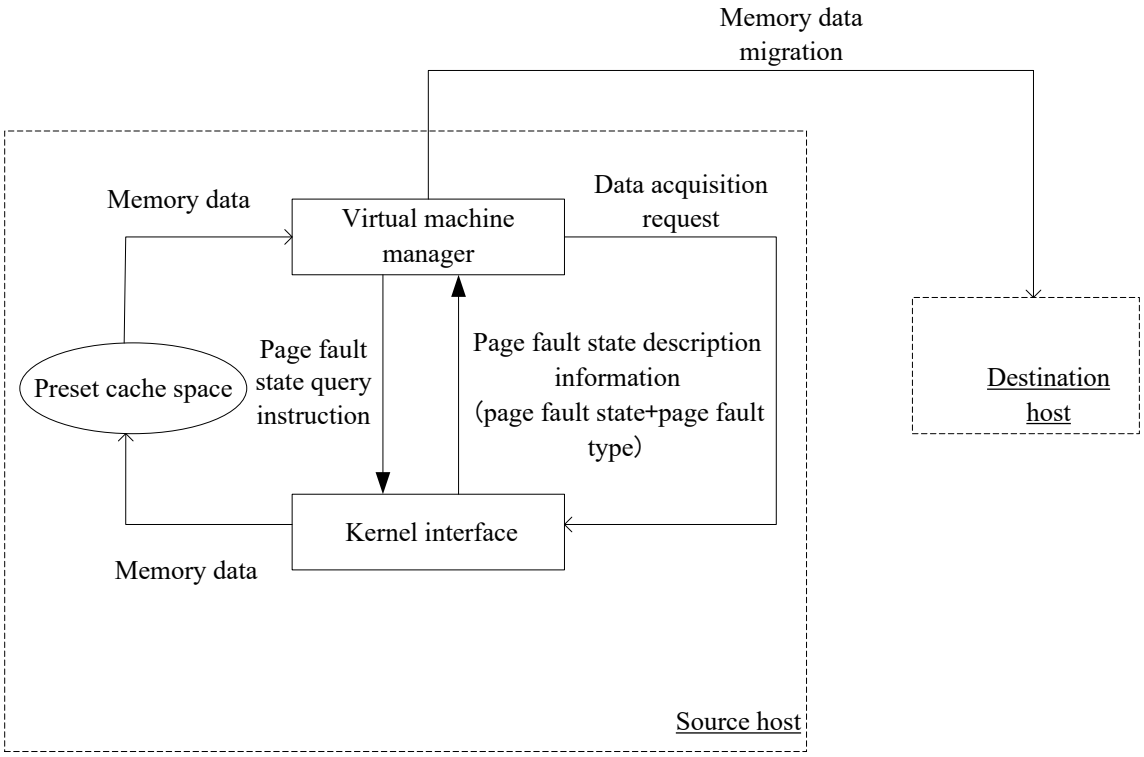


FIG. 3

Information type field	Page fault state flag identifier	Page fault type field	···

FIG. 4

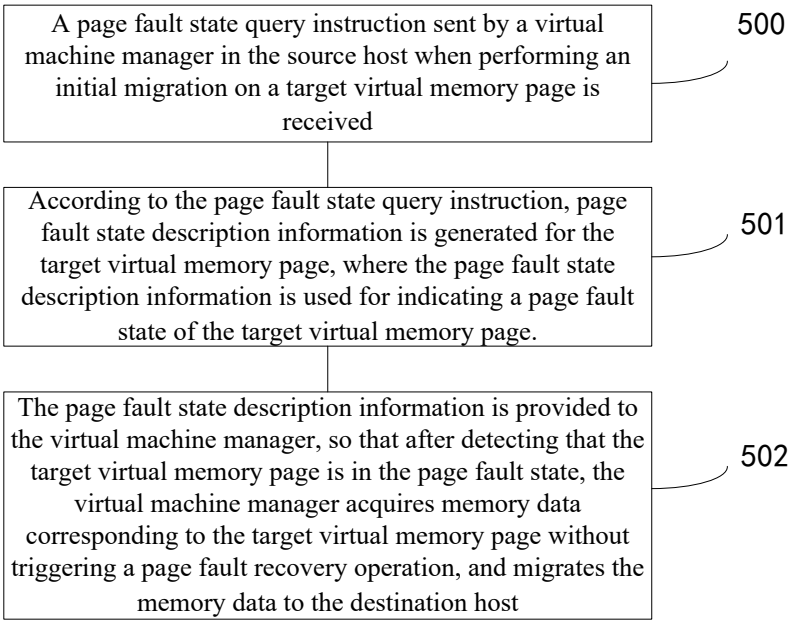

A page fault state query instruction sent by a virtual machine manager in the source host when performing an initial migration on a target virtual memory page is received
500
According to the page fault state query instruction, page fault state description information is generated for the target virtual memory page, where the page fault state description information is used for indicating a page fault state of the target virtual memory page.
501
The page fault state description information is provided to the virtual machine manager, so that after detecting that the target virtual memory page is in the page fault state, the virtual machine manager acquires memory data corresponding to the target virtual memory page without triggering a page fault recovery operation, and migrates the memory data to the destination host
502

FIG. 5

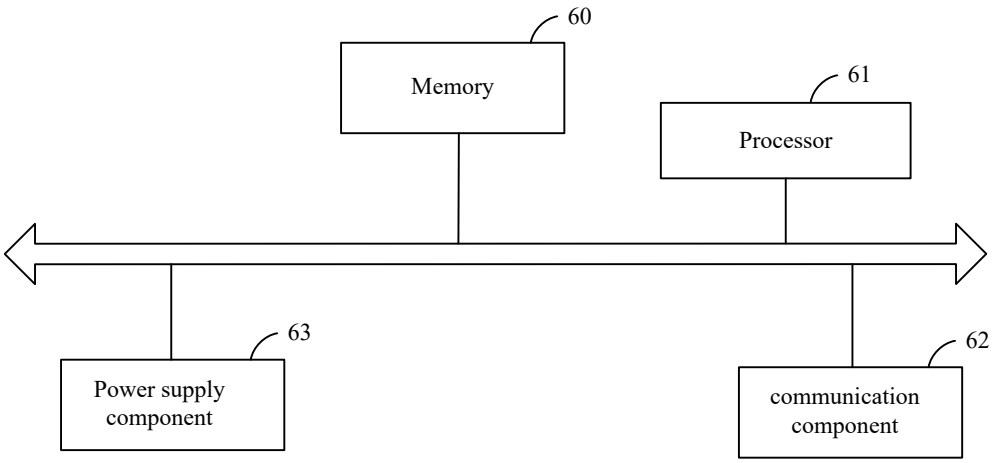

60
Memory
61
Processor
63
Power supply component
62
communication component

FIG. 6