

ABSTRACT

A page fault recovery method, a device, and a storage medium are disclosed. The method includes: in response to detecting a page fault request initiated by any I/O device on a physical machine, determining a target virtual machine to which the page fault request belongs; selecting, for the target virtual machine from a plurality of physical cores, a target physical core configured to process a page fault request; and scheduling the page fault request to the target physical core, to process the page fault request by using the target physical core. By clearly identifying a virtual machine to which each IOPF occurring on a physical machine belongs, IOPF scheduling may be performed by using the virtual machine as a constraint condition. This can prevent IOPFs from being concentrated on a designated physical core in the physical machine for processing, and can effectively avoid perturbation to an unrelated virtual machine caused by the IOPF scheduling, thereby ensuring proper IOPF scheduling, and further improving the IOPF processing efficiency.

Fig. 1