

IO REQUEST SCHEDULING METHODS AND APPARATUSES

ABSTRACT

Embodiments of this specification provide IO request scheduling methods and apparatuses. The method includes: obtaining a target IO request to be scheduled, and determining whether the target
5 IO request is a traffic-limited IO request; when the target IO request is a traffic-unlimited first-type IO request, determining a current moment as a scheduling moment of the target IO request; or when the target IO request is a traffic-limited second-type IO request, determining a scheduling moment of the target IO request based on a current resource traffic-limiting proportion, where the current
10 resource traffic-limiting proportion is a proportion of resources used to process second-type IO requests in a current time period that the current moment belongs, the current resource traffic-limiting proportion is calculated based on a last resource traffic-limiting proportion of a last time period and load information of first-type IO requests scheduled in the last time period, and the scheduling moment is not less than the current moment; and adding the target IO request to an IO request set, where several IO requests in the IO request set are sequentially sent to a disk for processing in
15 ascending order of scheduling moments.

[Fig. 1]