

ABSTRACT

Embodiments of the present disclosure provide a video memory allocation method, a video memory request method, a device, and a storage medium. In the embodiments of the present disclosure, a video memory occupation request initiated by an application on a physical machine is intercepted, and a video memory occupation upper limit is configured for each application on the physical machine. Based on this, when the video memory occupation request is intercepted, it may be determined whether a sum of an amount of to-be-occupied video memory currently requested by the application and an amount of video memory occupied by the application exceeds the video memory occupation upper limit corresponding to the application, and if the sum exceeds the video memory occupation upper limit corresponding to the application, it is refused to respond to the video memory occupation request. In this way, video memory occupation requests generated on the physical machine may be filtered based on video memory occupation upper limits configured for different applications, to effectively isolate video memory occupied by the different applications, thereby avoiding excessive occupation of video memory by some applications, and further ensuring normal performance of all applications sharing video memory.

Fig. 2