ABSTRACT

Embodiments of the present application provide a volume mounting and access method, a device, and a storage medium. In the embodiments of the present application, for a volume that is bound to an application instance, the volume is mounted to a host machine directory tree in a sub-tree mounting manner. That is, the host machine directory tree includes a root mount point of the volume and a child mount point that points to the root mount point, so that the application instance can access the volume through the root mount point on the host machine directory tree, thereby achieving the purpose of using, by means of the volume, a storage system of the host machine as a storage facility for realizing data sharing and persistence of the application instance. Further, in the manner of mounting the volume by using a sub-tree, when the volume is bound to a plurality of application instances, the plurality of application instances all access the volume by using the root mount point, so that a same cache space can be shared, thereby saving memory resources of the host machine.

Fig. 1