ABSTRACT

Embodiments of the present disclosure provide a security scanning method for cloud computing, a related device, and a storage medium. In the embodiments of the present disclosure, physical storage space of a virtualization instance supports a virtualization manager to perform a read/write operation on the physical storage space in a multi-queue read/write manner. Based on this, in addition to creating, for the virtualization instance, a storage queue required for performing the read/write operation on the physical storage space, the virtualization manager can further create a shared queue and a shared memory for a security scanning program located external to the virtualization instance, and further provide data in the physical storage space of the virtualization instance to the security scanning program external to the virtualization instance based on the shared queue and the shared memory, for the security scanning program to perform host security scanning. On the one hand, the security scanning program is not susceptible to intrusion or interference from an internal process of the virtualization instance, and does not occupy computing resources of the virtualization instance; on the other hand, real-time and highly efficient scanning can be implemented, and an immediately occurring intrusion behavior can be quickly responded to, thereby achieving high timeliness.

Fig. 1a