

ABSTRACT

This application relates to a hibernation method and a related device thereof. The method includes: determining, when running of a to-be-hibernated virtual machine is stopped by a first virtual machine monitor of a first target server in which the to-be-hibernated virtual machine is located, a memory page used for storing running data of the to-be-hibernated virtual machine in memory of the to-be-hibernated virtual machine in the first target server; and transferring the running data to a predetermined storage object after the running data stored in the memory page is compressed by the first virtual machine monitor, so that when the to-be-hibernated virtual machine is woken up, the woken to-be-hibernated virtual machine inherits, by using the running data read from the storage object, a running state that is before the running of the to-be-hibernated virtual machine is stopped. According to this application, problems that hibernation of a virtual machine depends on a capability of an operating system of the virtual machine, resulting in hibernation failure and a long hibernation delay are resolved.

Fig. 1