

ABSTRACT

A virtual machine migration method, a device, and a storage medium. On a premise that a target virtual machine is kept bound to resources currently occupied by the target virtual machine at a migration source end, reserved resources are allocated to the target virtual machine from a migration destination end, so that the target virtual machine can normally run at the migration source end without being interfered with by the reserved resources, and an occupation right to the reserved resources can be obtained without migration. On this basis, locally stored data corresponding to the target virtual machine at the migration source end can be copied into the reserved resources in a running process of the target virtual machine. In this way, during downtime of the target virtual machine, a very small amount of locally stored data needs to be migrated, and time consumed by migration of the locally stored data is independent of a migration execution period of the virtual machine. Therefore, the downtime of the virtual machine in a migration process can be effectively reduced.

Fig. 1