

Abstract

Method and Apparatus for Processing an ACL Rule, Computer Device, and Readable Medium

The present invention provides an Access Control Lists (ACL) rule processing method, which includes: a storage address of an ACL rule to be stored is determined based on a priority relationship between the ACL rule to be stored and stored ACL rules; in a case that the ACL rule is stored in the storage address currently, a moving direction is determined based on the storage address, a priority baseline pointer parameter, a maximum storage address of the ACL rules, a hole address closest to the storage address in a low address direction, and a hole address closest to the storage address in a high address direction; a moving destination address is determined at least based on the moving direction; the ACL rules are moved one by one based on the moving direction and the destination address until the storage address is vacated; and the ACL rule to be stored is stored in the storage address, and a relative priority of the ACL rule to be stored is recorded based on the storage address. The present invention also provides an ACL rule processing apparatus, a computer device, and a readable medium.

Figure 2