

Abstract

The embodiments of the present application relate to the technical field of communications. Provided are a security table entry switching method and apparatus, a network device and a storage medium, The method is applied to a data plane of a network device, wherein the network device comprises a first security table entry, the first security table entry comprises an identifier of a first interface and a first source prefix, the first security table entry corresponds to a standby path leading to a destination end, and the state of the first security table entry is a standby state. The method comprises: if a message having the first source prefix has been received by means of the first interface, changing the state of the first security table entry into a temporary active state; if an update instruction for a control plane has not been received within a first preset duration, changing the state of the first security table entry into the standby state; and if the update instruction for the control plane has been received within the first preset duration, changing the state of the first security table entry into an active state on the basis of the update instruction. Thus, the FRR convergence speed can be improved while preventing security vulnerabilities.

[Figure No. 6]