

## ABSTRACT

Embodiments of the present application provide an RDMA-based link establishment method and apparatus, a device and a storage medium. In the embodiments of the present application, for a scenario where a plurality of communication links are required to be established between upper-layer applications of two sides, i.e., a client and a server, virtual links are abstracted in an RDMA link, a plurality of virtual links are allowed to be created in one RDMA link, and the plurality of virtual links share resources of one RDMA link, such that the upper-layer applications of the two sides realize multi-path data transmission by means of the plurality of virtual links carried in the same RDMA link. In this way, not only can the problem of a plurality of communication links being required between the upper-layer applications of the two sides be solved, but also the problem of RDMA link establishment being slow can be avoided to a certain extent due to the same RDMA link carrying the plurality of virtual links to reduce the number of RDMA links, and particularly, when a relatively large number of links are required, the overall link establishment speed can be significantly increased.

Fig. 3a