

ABSTRACT

The present disclosure provides a distributed lock processing method, a device, a storage medium, and a system. The method includes: a client sequentially acquires a first session lease from a first service cluster and sends a first request for lock creation to the first service cluster by using the first session lease, and acquires a second session lease from a second service cluster and sends a second request for lock creation to the second service cluster by using the second session lease. The first service cluster and the second service cluster respectively create a lock for the client when it is determined that no other client occupies the lock, and send lock creation success messages to the client. Therefore, upon receiving the lock creation success messages sent by the two service clusters, the client determines that the client acquires the lock. Higher robustness of a lock is achieved by increasing complexity of a lock contention phase, so that high availability of a distributed lock service continues to be maintained when a single service cluster is entirely unavailable.

Fig. 9