CLAIMS

1. A request processing method, performed by a first computing device in a clustered database and comprising:

determining a lock synchronization mode of the clustered database in response to a data request, the clustered database being implemented at a cluster comprising the first computing device and at least one second computing device, the lock synchronization mode being from a set comprising a weak synchronization mode and at least one non-weak synchronization mode, each synchronization mode in the set corresponding to a respective target condition for determining whether a data resource is locked for the clustered database, each target condition being associated with a respective threshold number of second computing devices that have locked the data resource;

locking a first data resource corresponding to the data request when the lock synchronization mode is the weak synchronization mode, and executing the data request; and

when the lock synchronization mode is not the weak synchronization mode:

transmitting a locking request associated with the data request to the at least one second computing device in the clustered database;

obtaining locking feedback information about the first data resource by the at least one second computing device in the clustered database, the locking feedback information indicating whether the at least one second computing device has locked the first data resource; and

locking the first data resource corresponding to the data request when the obtained locking feedback information satisfies the target condition corresponding to the lock synchronization mode, and executing the data request.

2. The method according to claim 1, wherein the obtaining the locking feedback information about the first data resource by the at least one second computing device in the clustered database comprises:

receiving the locking feedback information returned by the at least one second computing device on the basis of the locking request.

3. The method according to claim 2, wherein the transmitting the locking request associated with the data request to the at least one second computing device comprises:

transmitting the locking request to a message processing thread on the at least one second computing device respectively via a message processing thread on the first computing device, and

the receiving the locking feedback information returned by the at least one second computing device on the basis of the locking request comprises:

receiving the locking feedback information returned by the message processing thread on the at least one second computing device via the message processing thread on the first computing device.

4. The method according to claim 3, further comprising:

transmitting the locking feedback information to a lock application thread of the data request via the message processing thread when the data request is in an active state in response to receiving the locking feedback information of any second computing device; and

transmitting a lock release request to the at least one second computing device when the data request is not in an active state and that the locking feedback information indicates a locking success, the lock release request instructing the at least one second computing device to release the first data resource corresponding to the data request.

5. The method according to claim 1, wherein the at least one non-weak synchronization mode comprises a strong synchronization mode and a semi-strong synchronization mode, the target condition associated with the strong synchronization mode is that the locking feedback information of the at least one second computing device indicates a locking success; and the target condition associated with the semi-strong synchronization mode is that the locking feedback information of a target number or a larger number of second computing devices among the at least one second computing device indicates a locking success.

6. The method according to claim 1, wherein the at least one non-weak synchronization

mode comprises a strong synchronization mode and a semi-strong synchronization mode, the target condition associated with the strong synchronization mode is that a waiting duration does not exceed a first waiting threshold and the locking feedback information of the at least one second computing device indicates a locking success; and the target condition associated with the semi-strong synchronization mode is that a waiting duration does not exceed a second waiting threshold and the locking feedback information of a target number or larger number of second computing devices among the at least one second computing device indicates a locking success.

7. The method according to claim 5, further comprising:

obtaining the target number when the lock synchronization mode is the semi-strong synchronization mode; and

switching the lock synchronization mode to the strong synchronization mode when the target number is less than one or greater than the number of all the at least one second computing devices in the clustered database.

8. The method according to claim 1, further comprising:

transmitting a lock release request to the at least one second computing device when the obtained locking feedback information does not satisfy the target condition or the execution of the data request is completed, the lock release request instructing the at least one second computing device to release the first data resource corresponding to the data request.

9. The method according to claim 1, wherein the data request is a data definition language (DDL) request.

10. A first computing device in a clustered database, comprising:

one or more processors and one or more memories, the one or more memories storing at least one computer program, and the at least one computer program being loaded and executed by the one or more processors to implement:

determining a lock synchronization mode of the clustered database in response to a data

request, the clustered database being implemented at a cluster comprising the first computing device and at least one second computing device, the lock synchronization mode being from a set comprising a weak synchronization mode and at least one non-weak synchronization mode, each synchronization mode in the set corresponding to a respective target condition for determining whether a data resource is locked for the clustered database, each target condition being associated with a respective threshold number of second computing devices that have locked the data resource;

locking a first data resource corresponding to the data request when the lock synchronization mode is the weak synchronization mode, and executing the data request; and

when the lock synchronization mode is not the weak synchronization mode:

transmitting a locking request associated with the data request to the at least one second computing device in the clustered database;

obtaining locking feedback information about the first data resource by the at least one second computing device in the clustered database, the locking feedback information indicating whether the at least one second computing device has locked the first data resource, and

locking the first data resource corresponding to the data request when the obtained locking feedback information satisfies the target condition corresponding to the lock synchronization mode, and executing the data request.

11. The first computing device according to claim 10, wherein the obtaining the locking feedback information about the first data resource by at least one second computing device in the clustered database comprises:

receiving the locking feedback information returned by the at least one second computing device on the basis of the locking request.

12. The first computing device first computing device according to claim 11, wherein the transmitting the locking request associated with the data request to the at least one second computing device comprises:

transmitting the locking request to a message processing thread on the at least one second computing device respectively via a message processing thread on the first computing device; and

the receiving the locking feedback information returned by the at least one second computing device on the basis of the locking request comprises:

receiving the locking feedback information returned by the message processing thread on the at least one second computing device via the message processing thread on the first computing device.

13. The first computing device according to claim 12, further comprising:

transmitting the locking feedback information to a lock application thread of the data request via the message processing thread when the data request is in an active state in response to receiving the locking feedback information of any second computing device; and

transmitting a lock release request to the at least one second computing device when the data request is not in an active state and that the locking feedback information indicates a locking success, the lock release request instructing the at least one second computing device to release the first data resource corresponding to the data request.

14. The first computing device according to claim 10, wherein the at least one non-weak synchronization mode comprises a strong synchronization mode and a semi-strong synchronization mode, the target condition associated with the strong synchronization mode is that the locking feedback information of the at least one second computing device indicates a locking success; and the target condition associated with the semi-strong synchronization mode is that the locking feedback information of a target number or a larger number of second computing devices among the at least one second computing device indicates a locking success.

15. The first computing device according to claim 10, wherein the at least one non-weak synchronization mode comprises a strong synchronization mode and a semi-strong synchronization mode, the target condition associated with the strong synchronization mode is that a waiting duration does not exceed a first waiting threshold and the locking feedback information of the at least one second computing device indicates a locking success; and the target condition associated with the semi-strong synchronization mode is that a waiting duration does not exceed a second waiting threshold and the locking feedback information of a target number or larger number of second computing devices among the at least one second computing device indicates a locking success.

16. The first computing device according to claim 14, further comprising:

obtaining the target number when the lock synchronization mode is the semi-strong synchronization mode; and

switching the lock synchronization mode to the strong synchronization mode when the target number is less than one or greater than the number of all the at least one second computing devices in the clustered database.

17. The first computing device according to claim 10, further comprising:

transmitting a lock release request to the at least one second computing device when the obtained locking feedback information does not satisfy the target condition, or the execution of the data request is completed, the lock release request instructing the at least one second computing device to release the first data resource corresponding to the data request.

18. The first computing device according to claim 10, wherein the data request is a data definition language (DDL) request.

19. A non-transitory computer-readable storage medium, comprising: at least one computer program, and the computer program being loaded and executed by one or more processors of by a first computing device in a clustered database to implement:

determining a lock synchronization mode of the clustered database in response to a data request, the clustered database being implemented at a cluster comprising the first computing device and at least one second computing device, the lock synchronization mode being from a set comprising a weak synchronization mode and at least one non-weak synchronization mode, each synchronization mode in the set corresponding to a respective target condition for determining whether a data resource is locked for the clustered database, each target condition being associated with a respective threshold number of second computing devices that have locked the data resource;

locking a first data resource corresponding to the data request when the lock synchronization mode is the weak synchronization mode, and executing the data request; and

when the lock synchronization mode is not the weak synchronization mode:

transmitting a locking request associated with the data request to the at least one second computing device in the clustered database;

obtaining locking feedback information about the first data resource by the at least one second computing device in the clustered database, the locking feedback information indicating whether the at least one second computing device has locked the first data resource; and

locking the first data resource corresponding to the data request when the obtained locking feedback information satisfies the target condition corresponding to the lock synchronization

mode, and executing the data request.

20. The computer-readable storage medium according to claim 19, wherein the obtaining the locking feedback information about the first data resource by the at least one second computing device in the clustered database comprises:

receiving the locking feedback information returned by the at least one second computing device on the basis of the locking request.