CLAIMS

1. A data synchronization method, wherein the method is applied to a data synchronization source end, the method comprising the steps of:

determining that data of a source end database has been modified;

generating a real-time notification for the data modification, wherein the real-time notification comprises an operation identifier of the data modification, and information related to the data modification; and

sending the real-time notification to a data synchronization target end, so that after receiving the real-time notification, the data synchronization target end obtains the data modification related information and the operation identifier by parsing the real-time notification; monitors based on the operation identifier, detects that a modification operation corresponding to the operation identifier has been synchronized from the source end database to the target end database, and updates the cache in the target end database based on synchronized content of the target end database.

2. The method according to claim 1, wherein generating a real-time notification for the data modification comprises writing the operation identifier of the data modification to the real-time notification.

3. The method according to claim 1, wherein generating a real-time notification for the data modification comprises:

determining whether a data volume of the data modification exceeds a predetermined threshold;

in response to determining that the data volume of the data modification does exceed the predetermined threshold, writing the operation identifier of the data modification to the real-time notification.

4. The method of claim 1, further comprising initiating a synchronization operation on the source end database.

5. A data synchronization method, wherein the method is applied to a data synchronization target end, the method comprising the steps of:

receiving, by a data synchronization source end, a real-time notification sent by a data synchronization source end; and

obtaining data modification related information, comprising:

parsing the real-time notification; and

updating a cache in a target end database based on a parsing result,

wherein, after the data synchronization source end determines that data of a source end database is modified (201), the real-time notification is generated and sent for the data modification (202), and the real-time notification comprises an operation identifier of the data modification, and information related to the data modification; and

wherein updating a cache in a target end database based on a parsing result comprises:

monitoring the target end database based on the operation identifier obtained by parsing, and

in response to detecting that a modification operation corresponding to the operation identifier has been synchronized from the source end database to the target end database, updating the cache in the target end database based on synchronized content of the target end database.

6. The method according to claim 5, wherein a data volume of the information related to the data modification in the real-time notification does not exceed a predetermined threshold.

7. The method of any one of claims 1 to 6, wherein determining, by the data synchronization source end, that data of a source end database is modified comprises determining that data of the source end database is modified after an application server at the source end sends a data write request to the database at the source end, or after it is determined that data has been successfully written to the database at the source end.

8. A data synchronization source end apparatus configured to perform the method of any

one of claims 1 to 4.

9. A data synchronization target end apparatus configured to perform the method of any one of claims 5 to 6.