CLAIMS

What is claimed is:

1. A method for database transaction processing, comprising:

after determining to perform primary-secondary switching of a copy, recording, by a first server, a context of a database transaction that is currently being executed, sending the context to a second server, and switching a primary copy stored in the first server to a secondary copy; and

switching, by the second server, a secondary copy stored in the second server to a primary copy, and continuing execution of the database transaction from an execution breakpoint of the first server based on the context after completing the switching.

2. The method according to claim 1, wherein the method further comprises:

after determining to perform primary-secondary switching of a copy, stopping, by the first server, starting a new database transaction, and stopping executing a new statement in the database transaction that is currently being executed.

3. The method according to claim 1, wherein the first server determines, based on a received switching instruction, to perform primary-secondary switching of a copy, and the switching instruction is sent by a third server to the first server.

4. The method according to claim 3, wherein the switching instruction is generated by the third server based on a load level of the first server.

5. The method according to claim 3, wherein the switching instruction is generated by the third server based on an upgrade or maintenance plan of the first server.

6. The method according to claim 1, wherein the switching, by a first server, a primary copy stored in the first server to a secondary copy comprises:

switching, by the first server, the primary copy stored in the first server to the secondary copy after predetermined duration.

7. The method according to claim 1, wherein the context comprises to-be-operated data and a state machine that correspond to the database transaction that is currently being executed.

8. A system for database transaction processing, comprising:

a first server, configured to: after determining to perform primary-secondary switching of a copy, record a context of a database transaction that is currently being

executed, send the context to a second server, and switch a primary copy stored in the first server to a secondary copy; and

the second server, configured to switch a secondary copy stored in the second server to a primary copy, and continue execution of the database transaction from an execution breakpoint of the first server based on the context after completing the switching.

9. An electronic device, comprising:

a processor; and

a storage, configured to store instructions that can be executed by the processor, wherein

the processor runs the executable instructions to implement the following steps:

after determining to perform primary-secondary switching of a copy, recording a context of a database transaction that is currently being executed; and

sending the context to a second server, and switching a primary copy stored in a first server to a secondary copy, so that the second server continues execution of the database transaction from an execution breakpoint of the first server based on the context after switching a secondary copy stored in the second server to a primary copy.

10. An electronic device, comprising:

a processor; and

a storage, configured to store instructions that can be executed by the processor, wherein

the processor runs the executable instructions to implement the following steps:

obtaining a context of a database transaction sent by a first server; and

continuing execution of the database transaction from an execution breakpoint of the first server based on the context after switching a secondary copy stored in a second server to a primary copy.

11. A computer-readable storage medium, wherein the computer-readable storage medium stores computer instructions, and when the instructions are executed by a processor, the following steps are implemented:

after determining to perform primary-secondary switching of a copy, recording a context of a database transaction that is currently being executed; and

sending the context to a second server, and switching a primary copy stored in a first server to a secondary copy, so that the second server continues execution of the

database transaction from an execution breakpoint of the first server based on the context after switching a secondary copy stored in the second server to a primary copy.

12. A computer-readable storage medium, wherein the computer-readable storage medium stores computer instructions, and when the instructions are executed by a processor, the following steps are implemented:

obtaining a context of a database transaction sent by a first server; and

continuing execution of the database transaction from an execution breakpoint of the first server based on the context after switching a secondary copy stored in a second server to a primary copy.