

WHAT IS CLAIMED IS:

1. A transaction processing method performed using a transaction management and execution server (201), an Online Transaction Processing, OLTP, server (202) and an Online Analytical Processing, OLAP, server (203), the method comprising:

obtaining (301), by the transaction management and execution server (201), at least two statements of a first transaction;

determining (302), by the transaction management and execution server (201), a type of each of the at least two statements, wherein the at least two statements comprises a first-type statement and a second-type statement;

sending (302, 401), by the transaction management and execution server (201), the first-type statement to the OLTP server (202), so that the OLTP server (202) generates (404) an execution plan corresponding to the first-type statement; wherein the execution plan corresponding to the first-type statement comprises: only execution content corresponding to the first-type statement, or execution content and a storage node, corresponding to the first-type statement;

sending (302, 402), by the transaction management and execution server (201), the second-type statement to the OLAP server (203), so that the OLAP server (203) generates an initial execution plan corresponding to the second-type statement and sends the initial execution plan corresponding to the second-type statement to the OLTP server (202); wherein the initial execution plan corresponding to the second-type statement comprises execution content corresponding to the second-type statement;

receiving, by the transaction management and execution server (201), the execution plan corresponding to the first-type statement and execution plan corresponding to the second-type statement sent (303, 405) by the OLTP server (202); wherein the execution plan corresponding to the second-type statement is generated by the OLTP server (202) according to the initial execution plan corresponding to the second-type statement; wherein the execution plan corresponding to the second-type statement comprises the execution content and a storage node corresponding to the second-type statement; and

processing (304, 409), by the transaction management and execution server (201), the first transaction according to the execution plan corresponding to the first-type statement and the execution plan corresponding to the second-type statement.

2. The method according to claim 1, wherein said processing (304, 409), by the transaction management and execution server (201), the first transaction, comprises:

starting, by the transaction management and execution server (201), the first transaction and allocating a scheduler corresponding to the first transaction according to the execution plan corresponding to the first-type statement and the execution plan corresponding to the second-type statement; and

processing, by the transaction management and execution server (201), the first transaction through the scheduler corresponding to the first transaction according to the execution plan corresponding to the first-type statement and the execution plan corresponding to the second-type statement.

3. The method according to claim 1 or 2, wherein said processing (304, 409), by the transaction management and execution server (201), the first transaction, comprises:

when the execution plan corresponding to the first-type statement comprises only execution content corresponding to the first-type statement, processing, by the transaction management and execution server (201), the first transaction according to the execution content corresponding to the first-type statement; and when the execution plan corresponding to the first-type statement comprises the execution content and the storage node corresponding to the first-type statement, accessing, by the transaction management and execution server (201), the storage node corresponding to the first-type statement according to the execution content corresponding to the first-type statement; and

accessing, by the transaction management and execution server (201), the storage node corresponding to the second-type statement according to the execution content corresponding to the second-type statement.

4. A transaction management and execution server (201), comprising:

a memory (1202) configured to store a software program;

a processor (1201) configured to read the software program in the memory (1202) and perform the transaction processing method of any one of claims 1-3.

5. A non-transitory computer readable storage medium, storing computer instructions which cause a computer to perform the transaction processing method of any one of claims 1 to 3.