

CLAIMS

What is claimed is:

1. A service execution method, comprising:

5 receiving, by a service device of a second-type blockchain network, a service request sent by a user, the service request comprising a transaction hash of a first-type blockchain transaction and a network identifier of a first-type blockchain network, wherein the first-type blockchain transaction is stored on the first-type blockchain network;

10 generating, by the service device of the second-type blockchain network and based on the transaction hash of the first-type blockchain transaction, a second-type blockchain transaction, the second-type blockchain transaction comprising the transaction hash and the network identifier of the first type blockchain network that were included with the service request;

15 storing, by the service device of the second-type blockchain network, the generated second-type blockchain transaction on the second-type blockchain network;

retrieving, by the service device of the second-type blockchain network and based on the network identifier of the first-type blockchain network, the first-type blockchain transaction corresponding to the transaction hash from the first-type blockchain network;

20 performing, by the service device of the second-type blockchain network, data analysis on the first-type blockchain transaction in a blockchain of each first-type blockchain network of at least two first-type blockchain networks, the at least two first-type blockchain networks comprising the first-type blockchain network;

25 based at least on performing the data analysis, determining, by the service device of the second-type blockchain network and based on a predetermined data analysis model and the service request, a service execution policy that matches the service request; and

executing, by the service device of the second-type blockchain network, a service for the service request based on the service execution policy.

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2. The method according to claim 1, wherein each node in the second-type blockchain network is managed by a designated manager.

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

generating, by the service device of the second-type blockchain network, another second-type blockchain transaction containing the service execution policy; and

5 broadcasting, by the service device of the second-type blockchain network, the another second-type blockchain transaction containing the service execution policy to other nodes in the second-type blockchain network, wherein one or more nodes in the second-type blockchain network write the another second-type blockchain transaction containing the service execution policy into a blockchain on the second-type blockchain
10 network based on a consensus algorithm.

4. The method according to claim 1,

wherein the method further comprises the following:

determining, by the service device of the second-type blockchain network, a
15 service execution result;

generating, by the service device of the second-type blockchain network, another second-type blockchain transaction containing the service execution result; and

broadcasting, by the service device of the second-type blockchain network, the another second-type blockchain transaction containing the service execution result to
20 other nodes in the second-type blockchain network, wherein one or more nodes in the second-type blockchain network write the another second-type blockchain transaction containing the service execution result into a blockchain on the second-type blockchain network based on a consensus algorithm.

25 5. The method according to claim 1, wherein:

when data to be stored is submitted to a third-type blockchain network, the third-type blockchain network writes a third-type blockchain transaction containing the data to be stored into a blockchain of the third-type blockchain network, and sends a transaction hash of the third-type blockchain transaction containing the data to be stored
30 to the second-type blockchain network, wherein the second-type blockchain network writes a second-type blockchain transaction containing the transaction hash and a network identifier of the third-type blockchain network into a blockchain on the second-type blockchain network.

6. A non-transitory, computer-readable medium storing one or more instructions executable by a computer system and cause the computer system to perform the method according to any one of claims 1 to 5.

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7. A computer-implemented system, comprising:
one or more computers; and

one or more computer memory devices interoperably coupled with the one or more computers and having tangible, non-transitory, machine-readable media storing one or
10 more instructions that, when executed by the one or more computers, cause the one or more computers to perform the method according to any one of claims 1 to 5.

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