

CLAIMS

What is claimed is:

1. A computer-implemented method, comprising:

5 receiving, by a data computing node, a data computing call application from a second data terminal, wherein the data computing call application comprises a query index for target service event data, the query index being formatted according to a storage method for storing service event data;

receiving, by the data computing node, encrypted data computing logic from the second data terminal;

10 obtaining, by the data computing node, the target service event data from a first data terminal based on pointers of the query index, an existence of the target service event data in a data index table indicating that the target service event data is service event data authorized by the first data terminal;

15 running, by the data computing node, the encrypted data computing logic corresponding to the data computing call application, the encrypted data computing logic comprising one or more rules for execution on the target service event data, wherein the data computing node is locally deployed in the first data terminal;

20 obtaining, by the data computing node, an encrypted computing result by performing data computing based on the target service event data, wherein the encrypted data computing logic and the encrypted computing result remain encrypted to the first data terminal;

obtaining, by the first data terminal, evidence of output of the data computing node; and

25 sending, by the data computing node, the encrypted computing result to a second data terminal, the data computing call application having been sent by the second data terminal,

30 wherein the method is an insurance claim settlement data processing method, the data computing node is a claim settlement computing node, the first data terminal is a service data party's terminal, the second data terminal is a claim settlement service party's terminal, the data computing logic is a claim settlement computing logic, the

data computing call application is a claim settlement computing call application, and the computing result is a claim settlement result.

2. The computer-implemented method of claim 1, wherein:

5 the data computing node is connected to the first data terminal in a local communication mode; and

 the data computing node is connected to the second data terminal in an external communication mode.

10 3. The computer-implemented method of claim 2, wherein the data computing logic is transmitted by the second data terminal in the external communication mode to the data computing node for deployment.

4. The computer-implemented method of claim 3, wherein:

15 the encrypted data computing logic is transmitted by the second data terminal through encryption in the external communication mode to the data computing node for encrypted deployment; and

 running, by the data computing node, encrypted data computing logic corresponding to the data computing call application, and obtaining a computing result

20 by performing data computing based on the target service event data comprises:

 running encrypted data computing logic corresponding to the data computing call application; and

 performing encrypted data computing logic based on the target service event data to obtain an encrypted computing result.

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5. The computer-implemented method of claim 1, wherein the data computing call application further comprises a logic identifier corresponding to at least one encrypted data computing logic.

30 6. The computer-implemented method of claim 2, wherein:

 the data computing node stores a service event data set authorized by the first data terminal;

the service event data set is transmitted by the first data terminal to the data computing node in the local communication mode; and

obtaining the target service event data from the first data terminal based on the query index comprises:

5 obtaining, based on the query index, the target service event data from the service event data set stored in the data computing node.

7. The computer-implemented method of claim 2, wherein:

10 the data computing node stores a data index table corresponding to a service event data set authorized by the first data terminal; and

obtaining the target service event data from the first data terminal based on the query index comprises:

15 determining, based on the query index and the data index table, that the target service event data belongs to a service event data set authorized by the first data terminal; and

obtaining, based on the query index, the target service event data from the service event data set stored in the first data terminal.

20 8. A non-transitory, computer-readable medium storing one or more instructions executable by a computer system to perform operations comprising:

receiving, by a data computing node, a data computing call application from a second data terminal, wherein the data computing call application comprises a query index for target service event data, the query index being formatted according to a storage method for storing service event data;

25 receiving, by the data computing node, encrypted data computing logic from the second data terminal;

obtaining, by the data computing node, the target service event data from a first data terminal based on pointers of the query index, an existence of the target service event data in a data index table indicating that the target service event data is service event data authorized by the first data terminal;

30 running, by the data computing node, the encrypted data computing logic corresponding to the data computing call application, the encrypted data computing

logic comprising one or more rules for execution on the target service event data, wherein the data computing node is locally deployed in the first data terminal;

obtaining, by the data computing node, an encrypted computing result by performing data computing based on the target service event data, wherein the encrypted data computing logic and the encrypted computing result remain encrypted to the first data terminal;

obtaining, by the first data terminal, evidence of output of the data computing node; and

sending, by the data computing node, the encrypted computing result to a second data terminal, the data computing call application having been sent by the second data terminal,

wherein the operations relate to an insurance claim settlement data processing method, the data computing node is a claim settlement computing node, the first data terminal is a service data party's terminal, the second data terminal is a claim settlement service party's terminal, the data computing logic is a claim settlement computing logic, the data computing call application is a claim settlement computing call application, and the computing result is a claim settlement result.

9. The non-transitory, computer-readable medium of claim 8, wherein the data computing logic is transmitted by the second data terminal in an external communication mode to the data computing node for deployment.

10. The non-transitory, computer-readable medium of claim 9, wherein:

the encrypted data computing logic is transmitted by the second data terminal through encryption in the external communication mode to the data computing node for encrypted deployment; and

running encrypted data computing logic corresponding to the data computing call application, and obtaining an encrypted computing result by performing data computing based on the target service event data comprises:

running encrypted data computing logic corresponding to the data computing call application; and

performing encrypted data computing logic based on the target service event data to obtain an encrypted computing result.

11. The non-transitory, computer-readable medium of claim 8, wherein the data computing call application further comprises a logic identifier corresponding to a at least one encrypted data computing logic.

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12. The non-transitory, computer-readable medium of claim 8, wherein:

the data computing node stores a service event data set authorized by the first data terminal;

the service event data set is transmitted by the first data terminal to the data
10 computing node in a local communication mode; and

obtaining the target service event data from the first data terminal based on the query index comprises:

obtaining, based on the query index, the target service event data from the service event data set stored in the data computing node.

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13. The non-transitory, computer-readable medium of claim 8, wherein:

the data computing node stores a data index table corresponding to a service event data set authorized by the first data terminal; and

obtaining the target service event data from the first data terminal based on the
20 query index comprises:

determining, based on the query index and the data index table, that the target service event data belongs to a service event data set authorized by the first data terminal; and

obtaining, based on the query index, the target service event data from
25 the service event data set stored in the first data terminal.

14. A computer-implemented system, comprising:

one or more computers; and

one or more computer memory devices interoperably coupled with the one or
30 more computers and having tangible, non-transitory, machine-readable media storing one or more instructions that, when executed by the one or more computers, perform one or more operations comprising:

receiving, by a data computing node, a data computing call application from a second data terminal, wherein the data computing call application comprises a query index for target service event data, the query index being formatted according to a storage method for storing service event data;

5 receiving, by the data computing node, encrypted data computing logic from the second data terminal;

obtaining, by the data computing node, the target service event data from a first data terminal based on pointers of the query index, an existence of the target service event data in a data index table indicating that the target service event data is service event data authorized by the first data terminal;

10 running, by the data computing node, the encrypted data computing logic corresponding to the data computing call application, the encrypted data computing logic comprising one or more rules for execution on the target service event data, wherein the data computing node is locally deployed in the first data terminal;

15 obtaining, by the data computing node, an encrypted computing result by performing data computing based on the target service event data, wherein the encrypted data computing logic and the encrypted computing result remain encrypted to the first data terminal;

20 obtaining, by the first data terminal, evidence of output of the data computing node; and

sending, by the data computing node, the encrypted computing result to a second data terminal, the data computing call application having been sent by the second data terminal,

25 wherein the operations relate to an insurance claim settlement data processing method, the data computing node is a claim settlement computing node, the first data terminal is a service data party's terminal, the second data terminal is a claim settlement service party's terminal, the data computing logic is a claim settlement computing logic, the data computing call application is a claim settlement computing call application, and the computing result is a claim settlement result.

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15. The computer-implemented system of claim 14, wherein:

the data computing node is connected to the first data terminal in a local communication mode; and

the data computing node is connected to the second data terminal in an external communication mode.

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16. The computer-implemented system of claim 15, wherein the data computing logic is transmitted by the second data terminal in the external communication mode to the data computing node for deployment.

10 17. The computer-implemented system of claim 16, wherein:

the encrypted data computing logic is transmitted by the second data terminal through encryption in the external communication mode to the data computing node for encrypted deployment; and

15 running encrypted data computing logic corresponding to the data computing call application, and obtaining an encrypted computing result by performing data computing based on the target service event data comprises:

running encrypted data computing logic corresponding to the data computing call application; and

20 performing encrypted data computing logic based on the target service event data to obtain an encrypted computing result.

18. The computer-implemented system of claim 14, wherein the data computing call application further comprises a logic identifier corresponding to a at least one encrypted data computing logic.

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19. The computer-implemented system of claim 15, wherein:

the data computing node stores a service event data set authorized by the first data terminal;

30 the service event data is transmitted by the first data terminal to the data computing node in the local communication mode; and

obtaining the target service event data from the first data terminal based on the query index comprises:

obtaining, based on the query index, the target service event data from the service event data set stored in the data computing node.

20. The computer-implemented system of claim 15, wherein:

5 the data computing node stores a data index table corresponding to a service event data set authorized by the first data terminal; and

 obtaining the target service event data from the first data terminal based on the query index comprises:

 determining, based on the query index and the data index table, that the
10 target service event data belongs to a service event data set authorized by the first data terminal; and

 obtaining, based on the query index, the target service event data from the service event data set stored in the first data terminal.