

CLAIMS

What is claimed is:

1. A data processing method, wherein the method is applied to a data processing system comprising a first data terminal, a second data terminal, and a data computing node; the data computing node is separately in communication connection with the first data terminal and the second data terminal; the data computing node is provided with at least one data computing logic; and the method comprises the following:
- receiving, by the data computing node
1. A computer-implemented method, comprising:
- receiving, by a data computing node, a data computing call application sent by the 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;
- obtaining, by the data computing node, the target service event data from the 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;
- running a, by the data computing node, the encrypted data computing logic corresponding to the data computing call application, and 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 obtain a computing result the first data terminal;
- obtaining, by the first data terminal, evidence of output of the data computing node; and
- sending the, by the data computing node, the encrypted computing result to the second data terminal, the data computing call application having been sent by the second data terminal,

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 ~~according to~~ claim 1, 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.

3. The computer-implemented method ~~according to~~ 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 ~~according to~~ claim 3, 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

~~the running of a data computing logic corresponding to the data computing call application, and performing of data computing based on the target service event data to obtain a computing result comprises:~~

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

5. The computer-implemented method ~~according to any one of claims of claim 1 to 4,~~ wherein the data computing call application further comprises a logic identifier corresponding to ~~the~~ at least one encrypted data computing logic.

5 6. The computer-implemented method ~~according to any one of claims of claim 2 to 4,~~ 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 the local communication mode; and

~~the~~ obtaining ~~of~~ 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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7. The computer-implemented method ~~according to any one of claims claim 2 to 4,~~ wherein:-

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

20 ~~the~~ obtaining ~~of~~ 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, ~~whether~~ that the target service event data belongs to a service event data set authorized by the first data terminal; and

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

~~8. The method according to claim 1, wherein the data processing 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 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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9. ~~A data processing method, wherein the method is applied to a data processing system comprising a first data terminal, a second data terminal, and a data computing node; the data computing node is separately in communication connection with the first data terminal and the second data terminal; the data computing node is provided with at least one data computing logic; and the method comprises the following:~~
- 5 ~~sending, by the second data terminal, a data computing call application to the data computing node~~
8. A non-transitory, computer-readable medium storing one or more instructions executable by a computer system to perform operations comprising:
- 10 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; ~~and, the query index being formatted according to a storage method for storing service event data;~~
- 15 ~~receiving a computing result sent by the data computing node, wherein the computing result is obtained~~receiving, by the data computing node through, encrypted data computing logic from the second data terminal;
- 20 ~~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 and by running therein a data computing logic; and an index table indicating that the target service event data is obtained~~service event data authorized by the data computing node from first data terminal;
- 25 ~~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;~~
- 30 ~~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 based on the query index;~~
10. ~~The method according to claim 9, wherein the data computing node is connected to~~obtaining, by the first data terminal in a local communication mode,
evidence of output of the data computing node; and

~~sending, by the data computing node is connected to, the encrypted computing result to a second data terminal in an external communication mode, 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.~~

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~~9. The method according to non-transitory, computer-readable medium of claim 108, wherein the data computing logic is transmitted by the second data terminal in the an external communication mode to the data computing node for deployment.~~

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~~10. The method according to non-transitory, computer-readable medium of claim 119, 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~~

~~the computing result is an encrypted computing result obtained by the data computing node by running the encrypted data computing logic and corresponding to the data computing call application, and obtaining an encrypted computing result by performing data computing based on the target service event data.~~

~~13. The method according to any one of claims 9 to 12, wherein the data computing node is provided with multiple data computing logics, and the data computing call application further comprises a logic identifier corresponding to at least one of the multiple data computing logics.;~~

~~running encrypted 14. The method according to claim 9, wherein the data processing 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 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.

5 ~~15. A data processing apparatus, wherein the apparatus is applied to a data processing system comprising a first data terminal, a second data terminal, and a data computing node; the data computing node is separately in communication connection with the first data terminal and the second data terminal; the data computing node is provided with at least one data computing logic; and the apparatus comprises the following:~~

10 ~~a receiving unit, configured to receive a data computing call application sent by the second data terminal, wherein the data computing call application comprises a query index for target service event data;~~

~~an acquisition unit, configured to obtain the target service event data from the first data terminal based on the query index;~~

15 ~~a computing unit, configured to run a data computing logic corresponding to the data computing call application, and perform data computing based on the target service event data to obtain a computing result;~~
~~and~~

~~a sending unit, configured to send the computing result to the second data terminal.~~

20 ~~16. The apparatus according to claim 15, 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.~~

25 ~~17. The apparatus according to claim 16, wherein the data computing logic is transmitted by the second data terminal in the external communication mode to the data computing node for deployment.~~

~~18. The apparatus according to claim 17, wherein the 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~~

~~the computing unit is configured to:~~

~~run an~~performing encrypted data computing logic ~~corresponding to the data computing call application, and perform encrypted data computing~~ based on the target service event data to obtain an encrypted computing result.

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- 5 ~~11.~~ The ~~apparatus according to any one~~non-transitory, computer-readable medium of ~~claims 15 to 18~~claim 8, wherein the data computing call application further comprises a logic identifier corresponding to ~~the~~a at least one encrypted data computing logic.

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- 10 ~~12.~~ The ~~apparatus according to any one~~non-transitory, computer-readable medium of ~~claims 16 to 18~~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 computing node in ~~the~~a local communication mode; and

- 15 ~~the acquisition unit is configured to:~~

~~obtain~~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 ~~apparatus according to any one~~non-transitory, computer-readable medium of ~~claims 16 to 18~~claim 8, wherein-;

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

- 25 ~~the acquisition unit is configured to:~~

~~determine~~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, ~~whether~~that the target service event data belongs to a service event data set authorized by the first data terminal; and

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

~~14. 22. The apparatus according to claim 15, wherein the data processing apparatus is an insurance claim settlement data processing apparatus, 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 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.~~

~~23. A data processing apparatus, wherein the apparatus is applied to a data processing system comprising a first data terminal, a second data terminal, and a data computing node; the data computing node is separately in communication connection with the first data terminal and the second data terminal; the data computing node is provided with at least one data computing logic; and the apparatus comprises the following:~~

~~15 a sending unit, configured to send a data computing call application to the data computing node~~
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 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;~~and~~

~~25 a receiving unit, configured to receive a computing result sent by the data computing node, wherein the computing result is obtained by the data computing node through data computing based on the target, the query index being formatted according to a storage method for storing service event data and by running the data computing logic; and the target service event data is obtained by the data computing node from the first data terminal based on the query index;~~

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;

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.

15. 24. The apparatus according to claim 23, wherein 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 ~~apparatus according to~~computer-implemented system of claim ~~24~~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.

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17. The ~~apparatus according to~~computer-implemented system of claim ~~25~~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

10 ~~the computing result is an encrypted computing result obtained by the data computing node by~~ running the 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:

15 27running 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.

18. The ~~apparatus according to any one~~computer-implemented system of ~~claims 23 to~~
20 ~~26~~claim 14, wherein the data computing ~~node is provided with multiple data computing logics, and the data computing~~ call application further comprises a logic identifier corresponding to a at least one ~~of the multiple encrypted~~ data computing ~~logics~~logic.

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19. The ~~apparatus according to~~computer-implemented system of claim ~~23~~15, wherein
25 ~~the data processing method is an insurance claim settlement data processing method,;~~
the data computing node ~~is~~stores a ~~claim settlement computing node,~~service event data set authorized by the first data terminal ~~is a;~~

the service event data ~~party's~~is transmitted by the first data terminal, ~~the second~~
to the data computing node in the local communication mode; and
30 obtaining the target service event data from the first data terminal ~~is a claim settlement service party's terminal, the~~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 logic is a claim settlement node.

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

the data computing logic, the data computing call application is a claim settlement computing call application, and the computing result is a claim settlement result; node stores a data index table corresponding to a service event data set authorized by the first data terminal; and

10 ~~29. A computer device, comprising a memory and a processor, wherein the memory stores a computer program that can be executed by the processor; and the processor executes the computer program to perform the method according to any one of claims 1 to 8.~~

15 ~~30. A computer device, comprising a memory and a processor, wherein the memory stores a computer program that can be executed by the processor; and the processor executes the computer program to perform the method according to any one of claims 9 to 14.~~

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

20 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.