WHAT IS CLAIMED IS:

1. A method for processing location-based service data, applied to a blockchain, comprising:

receiving a location service request sent by an IoT terminal, wherein the location service request comprises a real address of the IoT terminal, location information, a type of the location service request, and a location service provider;

replacing the real address of the IoT terminal in the location service request with a temporary address using a smart contract, and sending a replaced location service request to the location service provider;

receiving a location service response sent by the location service provider, wherein the location service response comprises the temporary address, and response information generated by the location service provider based on the location information and the type of the location service request; and

replacing the temporary address in the location service response with the real address using the smart contract, and sending a replaced location service response to the IoT terminal.

2. The method for processing location-based service data according to claim 1,

wherein replacing the real address of the IoT terminal in the location service request with the temporary address using the smart contract comprises: selecting a temporary address in an on-chain address pool using the smart contract, to replace the real address of the IoT terminal in the location service request with the temporary address, and recording correspondence between the real address and the temporary address in the smart contract; and ~~correspondingly,~~

wherein replacing the temporary address in the location service response with the real address using the smart contract comprises: replacing the temporary address in the location service response with the real address based on the correspondence recorded in the smart contract.

3. The method for processing location-based service data according to claim 2,

wherein selecting a temporary address in the on-chain address pool using the smart contract, to replace the real address of the IoT terminal in the location service request with the temporary address comprises: selecting a temporary address that is in a not-in-use state in the on-chain address pool using the smart contract, replacing the real address of the IoT terminal in the location service request with the temporary address, and updating the state of the temporary address to an in-use state; and ~~correspondingly,~~

wherein after replacing the temporary address in the location service response with the real address based on the correspondence recorded in the smart contract, the method further comprises: updating the state of the temporary address to the not-in-use state.

4. The method for processing location-based service data according to claim 2,

wherein after replacing the real address of the IoT terminal in the location service request with the temporary address, the method further comprises: deleting the temporary address from the on-chain address pool; and ~~correspondingly,~~

wherein after replacing the temporary address in the location service response with the real address based on the correspondence recorded in the smart contract, the method further comprises: adding the temporary address back to the on-chain address pool.

5. The method for processing location-based service data according to claim 1, wherein the blockchain comprises a service node corresponding to the location service provider, and

wherein sending the replaced location service request to the location service provider comprises: sending the replaced location service request to the location service provider through a corresponding service node; and

wherein receiving the location service response sent by the location service provider comprises: receiving the location service response sent by the location service provider through the corresponding service node.

6. The method for processing location-based service data according to claim 5, wherein the blockchain further comprises a supervision node corresponding to a supervisory department, and

wherein after receiving the location service request sent by the IoT terminal, the method further comprises: sending the location service request to the supervision node; and

wherein after receiving the location service response sent by the location service provider, the method further comprises: sending the location service response to the supervision node.

7. The method for processing location-based service data according to claim 1, wherein the location service provider comprises an operating system.

8. The method for processing location-based service data according to claim 5, wherein the service node adopts a minimum data storage scheme.

9. The method for processing location-based service data according to claim 6, wherein the supervision node adopts a full data storage scheme.

10. The method for processing location-based service data according to claim 1, wherein the type of the location service request comprises weather information corresponding to the location information.

11. The method for processing location-based service data according to claim 7, wherein the operating system comprises IOS or Android.~~8. An apparatus for processing location-based service data, applied to a blockchain, comprising:~~

~~a first reception module configured to receive a location service request sent by an IoT terminal, wherein the location service request comprises a real address of the IoT terminal, location information, a type of the location service request, and a location service provider;~~

~~a first replacement module configured to replace the real address of the IoT terminal in the location service request with a temporary address using a smart contract, and send a replaced location service request to the location service provider;~~

a second reception module configured to receive a location service response sent by the location service provider, wherein the location service response comprises the temporary address, and response information generated by the location service provider based on the location information and the type of the location service request; and

a second replacement module configured to replace the temporary address in the location service response with the real address using the smart contract, and send a replaced location service response to the IoT terminal.

9. The apparatus for processing location-based service data according to claim 8,

wherein the first replacement module comprises:

a first replacement unit configured to select a temporary address in an on-chain address pool using the smart contract, to replace the real address of the IoT terminal in the location service request with the temporary address;

a recording unit configured to record correspondence between the real address and the temporary address in the smart contract; and

a first sending unit configured to send the replaced location service request to the location service provider; and correspondingly,

wherein the second replacement module comprises:

a second replacement unit configured to replace the temporary address in the location service response with the real address based on the correspondence recorded in the smart contract; and

a second sending unit configured to send the replaced location service response to the IoT terminal.

10. The apparatus for processing location-based service data according to claim 9,

wherein the first replacement unit is specifically configured to select a temporary address that is in a not-in-use state in the on-chain address pool using the smart contract, replace the

real address of the IoT terminal in the location service request with the temporary address, and update the state of the temporary address to an in-use state; and correspondingly,

wherein the second replacement module further comprises: an updating unit configured to update the state of the temporary address to the not-in-use state.

11. The apparatus for processing location-based service data according to claim 9,

wherein the first replacement module further comprises: a deleting unit configured to delete the temporary address from the on-chain address pool; and correspondingly,

wherein the second replacement module further comprises: an adding unit configured to add the temporary address back to the on-chain address pool.

12. The apparatus for processing location-based service data according to claim 8, wherein the blockchain comprises a service node corresponding to the location service provider, and

wherein the first replacement module is specifically configured to replace the real address of the IoT terminal in the location service request with the temporary address using the smart contract, and send the replaced location service request to the location service provider through a corresponding service node; and

wherein the second reception module is specifically configured to receive the location service response sent by the location service provider through the corresponding service node.

13. The apparatus for processing location-based service data according to claim 12, wherein the blockchain further comprises a supervision node corresponding to a supervisory department, and the apparatus further comprises:

a first sending module configured to send the location service request to the supervision node after receiving the location service request sent by the IoT terminal; and

a second sending module configured to send the location service response to the supervision node after receiving the location service response sent by the location service provider.

~~14. The apparatus for processing location-based service data according to claim 8, wherein the location service provider comprises an operating system.~~

~~15~~12. An electronic device, comprising:

a memory for storing a computer program; and

a processor for executing the computer program, wherein ~~steps of the method for processing location-based service data according to any of claims 1 to 7 are performed when the computer program is executed by~~ the processor is configured to:

receive a location service request sent by an IoT terminal, wherein the location service request comprises a real address of the IoT terminal, location information, a type of the location service request, and a location service provider;

replace the real address of the IoT terminal in the location service request with a temporary address using a smart contract, and send a replaced location service request to the location service provider;

receive a location service response sent by the location service provider, wherein the location service response comprises the temporary address, and response information generated by the location service provider based on the location information and the type of the location service request; and

replace the temporary address in the location service response with the real address using the smart contract, and send a replaced location service response to the IoT terminal.

13. The electronic device according to claim 12,

wherein the processor is further configured to: select a temporary address in an on-chain address pool using the smart contract, to replace the real address of the IoT terminal in the location service request with the temporary address, and record correspondence between the real address and the temporary address in the smart contract; and

wherein the processor is further configured to replace the temporary address in the location service response with the real address based on the correspondence recorded in the smart contract.

14. The electronic device according to claim 13,

wherein the processor is further configured to: select a temporary address that is in a not-in-use state in the on-chain address pool using the smart contract, replace the real address of the IoT terminal in the location service request with the temporary address, and update the state of the temporary address to an in-use state; and

wherein the processor is further configured to update the state of the temporary address to the not-in-use state.

15. The electronic device according to claim 13,

wherein the processor is further configured to delete the temporary address from the on-chain address pool; and

wherein the processor is further configured to add the temporary address back to the on-chain address pool.

16. The electronic device according to claim 12, wherein the blockchain comprises a service node corresponding to the location service provider, and

wherein the processor is further configured to send the replaced location service request to the location service provider through a corresponding service node; and

wherein the processor is further configured to receive the location service response sent by the location service provider through the corresponding service node.

17. The electronic device according to claim 16, wherein the blockchain further comprises a supervision node corresponding to a supervisory department, and

wherein the processor is further configured to send the location service request to the supervision node; and

wherein the processor is further configured to send the location service response to the supervision node.

18. The electronic device according to claim 12, wherein the location service provider comprises an operating system.

~~16~~19. A non-temporary computer-readable storage medium having a computer program stored thereon, which when executed by a processor, cause steps of the method for processing location-based service data according to any of claims 1 to ~~7~~11 to be performed.