What is claimed is:

1. A client live keeping method, performed by a terminal device, comprising:

receiving, based on a client being switched to a background, a second request comprising state information of a target state of the client at a current time and a target live keeping duration corresponding to the target state;

transmitting the second request to a terminal server;

receiving, from the terminal server in response to the second request, target information indicating live keeping information of the target state; and

determining whether to perform live keeping on the target state based on the target information.

2. The method according to claim 1, wherein the target information comprises a live keeping strategy, and the live keeping strategy comprises a live keepable condition corresponding to a plurality of live keepable first preset states of the client; and

determining whether to perform the live keeping on the target state based on the target information comprises:

determining whether to perform live keeping on the target state based on the state information of the target state and the live keepable condition corresponding to the plurality of live keepable first preset states of the client.

3. The method according to claim 2, wherein the live keepable condition corresponding to a first preset state comprises a resource value needed by the terminal device to perform live keeping on the first preset state, and determining whether to perform the live keeping on the target state based on the state information of the target state and the live keepable condition corresponding to the plurality of live keepable first preset states of the client comprises:

determining whether the target state is the first preset state based on the state information of the target state;

obtaining an idle resource value of the terminal device of the current time, based on determining that the target state is the first preset state; and

determining whether to perform the live keeping on the target state based on the idle resource value of the terminal device and the resource value needed by the terminal device to perform the live keeping on the target state.

4. The method according to claim 3, wherein determining whether to perform the live keeping on the target state based on the idle resource value of the terminal device and the resource value needed by the terminal device to perform the live keeping on the target state comprises:

determining to perform the live keeping on the target state based on the resource value needed by the terminal device to perform the live keeping on the target state being less than a preset resource value and the idle resource value of the terminal device being greater than or equal to a prediction resource value; or

otherwise, determining to skip performing the live keeping on the target state; and

wherein the prediction resource value is a minimum resource value needed and predicted for running a front-end program at a next time.

5. The method according to claim 4, further comprising:

stopping performing the live keeping on the target state based on detection that the idle resource value of the terminal device at the next time, with performing the live keeping on the target state, is less than the prediction resource value.

6. The method according to claim 4, further comprising:

stopping performing the live keeping on the target state based on detection that a target live keeping duration corresponding to the target state is reached when the terminal device performs the live keeping on the target state.

7. The method according to claim 1, wherein the target information comprises a live keeping result of the target state, the live keeping result is obtained through calculation by the terminal server; and determining whether to perform the live keeping on the target state based on the target information comprises:

determining to perform the live keeping on the target state based on the live keeping result indicating to perform the live keeping; and

determining to skip performing the live keeping on the target state based on the live keeping result indicating to skip the live keeping.

8. The method according to claim 1, wherein it is determined to perform the live keeping on the target state, and the method further comprises:

receiving, from the terminal server, a first live keeping stop indication and stopping performing the live keeping on the target state based on the first live keeping stop indication, the first live keeping stop indication being sent based on detection of the terminal server that an idle resource value of the terminal device at a next time is less than a prediction resource value.

9. The method according to claim 7, wherein it is determined to perform the live keeping on the target state, the method further comprises:

receiving, from the terminal server, a second live keeping stop indication and stopping performing the live keeping on the target state based on the second live keeping stop indication, the second live keeping stop indication being sent based on detection of the terminal server that the target live keeping duration corresponding to the target state is reached.

10. The method according to claim 1, wherein before receiving the second request from the client, the method further comprises:

receiving a third request from the client and determining whether the terminal device has a live keeping function according to the third request;

transmitting the third request to the terminal server based on the terminal device having the live keeping function;

receiving a first response from the terminal server in response to the third request, the first response indicating that the client is a permissible client; and

transmitting a second response to the client based on the first response, the second

response indicating that the terminal device has the live keeping function.

11. A client live keeping method, performed by a terminal server, comprising:

receiving a second request from a terminal device, the second request comprising state information of a target state of a client at a current time and a target live keeping duration corresponding to the target state;

determining whether the target state is permissible according to at least one of the state information of the target state or the target live keeping duration of the target state; and

transmitting target information to the terminal device based on determining that the target state is permissible, the target information indicating live keeping information of the target state, and the target information causing the terminal device to determine whether to perform live keeping on the target state according to the target information.

12. The method according to claim 11, wherein determining whether the target state is permissible according to at least one of the state information of the target state or the target live keeping duration of the target state comprises:

determining that the target state is impermissible based on determining that the target live keeping duration corresponding to the target state is greater than a first preset duration.

13. The method according to claim 11, wherein determining whether the target state is permissible according to at least one of the state information of the target state or the target live keeping duration of the target state comprises:

obtaining historical live keeping request information corresponding to the client at a historical time according to the state information of the target state; and

determining whether the target state is permissible based on the historical live keeping request information corresponding to the client.

14. The method according to claim 13, wherein determining whether the target state is permissible based on the historical live keeping request information corresponding to the

client comprises:

determining state information that requests live keeping in the historical live keeping request information;

determining a number of states that request live keeping by the client in a historical time period based on the state information that requests live keeping in the historical live keeping request information; and

determining that the target state is impermissible based on the number of states that request live keeping in the historical time period being greater than a first preset value.

15. The method according to claim 13, wherein the determining whether the target state is permissible based on the historical live keeping request information corresponding to the client comprises:

determining live keeping duration information requested in the historical live keeping request information;

determining a number of states with a requested live keeping duration greater than a second preset duration based on the live keeping duration information requested in the historical live keeping request information; and

determining that the target state is impermissible based on the number of states with the requested live keeping duration greater than the second preset duration exceeding a second preset value.

16. The method according to claim 11, wherein before transmitting the target information to the terminal device, the method further comprises:

obtaining a live keeping strategy, the live keeping strategy comprising a live keepable condition corresponding to a plurality of live keepable first preset states of the client; and

generating the target information based on the live keepable condition in the live keeping strategy.

17. The method according to claim 16, wherein the target information comprises a live

keeping result of the target state, and generating the target information based on the live keepable condition in the live keeping strategy comprises:

determining the live keeping result of the target state based on the state information of the target state and the live keepable condition corresponding to the plurality of live keepable first preset states of the client.

18. The method according to claim 17, wherein the live keepable condition corresponding to a first preset state comprises a resource value required by the terminal device to keep the first preset state alive, and

determining the live keeping result of the target state based on the state information of the target state and the live keepable condition corresponding to the plurality of live keepable first preset states of the client comprises:

determining whether the target state is the first preset state according to the state information of the target state;

obtaining an idle resource value of the terminal device of the current time in response to determining that the target state is the first preset state; and

determining the live keeping result of the target state based on the idle resource value of the terminal device and a resource value needed by the terminal device to perform the live keeping on the target state.

19. The method according to claim 18, wherein determining the live keeping result of the target state based on the idle resource value of the terminal device and the resource value needed by the terminal device to perform the live keeping on the target state comprises:

determining that the live keeping result of the target state is live keeping based on the resource value needed by the terminal device to perform the live keeping on the target state being less than a preset resource value and the idle resource value of the terminal device being greater than or equal to a prediction resource value;

otherwise, determining that the live keeping result of the target state is skipping live keeping; wherein the prediction resource value is a minimum resource value needed and predicted by the terminal device for running a front-end program at a next time.

20. The method according to claim 19, further comprising:

transmitting a first live keeping stop indication to the terminal device based on detection that the idle resource value of the terminal device at the next time, with performing the live keeping on the target state, is less than the prediction resource value.

21. The method according to claim 19, further comprising:

transmitting a second live keeping stop indication to the terminal device based on detection that a target live keeping duration corresponding to the target state is reached when the terminal device performs the live keeping on the target state.

22. The method according to claim 11, wherein before receiving the second request from the terminal device, the method further comprises:

receiving a third request from the terminal device, the third request indicating that the terminal device has a live keeping function, and the third request comprising identification information of the client;

determining whether the client is a permissible client according to the identification information of the client; and

transmitting a first response to the terminal device in response to determining that the client is the permissible client, the first response indicating that the client is the permissible client.

23. A client live keeping method, performed by a client, comprising:

obtaining state information of a target state of the client at a current time based on the client being switched to a background;

transmitting a first request to a client server, the first request comprising the state information of the target state;

receiving a target live keeping duration corresponding to the state information of the target state in the first request from the client server; and

transmitting a second request to the terminal device, the second request comprising the state information of the target state and a target live keeping duration corresponding to the target state, the second request instructing the terminal device to transmit the second request to a terminal server, and determining whether to perform live keeping on the target state according to target information received from the terminal server, and the target information indicating live keeping information of the target state.

24. The method according to claim 23, wherein before obtaining the state information of the target state of the client at the current time, the method further comprises:

transmitting a third request to the terminal device, the third request determining whether the terminal device has a live keeping function; and

receiving a second response from the terminal device, the second response indicating that the terminal device has the live keeping function.

25. The method according to claim 23, wherein when a type of the target state is actively switching to the background, the method further comprises:

retransmitting the first request to the client server based on determining that the target live keeping duration corresponding to the target state is reached and the client does not enter a next state of the target state.

26. A client live keeping method, performed by a client server, comprising:

receiving, based on a client being switched to a background, a first request, the first request comprising state information of a target state of the client at a current time;

determining a target live keeping duration corresponding to the target state according to the state information of the target state; and

transmitting the target live keeping duration corresponding to the target state to the client, the target live keeping duration causing a terminal device running the client to transmit a second request to a terminal server, the second request comprising the state information of the target state and the target live keeping duration, and causing the terminal device to determine whether to perform live keeping on the target state based on target information after receiving

~~the target information from the terminal server, the target information indicating the live keeping information of the target state.~~

~~27. The method according to claim 26, wherein determining the target live keeping duration corresponding to the target state according to the state information of the target state comprises:~~

~~determining a type of the target state based on the state information of the target state; and~~

~~determining the target live keeping duration corresponding to the target state based on the type of the target state.~~

~~28. The method according to claim 27, wherein when the type of the target state is passively switching to the background, determining the target live keeping duration corresponding to the target state based on the type of the target state comprises:~~

~~determining a target operation causing the client to be switched to the background at the current time;~~

~~obtaining historical data of the target operation; and~~

~~determining the target live keeping duration corresponding to the target state based on a duration cost by executing the target operation in the historical data.~~

~~29. The method according to claim 27, wherein when the type of the target state is actively switching to the background, determining the target live keeping duration corresponding to the target state based on the type of the target state comprises:~~

~~determining a next state of the target state;~~

~~obtaining a time interval for the client to enter the next state of the target state from the target state; and~~

~~determining the target live keeping duration corresponding to the target state according to the time interval for the client to enter the next state of the target state from the target state.~~

~~30. The method according to any one of claims 26 to 29, wherein before determining the target live keeping duration corresponding to the target state based on the state information of the target state, the method further comprises:~~

~~determining whether the target state is a preset live keepable state according to the state information of the target state; and~~

~~determining the target live keeping duration corresponding to the target state based on the state information of the target state comprises:~~

~~determining the target live keeping duration corresponding to the target state based on the state information of the target state in response to determining that the target state is the preset live keepable state.~~

~~31. The method according to claim 26, wherein when the client server stores a preset correspondence, and the preset correspondence comprises a live keeping duration corresponding to a plurality of live keepable second preset states of the client, determining the target live keeping duration corresponding to the target state according to the state information of the target state comprises:~~

~~determining whether the target state is a second preset state according to the state information of the target state and the preset correspondence; and~~

~~searching a target live keeping duration corresponding to the target state from the preset correspondence based on determining that the target state is the second preset state.~~

~~32~~20. A client live keeping apparatus, performed by a terminal device, comprising: a receiving unit, a transmitting unit, and a processing unit; wherein

the receiving unit is configured to receive, based on a client being switched to a background, a second request comprising state information of a target state of the client at a current time and a target live keeping duration corresponding to the target state;

the transmitting unit is configured to transmit the second request to a terminal server;

the receiving unit is further configured to receive, from the terminal server in response to the second request, target information indicating live keeping information of the target state; and

the processing unit is configured to determine whether to perform live keeping on the target state based on the target information n.

~~33. A client live keeping apparatus, performed by a terminal server, comprising:~~

~~a receiving unit, configured to receive a second request from a terminal device, the second request comprising state information of a target state of a client at a current time and a target live keeping duration corresponding to the target state;~~

~~a processing unit, configured to determine whether the target state is permissible according to at least one of the state information of the target state or the target live keeping duration of the target state; and~~

~~a transmitting unit, configured to transmit target information to the terminal device based on determining that the target state is permissible, the target information indicating live keeping information of the target state, and the target information causing the terminal device to determine whether to perform live keeping on the target state according to the target information.~~

~~34. A client live keeping apparatus, performed by a client, comprising:~~

~~a processing unit, configured to obtain state information of a target state of the client at a current time based on the client being switched to a background;~~

~~a transmitting unit, configured to transmit a first request to a client server, the first request comprising the state information of the target state; and~~

~~a receiving unit, configured to receive a target live keeping duration corresponding to the state information of the target state in the first request from the client server;~~

~~wherein the transmitting unit is further configured to transmit a second request to the terminal device, the second request comprising the state information of the target state and the target live keeping duration corresponding to the target state, the second request instructing the terminal device to transmit the second request to a terminal server, and determining whether to perform live keeping on the target state according to target information received from the terminal server, and the target information indicating live keeping information of the target state.~~

35. A client live keeping apparatus, applied to a client server, comprising:

a receiving unit, configured to receive, based on a client being switched to a background, a first request, the first request comprising state information of a target state of the client at a current time;

a processing unit, configured to determine a target live keeping duration corresponding to the target state according to the state information of the target state; and

a transmitting unit, configured to transmit the target live keeping duration corresponding to the target state to the client, the target live keeping duration causing a terminal device running the client to transmit a second request to a terminal server, the second request comprising the state information of the target state and the target live keeping duration, and causing the terminal device to determine whether to perform live keeping on the target state based on target information after receiving the target information from the terminal server, the target information indicating the live keeping information of the target state.

36. An electronic device, comprising a memory and one or more processors, the memory storing computer-readable instructions, and the computer-readable instructions, when executed by the processor, causing the one or more processors to perform operations of the method according to any one of claims 1 to 31.

37. One or more non-transitory readable storage media storing computer-readable instructions, the computer-readable instructions, when executed by one or more processors, causing the one or more processors to perform operations of the method according to any one of claims 1 to 31.