Claims

What is claimed is:

1. A service request authentication method, the method comprising:

receiving a service request;

determining whether the service request comes from a gateway;

upon determining that the service request comes from the gateway,

establishing a session based on the service request,

generating a token corresponding to the session in which the service request is located,

storing the generated token in a session storage area corresponding to the session,

determining the session in which the service request is located,

determining whether the token corresponding to the determined session exists, the token corresponding to the session in which the service request is located, and

determining whether an authentication of the service request is passed; and

upon determining that the service request does not come from the gateway,

determining a session in which the service request is located,

determining whether a token corresponding to the determined session exists, the token corresponding to the session in which the service request is located, and

determining whether an authentication of the service request is passed.

2. The method of claim 1, further comprising:

determining that the token corresponding to the determined session exists; and

determining that the authentication of the service request is passed.

3. The method of claim 1, further comprising:

determining that the token corresponding to the determined session does not exist; and

determining that the authentication of the service request fails.

4. The method of claim 1, further comprising copying the token stored in the session storage area into a link address carried by the service request after the generated token is stored in the session storage area corresponding to the session.

5. The method of claim 4, wherein determining whether the token corresponding to the determined session exists includes determining whether the token corresponding to the determined session exists in the link address when the token corresponding to the determined session does not exist in the session.

6. The method of claim 5, further comprising copying the token in the link address into the session in response to determining that the token corresponding to the determined session exists in the link address.

7. The method of claim 1, further comprising determining that the service request comprises a service request to be authenticated prior to determining whether the token corresponding to the determined session exists.

8. A service request authentication apparatus, comprising:

one or more processors; and

memory coupled to the one or more processors, the memory storing a plurality of executable modules by the one or more processors, the plurality of executable modules comprising:

a receiving module configured to receive a service request;

a judgment module configured to determine whether the service request comes from a gateway;

a token generation module configured to generate a token corresponding to a session in which the service request is located upon determining, by the judgment module, that the service request comes from the

gateway;

a first determination module configured to determine the session in which the service request is located;

the judgment module further configured to determine whether the token corresponding to the determined session exists, the token corresponding to the session in which the service request is located;

an authentication module configured to determine whether an authentication of the service request is passed; and

upon determining that the service request does not come from the gateway, one or more of the plurality of executable modules configured to:

determine a session in which the service request is located,

determine whether a token corresponding to the determined session exists, the token corresponding to the session in which the service request is located, and

determine whether an authentication of the service request is passed.

9. The service request authentication apparatus of claim 8, wherein the authentication module is further configured to determine that the authentication of the service request is passed in response to determining that the token corresponding to the determined session exists.

10. The service request authentication apparatus of claim 8, wherein the authentication module is further configured to determine that the authentication of the service request fails in response to determining that the token corresponding to the determined session does not exist.

11. The apparatus of claim 8, wherein the plurality of executable modules further comprises a storage module configured to store the generated token in a session storage area corresponding to the session after the token corresponding to the session is generated.

12. The apparatus of claim 11, wherein the plurality of executable modules further comprises a first copy module configured to copy the token stored in the session storage area into a link address carried by the service request when the received service request comprises a service request of a particular type.

13. The apparatus of claim 12, wherein the judgment module is further configured to determine whether the token corresponding to the determined session exists in the link address when the token corresponding to the determined session does not exist in the session storage area.

14. The apparatus of claim 13, wherein the plurality of executable modules further comprises a second copy module configured to copy the token in the link address into the session in response to the judgment module determining that the token corresponding to the determined session exists in the link address.

15. One or more computer-readable media storing executable instructions that, when executed by one or more processors, cause the one or more processors to perform acts comprising:

receiving a service request;

determining whether the service request comes from a gateway;

upon determining that the service request comes from the gateway,

establishing a session based on the service request;

generating a token corresponding to the session in which the service request is located,

storing the generated token in a session storage area corresponding to the session,

determining a session in which the service request is located;

determining whether the token corresponding to the determined session exists, the token corresponding to the session in which the service request

is located, and

determining whether an authentication of the service request is passed; and

upon determining that the service request does not come from the gateway,

determining a session in which the service request is located,

determining whether a token corresponding to the determined session exists, the token corresponding to the session in which the service request is located, and

determining whether an authentication of the service request is passed.

16. The one or more computer-readable media of claim 15, the acts further comprising:

determining that the authentication of the service request is passed in response to determining that the token corresponding to the determined session exists; or

determining that the authentication of the service request fails in response to determining that the token corresponding to the determined session does not exist.

17. The one or more computer-readable media of claim 15, the acts further comprising:

copying the token stored in the session storage area into a link address carried by the service request after the generated token is stored in the session storage area corresponding to the session.

18. The one or more computer-readable media of claim 17, wherein determining whether the token corresponding to the determined session exists includes determining whether the token corresponding to the determined session exists in the link address when the token corresponding to the determined session does not exist in the session.