

CLAIMS

1. A visitor authorization management method, comprising:

obtaining an authorization object identifier and an authorization operation information corresponding to the authorization object identifier, and correspondingly caching the authorization operation information according to the authorization object identifier;

retrieving a current latest authorization operation information corresponding to the authorization object identifier from a cache, and determining a reference time based on an authorization time in the current latest authorization operation information; and

when a current time reaches and/or passes a beginning of a preset time period having the reference time as an end, performing an authorization operation according to the current latest authorization operation information and the authorization object identifier; wherein

determining the reference time based on the authorization time in the current latest authorization operation information comprises:

detecting whether the authorization object identifier has a valid-state authorization time; and

adopting the authorization time in the current latest authorization operation information as the reference time when the authorization object identifier does not have the valid-state authorization time; and wherein

detecting whether the authorization object identifier has the corresponding valid-state authorization time comprises:

detecting whether the authorization operation information corresponding to the authorization object identifier has a success authorization flag;

if the authorization operation information does not have the success authorization flag, determining that the authorization object identifier does not have the corresponding valid-state authorization time;

if the authorization operation information has the success authorization flag, detecting whether the authorization operation information having the success authorization flag has expired;

if the authorization operation information having the success authorization flag has expired, determining that the authorization object identifier does not have the corresponding valid-state authorization time; and

if the authorization operation information having the success authorization flag has not expired, determining that the authorization object identifier has the corresponding valid-state authorization time.

2. The visitor authorization management method of claim 1, after the detecting whether the authorization object identifier has the valid-state authorization time, further comprising:

when the authorization object identifier has the valid-state authorization time, obtaining the valid-state authorization time corresponding to the authorization object identifier; and

when the authorization time in the current latest authorization operation information is earlier than the valid-state authorization time, adopting the authorization time in the current latest

authorization operation information as the reference time.

3. The visitor authorization management method of claim 2 further comprising:

adopting the valid-state authorization time as the reference time when the authorization time in the current latest authorization operation information is later than the valid-state authorization time.

4. A visitor authorization management apparatus, comprising:

a cache module configured to obtain an authorization object identifier and an authorization operation information corresponding to the authorization object identifier, and correspondingly cache the authorization operation information according to the authorization object identifier;

a reference time determination module configured to retrieve a current latest authorization operation information corresponding to the authorization object identifier from the cache module and determining a reference time based on an authorization time in the current latest authorization operation information; and

an authorization processing module configured to perform an authorization operation according to the current latest authorization operation information and the authorization object identifier when a current time reaches and/or passes a beginning of a preset time period having the reference time as an end;

wherein the reference time determination module is further configured to detect whether

the authorization object identifier has a valid-state authorization time; and

when the authorization object identifier does not have the valid-state authorization time, the authorization time in the current latest authorization operation information is adopted as the reference time; and

wherein the reference time determination module further comprises:

a detection module for detecting whether the authorization operation information corresponding to the authorization object identifier has a success authorization flag; and

a determination module;

wherein, when the detection module detects no corresponding success authorization flag in the authorization operation information corresponding to the authorization object identifier, the determination module is configured to determine that the authorization object identifier does not have the valid-state authorization time;

wherein, when the detection module detects the success authorization flag in the authorization operation information corresponding to the authorization object identifier, the detection module is further configured to detect whether the authorization operation information with the success authorization flag has expired;

wherein, when the detection module detects that the authorization operation information with the success authorization flag has expired, the determination module is further configured to determine that the authorization object identifier does not have the corresponding valid-state authorization time; and

wherein, when the detection module detects that the authorization operation information with the success authorization flag has not expired, the determination module is further configured to determine that the authorization object identifier has the corresponding valid-state authorization time.

5. The visitor authorization management apparatus of claim 4, wherein the reference time determination module is also configured to obtain the valid-state authorization time when the authorization object identifier has the valid-state authorization time, and the reference time determination module is also configured to adopting the authorization time in the current latest authorization operation information as the reference time when the authorization time in the current latest authorization operation information is earlier than the valid-state authorization time.

6. The visitor authorization management apparatus of claim 5, wherein the reference time determination module is also configured to adopt the valid-state authorization time as the reference time when the authorization time in the current latest authorization operation information is later than the valid-state authorization time.

7. A terminal comprising a memory and a processor, the memory storing instructions; by executing the instructions, the processor being capable of performing:

obtaining an authorization object identifier and an authorization operation information corresponding to the authorization object identifier, and correspondingly caching the authorization operation information according to the authorization object identifier;

retrieving a current latest authorization operation information corresponding to the authorization object identifier from a cache, and determining a reference time based on an authorization time in the current latest authorization operation information; and

when a current time reaches and/or passes a beginning of a preset time period having the reference time as an end, performing an authorization operation according to the current latest authorization operation information and the authorization object identifier; wherein

determining the reference time based on the authorization time in the current latest authorization operation information performed by the processor comprises:

detecting whether the authorization object identifier has a valid-state authorization time; and

adopting the authorization time in the current latest authorization operation information as the reference time when the authorization object identifier does not have the valid-state authorization time; and wherein

detecting whether the authorization object identifier has the valid-state authorization time performed by the processor comprises:

detecting whether the authorization operation information corresponding to the

authorization object identifier has a success authorization flag;

if the authorization operation information does not have the success authorization flag, determining that the authorization object identifier does not have the corresponding valid-state authorization time;

if the authorization operation information has the success authorization flag, detecting whether the authorization operation information having the success authorization flag has expired;

if the authorization operation information having the success authorization flag has expired, determining that the authorization object identifier does not have the corresponding valid-state authorization time; and

if the authorization operation information having the success authorization flag has not expired, determining that the authorization object identifier has the corresponding valid-state authorization time.

8. The terminal of claim 7, wherein after the detecting whether the authorization object identifier has the valid-state authorization time, the processor further performs:

when the authorization object identifier has the valid-state authorization time, obtaining the valid-state authorization time of the authorization object identifier; and

when the authorization time in the current latest authorization operation information is

earlier than the valid-state authorization time, adopting the authorization time in the current latest authorization operation information as the reference time.

9. The terminal of claim 8, wherein the processor further performs:

adopting the valid-state authorization time as the reference time when the authorization time in the current latest authorization operation information is later than the valid-state authorization time.

10. A server, comprising a memory and a processor, the memory storing instructions; by executing the instructions, the processor being capable of performing:

obtaining an authorization object identifier and an authorization operation information corresponding to the authorization object identifier, and correspondingly caching the authorization operation information according to the authorization object identifier;

retrieving a current latest authorization operation information corresponding to the authorization object identifier from a cache, and determining a reference time based on an authorization time in the current latest authorization operation information; and

when a current time reaches and/or passes a beginning of a preset time period having the reference time as an end, performing an authorization operation according to the current latest authorization operation information and the authorization object identifier.

wherein

determining the reference time based on the authorization time in the current latest authorization operation information performed by the processor comprises:

detecting whether the authorization object identifier has a valid-state authorization time;
and

adopting the authorization time in the current latest authorization operation information as the reference time when the authorization object identifier does not have the valid-state authorization time; and wherein

detecting whether the authorization object identifier has the valid-state authorization time performed by the processor comprises:

detecting whether the authorization operation information corresponding to the authorization object identifier has a success authorization flag;

if the authorization operation information does not have the success authorization flag, determining that the authorization object identifier does not have the corresponding valid-state authorization time;

if the authorization operation information has the success authorization flag, detecting whether the authorization operation information having the success authorization flag has expired;

if the authorization operation information having the success authorization flag has expired, determining that the authorization object identifier does not have the corresponding valid-state authorization time; and

if the authorization operation information having the success authorization flag has not expired, determining that the authorization object identifier has the corresponding valid-state authorization time.

11. The server of claim 10, wherein after the detecting whether the authorization object identifier has the valid-state authorization time, the processor further performs:

when the authorization object identifier has the valid-state authorization time, obtaining the valid-state authorization time of the authorization object identifier; and

when the authorization time in the current latest authorization operation information is earlier than the valid-state authorization time, adopting the authorization time in the current latest authorization operation information as the reference time.

12. The server of claim 11, wherein the processor further performs:

adopting the valid-state authorization time as the reference time when the authorization time in the current latest authorization operation information is later than the valid-state authorization time.