

WHAT IS CLAIMED IS:

1 1. A method comprising:
2 receiving, by a computer from an access device, an authorization
3 request message comprising a token;
4 searching, by the computer, a supplemental database for updated
5 supplemental data corresponding to a real credential associated with the token, the
6 supplemental database storing the real credential, supplemental data, and the updated
7 supplemental data, wherein the updated supplemental data was provided to the
8 supplemental database in connection with authorization processing involving the real
9 credential, wherein the supplemental data comprises an expiration date and the
10 updated supplemental data comprises an updated expiration date;
11 receiving, by the computer, the updated supplemental data
12 associated with the real credential; and
13 transmitting, by the computer, an authorization response message
14 to the access device including the updated supplemental data and the token.

1 2. The method of claim 1, wherein the authorization response
2 message is a first authorization response message, the method further comprising:
3 receiving, by the supplemental database, the updated supplemental
4 data from a processor computer which received the updated supplemental data in ~~an a~~
5 second authorization response message from an authorizing computer.

1 3. The method of claim 1, wherein the computer is a token service
2 computer, ~~the request message is an authorization request message comprising a~~
3 ~~token, and the response message is an authorization response message comprising the~~
4 ~~token~~.

1 4. The method of claim ~~13~~, further comprising:
2 replacing the token in the authorization request message with the real
3 credential; and
4 replacing the real credential in the authorization response message with
5 the token and the updated supplemental data.

1 5. — The method of claim 1, wherein the request message is a token
2 request message comprising the real credential.

1 56. The method of claim 1, wherein searching, by the computer, the
2 supplemental database comprises continuously monitoring the supplemental database
3 for updates.

1 67. The method of claim 1, wherein the computer comprises a token
2 mapping database comprising data mapping the real credential to a token and the
3 supplemental data, and the method further comprises storing the updated supplemental
4 data to the token mapping database.

5 78. A system comprising:
6 a computer comprising:
7 a processor; and
8 a non-transitory computer-readable medium comprising code, executable
9 by the processor, to implement a method comprising:
10 receiving, by the computer from an access device, ~~a~~an authorization
11 request message comprising a token;
12 searching, by the computer, a supplemental database for updated
13 supplemental data corresponding to a real credential associated with the token, the
14 supplemental database storing the real credential, supplemental data, and the updated
15 supplemental data, wherein the updated supplemental data was provided to the
16 supplemental database in connection with authorization processing involving the real
17 credential, wherein the supplemental data comprises an expiration date and the
18 updated supplemental data comprises an updated expiration date;
19 receiving, by the computer, the updated supplemental data associated
20 with the real credential; and
21 transmitting, by the computer, ~~a~~an authorization response message to the
22 access device including the updated supplemental data and the token.

1 98. The system of claim 78, wherein the authorization response
2 message is a first authorization response message, the method further comprising:

3 receiving, by the supplemental database, the updated supplemental data
4 from a processor computer which received the updated supplemental data in ~~an a~~
5 second authorization response message from an authorizing computer.

6 ~~109.~~ The system of claim 78, wherein the computer is a token service
7 ~~computer, the request message is an authorization request message comprising a~~

8 token, and the response message is an authorization response message comprising the
9 token.

1 ~~11~~10. The system of claim ~~7~~10, the method further comprising:
2 replacing the token in the authorization request message with the real
3 credential; and
4 replacing the real credential in the authorization response message with
5 the token and the updated supplemental data.

1 ~~12~~. The system of claim ~~8~~, wherein the request message is a token
2 request message comprising the real credential.

3 ~~13~~11. The system of claim ~~7~~8, wherein searching, by the computer, the
4 supplemental database comprises continuously monitoring the supplemental database
5 for updates.

1 ~~12~~14. The system of claim ~~7~~8, wherein the computer comprises a token
2 mapping database comprising data mapping the real credential to a token and the
3 supplemental data, and the method further comprises storing the updated supplemental
4 data to the token mapping database.

1 ~~15~~13. A method comprising:
2 transmitting, by an access device to a computer, ~~a~~an authorization
3 request message comprising a token;
4 thereby causing the computer to generate an authorization response
5 message at least by: searching a supplemental database for updated supplemental
6 data corresponding to a real credential associated with the token, the supplemental
7 database storing the real credential, supplemental data, and the updated supplemental
8 data, wherein the updated supplemental data was provided to the supplemental
9 database in connection with authorization processing involving the real credential,
10 wherein the supplemental data comprises an expiration date and the updated
11 supplemental data comprises an updated expiration date, and wherein the computer
12 received the updated supplemental data associated with the real credential; and

13 responsive to transmitting the authorization request message, receiving,
14 by the access device, the authorization response message from the computer including
15 the updated supplemental data corresponding to the real credential and the token.

1 ~~14~~16. The method of claim ~~13~~15, wherein the authorization response
2 message is a first authorization response message, and wherein the supplemental
3 database receives the updated supplemental data from a processor computer which
4 received the updated supplemental data in ~~an~~ a second authorization response
5 message from an authorizing computer.

6 ~~17.~~ ~~The method of claim 15, wherein the request message is an~~
7 ~~authorization request message comprising a token.~~

1 ~~18.~~ ~~The method of claim 15, wherein the request message is a token~~
2 ~~request message comprising the real credential.~~

1 ~~19~~15. The method of claim ~~13~~15, wherein searching, by the computer, the
2 supplemental database comprises continuously monitoring the supplemental database
3 for updates.

1 ~~20~~16. The method of claim ~~13~~15, wherein the computer comprises a
2 token mapping database comprising data mapping the real credential to a token and the
3 supplemental data, and the method further comprises storing the updated supplemental
4 data to the token mapping database.

1 ~~17~~21. A system comprising:
2 an access device comprising:
3 a processor; and
4 a non-transitory computer-readable medium comprising code, executable
5 by the processor, to implement a method comprising:

6 transmitting, by the access device to a computer, ~~a~~ an authorization
7 request message comprising a token;

8 thereby causing the computer to generate ~~a~~ an authorization response
9 message at least by: searching a supplemental database for updated supplemental
10 data corresponding to a real credential associated with the token, the supplemental
11 database storing the real credential, supplemental data, and the updated supplemental
12 data, wherein the updated supplemental data was provided to the supplemental

13 database in connection with authorization processing involving the real credential,
14 wherein the supplemental data comprises an expiration date and the updated
15 supplemental data comprises an updated expiration date, and wherein the computer
16 received the updated supplemental data associated with the real credential; and

responsive to transmitting the authorization request message, receiving,
by the access device, the authorization response message from the computer including
the updated supplemental data corresponding to the real credential and the token.

1822. The system of claim 1721, wherein the authorization response
message is a first authorization response message, and wherein the supplemental
database receives the updated supplemental data from a processor computer which
received the updated supplemental data in ~~an~~ a second authorization response
message from an authorizing computer.

~~23. The system of claim 21, wherein the request message is an~~
~~authorization request message comprising a token. —~~

~~24. The system of claim 21, wherein the request message is a token~~
~~request message comprising the real credential. —~~

2519. The system of claim 2417, wherein searching, by the computer, the
supplemental database comprises continuously monitoring the supplemental database
for updates.