Claims

What is claimed is:

1. A method for authorizing access to a service for an end user, the method comprising:

receiving, by an enterprise application gateway server, an encrypted user request for access to ~~of~~ the service through an encrypted communication channel ~~by an enterprise application gateway server~~;

transmitting, by the enterprise application gateway server, information relating to the encrypted user request to an enterprise application management server;

associating, by the enterprise application management server, the encrypted user request with ~~a~~ at least one user identification ~~credentials~~ credential corresponding to the end user;

determining, by the enterprise application management server, whether the end user is permitted to access the requested service based at least in part ~~eligibility of the end user to access the service based~~ on the at least one user identification credential ~~end user~~ and the environment of access;

transmitting, by the enterprise application management server, information to the enterprise application gateway server indicating whether the end user is permitted to access the requested service; and

authorizing, by the enterprise application gateway server, the end user to use the requested service based on the information received from the enterprise application management server ~~eligibility~~.

2. The method of claim 1, wherein encryption of the user request is performed by:

invoking a one-time password generator using a personal identification number of the end user;

accessing a metadata by the one-time password generator, wherein a value is retrieved from the metadata to generate a dynamic key; and

converting the dynamic key to a symmetric encryption key.

3. The method of claim 1, further comprising:

enabling the user to register from an electronic device.

4. The method of claim 3, further comprises:

gathering the user identification credentials and an environment of access, wherein the user identification credentials and the environment of access comprises:

a device identifier;

a user authentication;

a client identification;

a type of data channel;

a plurality of peripheral devices;

a device information; and

a device configuration information.

5. The method of claim 4, further comprises:

storing the user identification credentials on an enterprise application management server.

6. The method of claim 5, further comprises:

enabling the enterprise application management server to communicate with the enterprise application management gateway.

7. The method of claim 2, further comprises:

converting the dynamic key to a symmetric decryption key.

8. The method of claim ~~1~~ 7 further comprising:

decrypting the encrypted user request by the enterprise application gateway server using the symmetric decryption key.

9. The method of claim 8 further comprises:

enabling the user to navigate an enterprise application server, wherein the enterprise application server comprises the service.

10. A system for authorizing access to service for an end user, the system comprising:

an enterprise application gateway server configured to (i) receive an encrypted user request for access to ~~of~~ the service through an encrypted communication channel from the end user, (ii) transmit information relating to the encrypted user request, and (iii) authorize the end user to access the requested service;

an enterprise application management server communicably coupled to the enterprise application gateway server, the enterprise application management server configured to (i) associate the encrypted user request with at least one user identification credential corresponding to an end user, (ii) determine whether the end user is permitted to access the requested service based at least in part on the at least one user identification credential and the environment, and (iii) transmit information to the enterprise application gateway server indicating whether the end user is permitted to access the requested service ~~authorize the end user to access the service~~; and

an enterprise application server communicably coupled with the enterprise application gateway server, wherein the enterprise application server comprises the services requested by the end user.

11. The system of claim 10, wherein the encrypted communication channel is a https session.

12. The system of claim 10, wherein the enterprise application gateway service is configured to receive the encrypted user request with a message header from the end user.

13. The system of claim 10, wherein the enterprise application management server is further configured to store and authenticate based on one or more of:

a device information;

a client identification;

a plurality of peripheral devices connected;

a type of data channel;

a user service access detail;

a device identifier; and

a device configuration information.

14. The system of claim 12, wherein the enterprise application gateway service is configured to send the message header to the enterprise application management server.

15. The system of claim 14, wherein the enterprise application management server is further configured to authorize permission to the end user based on the information present in the message header.

16. The system of claim 10, wherein the enterprise application gateway server further comprises a processor, wherein the processor is configured to perform the task of:

invoking a one-time password generator using a personal identification number of the end user;

accessing a metadata by the one-time password generator, wherein a value is retrieved from the metadata to generate a dynamic key; and

converting the dynamic key to a symmetric decryption key.

17. The system of claim 10, wherein the enterprise application gateway server is further configured to decrypt the encrypted user request and send the decrypted message to the enterprise application server.

18. The system of claim 10, wherein the enterprise application server is further configured to respond back with a service reply message to the enterprise application gateway server.

19. The system of claim 18, wherein the enterprise application gateway server is configured to receive the service reply message and append the message header to the service reply message.

20. The system of claim 19, wherein the enterprise application gateway server is further configured to send the service reply message with the message header to the end user.

21. The system of claim 20, wherein the enterprise application gateway server is further configured to encrypt the service reply message and send the encrypted service reply message to the end user.

22. A computer program product, comprising a machine-accessible medium having instructions encoded thereon for enabling a processor to perform the operations of:

program code adapted ~~for receiving~~ to cause an enterprise application gateway server to receive an encrypted user request for access to ~~of~~ the service through an encrypted communication channel ~~by an enterprise application gateway server~~;

program code adapted to cause the enterprise application gateway server to transmit information relating to the encrypted user request to an enterprise management server;

program code adapted ~~for associating~~ to cause the enterprise application management server to associate the encrypted user request with ~~a~~ at least one user identification ~~credentials~~ credential corresponding to the end user;

~~program code adapted for associating the encrypted user request with a user identification credentials;~~

program code adapted ~~for determining~~ to cause the enterprise application management server to determine whether the end user is permitted to access the requested service based at least in part on the at least one user identification credential and the environment of access ~~eligibility of the user to access the service~~; ~~and~~

program code adapted to cause the enterprise application management server to transmit information to the enterprise application gateway server indicating whether the end user is permitted to access the requested service; and

program code adapted ~~for authorizing~~ to cause the enterprise application gateway server to authorize the end user to use the requested service based on the information received from the enterprise application management server ~~eligibility~~.

23. The computer program product of claim 22, further comprising:

program code adapted for enabling the user to register on an electronic device.

24. The computer program product of claim 22, further comprising:

program code adapted for gathering the user identification credentials and an environment of access, wherein the user identification credentials and the environment access comprises:

a device identifier;

a user authentication;

a plurality of peripheral devices;

a client identification;

a type of data channel;

a device information; and

a device configuration information.

25. The computer program product of claim 24, further comprising:

program code adapted for storing the user identification credentials on an enterprise application management server.

26. The computer program product of claim 24, further comprising:

program code adapted for decrypting the encrypted user request by the enterprise application gateway server using ~~the~~ a symmetric decryption key.

27. The computer program product of claim 24, further comprising:

program code adapted for enabling the user to navigate an enterprise application server, wherein the enterprise application service comprises the service.

28. The method of claim 1, further comprising:

encrypting a service reply message and sending the encrypted service reply message to the end user.

29. The method of claim 1, wherein the step of authorizing includes receiving a reply message from at least one enterprise application server.

30. The method of claim 1, wherein the step of authorizing is accomplished by decrypting a message received from the enterprise application management server and transmitting the request to at least one enterprise application server.

31. The method of claim 1, wherein only partial access to the service can be authorized.

32. The system of claim 10, wherein authorizing includes receiving a reply message from at least one enterprise application server.

33. The system of claim 10, wherein the authorization is accomplished by decrypting a message received from the enterprise application management server and transmitting the request to at least one enterprise application server.

34. The system of claim 10, wherein only partial access to the service can be authorized.

35. The computer program product of claim 22, wherein authorizing includes receiving a reply message from at least one enterprise application server.

36. The computer program product of claim 22, wherein the authorization is accomplished by decrypting a message received from the enterprise application management server and transmitting the request to at least one enterprise application server.

37. The computer program product of claim 22, wherein only partial access to the service can be authorized.