

TIME RANDOMIZING INFORMATION PROTOCOL LANGUAGE ENCRYPTION

CLAIMS

1. A time randomizing interface protocol language encryption method, comprising:

 sending an invitation to communicate from a first device to a second device;

 in response to accepting the invitation, the first and second devices cooperating and generating a randomized language protocol from a data set array wherein the randomized language protocol comprises random object values and alphanumeric characters, and the randomized language protocol creates a unique language between the first device and the second device;

 assigning the random object values to the alphanumeric characters;

 generating an array of pointers in the data set array pointing from the assigned random object values to the alphanumeric characters;

 agreeing between the first device and the second device on the array of pointers pointing from the assigned random object values to the alphanumeric characters;

 receiving, from an input, a communication message at the first device;

 transforming the communication message into an encrypted message comprising the assigned random object values;

 transmitting the encrypted message to the second device;

at the second device, looking up the pointers in the data set array in response to a receipt of the transmitted encrypted message;

translating, using the randomized language protocol, the encrypted message into a decrypted version of the communication message;

resetting at random time intervals, the assignment of the random object values to the alphanumeric characters and generating a different version of the randomized language protocol during communications between the first device and the second device.

2. The method of claim 1, further comprising:

generating a pointer index value for each pointer pointing to an alphanumeric value;

and

during the step of translating the encrypted message, using the pointer index values to determine the alphanumeric values in the decrypted version of the communication message.

3. The method of claim 1, further comprising:

receiving a request to reset the randomized language protocol from the first device to the second device or from the second device to the first device; and

resetting the assignment of the random object values to the alphanumeric characters and generating the different version of the randomized language protocol in response to the request to reset the randomized protocol language.

4. The method of claim 1, wherein the communication message is speech-based and the method further comprises:

converting the speech-based communication message into text; and

transforming the text into the encrypted message comprising the assigned random object values.

5. The method of claim 1, wherein the pointers in the data set array are unique to a communication session between the first device and to the second device.

6. The method of claim 1, wherein the alphanumeric characters comprise a word, phrase, or sentence and the method further comprises:

generating a pointer and / or index value for each pointer pointing to the word, phrase, or sentence; and

during the step of translating the encrypted message, using the pointer index value and / or the unique pointer itself to determine the word, phrase, or sentence in the decrypted version of the communication message.

7. The method of claim 1, wherein the array of pointers pointing from the assigned random object values to the alphanumeric characters is stored in a cloud-based network accessed by the first device and the second device.
8. The method of claim 7, further comprising storing data blocks comprising portions of the seed data set array in random locations of the cloud-based network.
9. The method of claim 8, further comprising generating a pointer array comprising the random locations of the cloud-based network and the stored data blocks in the random locations.
10. The method of claim 9, further comprising:
 - downloading the pointer array comprising the random locations of the cloud-based network and the stored data blocks in the random locations; and
 - recombining stored data blocks from the seed data set array in response to the receipt of the transmitted encrypted message.
11. A computer program product for generating time randomizing interface protocol language encryption, the computer program product comprising:

one or more non-transitory computer readable storage media, and program instructions collectively stored on the one or more non-transitory computer readable storage media, the program instructions comprising:

sending an invitation to communicate from a first device to a second device;

in response to accepting the invitation, the first and second devices cooperating and generating a randomized language protocol from a data set array wherein the randomized language protocol comprises random object values and alphanumeric characters, and the randomized language protocol creates a unique language known only between the first device and to the second device;

assigning the random object values to the alphanumeric characters;

generating an array of pointers in the data set array pointing from the assigned random object values to the alphanumeric characters;

agreeing between the first device and the second device on the array of pointers pointing from the assigned random object values to the alphanumeric characters;

receiving, from user input, a communication message at the first device;

transforming the communication message into an encrypted message comprising the assigned random object values;

transmitting the encrypted message to the second device;

at the second device, looking up the pointers in the data set array in response to a receipt of the transmitted encrypted message;

translating, using the randomized language protocol, the encrypted message into a decrypted version of the communication message;

resetting at random time intervals, the assignment of the random object values to the alphanumeric characters and generating a different version of the randomized language protocol during communications between the first device and the second device.

12. The computer program product of claim 11, wherein the program instructions further comprise:

generating a pointer index value for each pointer pointing to an alphanumeric value or indexing through the array of pointers; and

during the step of translating the encrypted message, using the pointers and / or their index values to determine the alphanumeric values in the decrypted version of the communication message.

13. The computer program product of claim 11, wherein the program instructions further comprise:

receiving a request to reset the randomized protocol language from the first device to the second device or from the second device to the first device; and

resetting the assignment of random object values to alphanumeric characters and generating the different version of the randomized protocol language in response to the request to reset the randomized protocol language.

14. The computer program product of claim 11, wherein the communication message is speech-based and the program instructions further comprise:

converting the speech-based communication message into text; and

transforming the text into the encrypted message comprising the assigned random object values.

15. The computer program product of claim 11, wherein the seed data set array and the randomized language protocol are unique to a communication session between the first device and to the second device.

16. The computer program product of claim 11, wherein the alphanumeric characters comprise a word, phrase, or sentence and the program instructions further comprise:

generating a pointer index value for each pointer and / or indexing through the pointers array and pointing to the word, phrase, or sentence; and

during the step of translating the encrypted message, using the pointer index values and / or the pointers to determine the word, phrase, or sentence in the decrypted version of the communication message.

17. The computer program product of claim 11, wherein the array of pointers pointing from the assigned random object values to the alphanumeric characters is stored in a cloud-based network accessed by the first device and the second device.

18. The computer program product of claim 17, wherein the program instructions further comprise storing data blocks comprising portions of the seed data set array in random locations of the cloud-based network.

19. The computer program product of claim 18, wherein the program instructions further comprise generating a pointer array comprising the random locations of the cloud-based network and the stored data blocks in the random locations.

20. The computer program product of claim 19, wherein the program instructions further comprise:

downloading the pointer array comprising the random locations of the cloud-based network and the stored data blocks in the random locations; and

recombining stored data blocks from the seed data set array in response to the receipt of the transmitted encrypted message.