Abstract

SMS/Multimedia messages are one of the popular ways of communication. Sending an SMS/MMS is cheap, fast and simple. Because of mobile networks attack or smartphones hackers, the GSM networks are not secure, so that all information or SMS/MMS messages are vulnerable. This paper describes an android application that helps the user to encrypt the message (SMS/Multimedia files) before it is transmitted over the mobile network. The new idea of the program is to transmit encrypted messages and multimedia files via mobile networks or the internet as an alternative mean. To maintain intensive security, the program uses a Hybrid encryption algorithm based on Blowfish and S-Boxes of DES encryption. Moreover, it uses a private key encrypts the files and another private key encrypts file name. The transferring media is maintained online in the absence of mobile network coverage.

References

Implementation of a Hybrid Encryption Scheme for SMS/Multimedia Messages on Android

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Index Terms

Computer Science

Communications
Keywords
  Cryptography  Blowfish Encryption  Mobile System  SMS