Abstract

In this research, an Encryption algorithm are designed and implemented for transmitted data over a network and the program written by (c) language. Rivest-Shamir-Adleman (RSA) algorithm and International Data Encryption Algorithm (IDEA) are designed to be complex and highly confidential, where a combination of symmetric and asymmetric cryptographic algorithms is used. In addition, a special algorithm developed to generate the cryptographic key complexly and randomly, this made any data transmitted across the network, and encryption keys exchanged between network sides disobeyed for any attempt to reveal them and know their content. Thus, transmitted data will be secured across any network that use this algorithm.

References


**Index Terms**

Computer Science  
Security

**Keywords**

Encryption, Decryption, Symmetric Encryption, Asymmetric Encryption, RSA, IDEA