Abstract

In order to protect the data from the intruders powerful encryption algorithms with multiple keys has been used over the recent years. Once the encryption process has been done then there is a need to transmit it over the channel. The secured model has been examined on the basis of its design, mode of transmission of data and number of nodes. With increase in number of nodes, key length, number of keys and data length the model consume more power and takes more time to generate keys from the available data. Therefore in this paper a new approach has been proposed in which keys are generated, processed and distributed in the model by the help of S- Boxes in order to reduce the processing time. MATLAB 7.3 has been used to determine the processing and failure rate of various keys in multinode network.
Key distribution scheme for Multinode Network

Reference

Index Terms

Computer Science               Security

Key words

Shared segment protection mode

Multinode Network