Abstract

Network security measures are required to protect data during their transmission. Sensitive information transmitted across a network requires confidentiality. Data confidentiality is the protection of transmitted data from passive attacks. Passive attacks are eavesdropping or monitoring the traffic. The goal of the intruder is to obtain information being transmitted. These
attacks can be prevented by encryption. This paper proposes a simple grid based method for providing confidentiality to the data or the session key being transmitted. The sender and the receiver share a global secret key which is used for extracting the data from a grid.

Reference


Index Terms

Computer Science
Security

Key words

- encryption
- confidentiality
- grid based
- graphical passwords
passive attacks