Abstract

Today's large demand of internet applications requires data to be transmitted in a more secure way. The transmission of data in public communication system is not secure because of
been used throughout history. Audio steganography is the scheme of hiding the existence of secret information by suppressing it into another medium such as audio file. The first input is an audio/video files whose audio/video samples, which are used to suppress the hidden data. Whereas, the second input is a grammatically interception and improper manipulation by attacker. So the best solution for this problem is Steganography. Steganography is an effective method of hiding data that has correct text. Then it encodes the location of the random audio samples in the audio file. The proposed technique of modified F5 algorithm provides a secure way for data transmission that it is difficult for unauthorized user to detect the presence of and recover the secret data. It will also help in the transfer of the information from one machine to another machine.

References

- Adriansyah, Y. 2010 “Simple Audio Cryptography”, Bandung, Indonesia: Department of Informatics Engineering, Schools of Electronics and Informatics Engineering, Bandung Institute of Technology
- Patel, H. Dave, P. 2012, Steganography Technique Based on DCT Coefficients
- Jessica. Fridrich, Miroslav. Goljan, Dorin. Hoga, Steganalysis of JPEG Images:
Breaking the F5 Algorithm, Department of Electrical and Computer Engineering, SUNY Binghamton, NY 13902-6000, USA, 2011.

Index Terms

Computer Science

Security

Keywords

Steganography  Messaging  Secure Communication  Audio/video Files  Modified F5 Algorithm.