

A NOVEL SECURED MECHANISM FOR AUTHENTICATION COOKIE

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ABSTRACT

Steganography is the technique of concealing the very existence of information being sent. It is the art of hiding secret messages enveloped in an obscure way. Its results depend on the secrecy of the cover carrier. After the steganographic carrier is disclosed then the security depends on the robustness and complex logic of the algorithm and the cryptographic methods used. So, secrecy is achieved only when the algorithm is more robust against steganalysis. This paper discusses a novel secured mechanism for authentication cookie. The cookie message is first encrypted and then embedded. The resulting bits of the message after encryption will be hidden inside the selected segment of cover image. We introduce a new technique of incorporating bits in the colour image by using proposed COLOR LSB method. This improves security to our information which is embedded inside the image. This is the web technology which is also used in session management.

KEYWORDS: Steganography, LSB, Steganalysis, Cookie, Session Management, Image, Pixel, Segmentation