

Secure Network Communication Based on Text-to-Image Encryption

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ABSTRACT

Security becomes an important issue when secure or sensitive information is sent over a network where all computers are connected together. In such a network a computer is recognized by its IP address. Unfortunately, an IP address is attacked by hackers; this is where one host claims to have the IP address of another host and thus sends packets to a certain machine causing it to take some sort of action. In order to overcome this problem cryptography is used. In cryptographic application, the data sent are encrypted first at the source machine using an encryption key then the encrypted data are sent to the destination machine. This way the attacker will not have the encryption key which is required to get the original data and thus the hacker is unable to do anything with the session. In this paper, we propose a novel method for data encryption. Our method is based on private key encryption. We call our method Text-To-Image Encryption (TTIE).