Abstract

As the Computer System becomes popular for storing personal and precious data, need of data security goes its peak. For transmitting confidential information over the network, security is required so that it could not be accessed by illegitimate user. The database contains large amount of data that need to be secure. Cryptographic algorithms provide a way to secure data against the unauthorized access. Encryption is the process of encoding data so that its meaning is not obvious, decryption is reverse process that transform an encrypted massage
A Proposed Algorithm for Database Encryption and Decryption

back into original form. Encryption in database system is an important aspect for research, as efficient and secure algorithms are needed that provide the ability to query over encrypted database and allow optimized encryption and decryption of data. In this paper we observe an algorithm which encrypt and decrypt database over query fire quickly. This proposed algorithm will be simple and fast enough for most application which limits to the time and cost of encryption and decryption.

References


- Assessing performance of encrypted databases under query processing with the REA Algorithm Volume 2, Issue 1, January 2014, ISSN: 2321-7782.

Index Terms

Computer Science
Network Security
Keywords