Abstract

In the midst of the last decades, information security has become an important issue. Encryption and decryption of data have recently been universally researched and developed as there is a need for a secure encryption and decryption which is very difficult to break. Cryptography offers main functions to meet these demands. Today, researchers have proposed several encryption and decryption algorithms such as AES, DES, RSA, and others. But most of the proposed algorithms encountered some problems such as lack of robustness and significant amount of time taken in encryption/decryption of data residing on server in cloud to maintain the security in cloud. In this paper, the cloud security enhanced by EnDeCloudReports simulator tool is analyzed on various parameters and attacks which in turn enhance the data security in Cloud by making it difficult for attacker to predicate a pattern as well as speed of the encryption / decryption scheme.


Index Terms

Computer Science

Distributed Systems
Keywords

Encryption, Decryption, EnDeCloudReports, Cryptography Analysis, Algorithms