A Secured and Searchable Encryption Algorithm for Cloud Storage

Abstract

Cloud computing is a new generation technology which efficiently support the client oriented services. Now in these days there are a number of applications which consumes the cloud storage service for storing and retrieving information. In such conditions the data owner management and privacy preservation cryptographic techniques are utilized frequently. But due to cryptographic technique of security implementation the data leave their own format and converted into other unreadable format. Due to this retrieval of required information becomes complex. Therefore in this paper a proposed solution incorporate the hash table management and indexing techniques to keep track the actual data contents in terms of document features which may help for encrypting user data and identifying the user data and privacy.

References

A Secured and Searchable Encryption Algorithm for Cloud Storage

- Dongyoung Koo, Junbeom Hur, Hyunsoo Yoon, “Secure and efficient data retrieval over encrypted data using attribute-based encryption in cloud storage”, 2012 Elsevier Ltd. All rights reserved.
- Cryptography From Wikipedia, link: Cryptography%20-%20Wikipedia,%20the%20free%20encyclopedia. html, the free encyclopedia.
- Wang, li et al
- Secure Ranked Keyword Search over Encrypted Cloud Data
- Jyun-Yao et al
- A Searchable Encryption Scheme for Outsourcing Cloud Storage
- Ming li, yu et al
- Toward Privacy-Assured and Searchable Cloud Data Storage Services
- Wang, li et al
A Secured and Searchable Encryption Algorithm for Cloud Storage

- Privacy-Preserving Multi-keyword Ranked Search over Encrypted Cloud Data
- Wang, Yu et al
- Privacy-Preserving Multi-Keyword Fuzzy Search over Encrypted Data in the Cloud

Index Terms

Computer Science

Distributed Systems

Keywords

Cloud computing MD5 AES Cloud storage.