Abstract

Cloud computing otherwise known as on demand computing. It provides the services over the internet. It has the provision of facilitating users to store and access their data in and from cloud server by sitting anywhere and on any device. Storing data in cloud server also opens up so many security threats as data is accessed over internet and client has no direct control over data once uploaded into cloud server. We first implement a basic idea for the Single Keyword Search Over Encrypted Data And then Multi-keyword Ranked. Search over Encrypted cloud data (MRSE) based on secure inner product computation and efficient similarity measure of coordinate matching, i.e., as many matches as possible, in order to capture the relevance of data documents to the search query, then we give two significantly improved MRSE schemes to achieve various stringent privacy requirements in two different threat models. Assignment of anonymous ID to the user to provide more security to the data on cloud server is done. To improve the search experience of the data search service, further extension of the two schemes to support more Search semantics is done.[5]
Comparison of Privacy Preserving Single-Keyword Search and Multi-Keyword Ranked Search Techniques

References


Index Terms

Computer Science

Information Sciences

Keywords

Cloud computing, Encryption, Inner product similarity, Single Keyword Search, Multi-keyword search, ranking.