Abstract

Cloud computing uses internet and central remote servers to maintain data and applications. This allows much more efficient computing by centralizing storage, memory, procession and bandwidth. The data is stored in off-premises and accessing this data through keyword search. Traditional keyword search was based on plaintext keyword search. But for protecting data privacy the sensitive data should be encrypted before outsourcing. So there comes the importance of encrypted cloud data search. One of the most popular ways is selectively retrieve files through keyword-based search instead of retrieving all the encrypted files back. The data encryption also demands the preservation of keyword privacy since keywords usually contain important information related to the data files. So in order to improve adaptation of cloud computing, first ensure its security. Present methods are focusing on the fuzzy keyword search and which efficiently search and retrieve the data in most secure and privacy preserved manner. The existing system uses single fuzzy keyword searching mechanism. A conjunctive/sequence of keyword search mechanism will retrieve most efficient and relevant data files. The conjunctive/sequence of keyword search automatically generates ranked results so that the searching flexibility and efficiency will be improved.
Improving the Efficiency of Data Retrieval in Secure Cloud by Introducing Conjunction of Keywords

- C. Wang, N. Cao, J. Li, K. Ren, and W. Lou2010. Secure ranked key word search over encrypted cloud data,” in Proc. of ICDCS10.
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Index Terms

Computer Science
Cryptography

Keywords
Fuzzy keyword conjunction keyword sequence keyword edit distance wildcard method
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