A Secure Data Storage over Cloud using ABE (Attribute based Encryption) Approach

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Abstract

Cloud computing technology, its component and various storage strategies is emerging today. All Industries are moving towards cloud due to its fast and scalable in nature. Further a data sharing is possible in between the organization or in group of people. There is technique which uses encryption technique, data access control or verification of users data. Cloud computing technique emerges in its own technique to provide best effort and reliability to the user. Existing approaches used different key generation model for data storage. In this paper an enhance session creation technique is used which is providing the security assurance to the user. The experiment performed with both existing and proposed approach over user data upload. It is further observed that the proposed work outperform data access with less computation time and cost. It can further be used for real-time application without security compromise , as well as in mobile computing.

References
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Index Terms

Computer Science Security
Keywords

Cloud security, data encryption, auditing approach, virtualization, and data access.