Privacy Preserving and Effective User Revocation on Dynamic Groups using CP-ABE Scheme

Authors:
M. Sravani Kumari, K. Santhi, B. Tarakeswara Rao

Abstract

Now a days the importance of cloud computing emerge with many sectors in order to reduce economical Cost and improve the revenue with improving cloud service usability like IaaS, SaaS and PaaS services. In this connection when group users outsource their data to the cloud among the dynamic group no assurance about user privacy, data integrity due to lack of data leakage and modifications among group users, such a case user authenticity, user data privacy and user revocation is to be a challenging issue with this system, thus to address all above issues we proposed a novel framework i.e. CP-ABE based secure public auditing for protecting data integrity and authenticity without compromising security and authenticity and also for effective user revocation on dynamic group members.

References

1. S. Grance, “Draft NIST working definition of Data Server computing”.
2. C. Wang, Q. Wang, K. Ren, and W. Lou, “Towards Secure and Dependable Storage


Index Terms

Computer Science  Information Sciences

Keywords

CP-ABE Scheme, User Revocation, data integrity, Privacy.