Secure Multi-Owner Data Sharing for Dynamic Groups using Proxy-Signature in the Cloud

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Abstract

Cloud computing offers an economical and efficient solution for sharing data among the cloud users with low support without the weight of neighborhood data storing and upkeep. In any case, the administration of the data and services may not be completely dependable on the cloud, as users no longer have physical possession of the outsourced personal data so data integrity protection turns into a troublesome assignment. Keeping up the integrity of shared data services where data is shared among various cloud users is likewise a testing undertaking. This paper gives effective user revocation on multi-owner dynamic group sharing and for that it utilizes Homomorphic straight authenticator with random veiling procedure. Homomorphic authenticable proxy signature scheme with public auditing mechanism checks imparted data integrity along to efficient user revocation. Moreover, these systems can bolster clump inspecting by checking multiple evaluating errands at the same time.

References
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Index Terms

Computer Science Distributed Systems

Keywords

Proxy Server, privacy-preserving, public auditing, shared data, user revocation, cloud computing.