Abstract

Cloud computing is a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction. Cloud computing is a general term for the delivery of hosted services over the internet. Cloud computing enables companies to consume the resources and compute their utility rather than building and maintaining computing infrastructure. A cloud database is a database that has been optimized or built for a virtualized computing environment. Since these data-centers may be located in any part of the world beyond the reach and control of users, there are multifarious security and privacy challenges that need to be understood and addressed. Cloud has been prone to various security issues like storage, computation and attacks like Denial of service, Distributed Denial of Service, Eavesdropping, insecure authentication or logging etc. Privacy preservation is main security issue in public cloud. This paper proposed architecture for privacy preservation and traceability. The implementation results represent that our method is suitable for large organizations.
References

2. Indu Arora, Dr. Anu Gupta, "Cloud database: A paradigm shift in Databases" IJCI international journal, July 2012.
5. Luca Ferretti, Fabio Pierazzi, Michel Colajani and Micro Marchetti, “Performance and cost evaluation of an adaptive encryption architecture for cloud databases" IEEE transactions on cloud computing, vol 2, no. 2, April-June 2014.

Index Terms

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Information Sciences
Keywords

Cloud database, Security, Privacy Preservation, Auditing, Authentication, DaaS