

International Journal of Computer Science and Mobile Computing



A Monthly Journal of Computer Science and Information Technology

ISSN 2320-088X

IJCSMC, Vol. 3, Issue. 3, March 2014, pg.364 – 370

RESEARCH ARTICLE

SECURITY ANALYSIS OF DYNAMIC GROUPS IN CLOUD

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ABSTRACT

The technology of distributed data processing in which some scalable information resources and capacities are provided as a service to multiple external customers through Internet technology. Cloud computing can and does mean different things to different people. The common characteristics most share are on-demand scalability of highly available and reliable pooled computing resources, secure access to metered services from nearly anywhere, and dislocation of data from inside to outside the organization. While aspects of these characteristics have been realized to a certain extent, cloud computing remains a work in progress. This publication provides an overview of the security and privacy challenges pertinent to public cloud computing and points out considerations organizations should take when outsourcing data, applications, and infrastructure to a public cloud environment. Recent advances have given rise to the popularity and success of cloud computing. However, when outsourcing the data and business application to a third party causes the security and privacy issues to become a critical concern. In this paper I proposed a secure data sharing scheme for the dynamic groups in the cloud. Also we analyze the security and privacy of our scheme with the proofs, algorithms and techniques.

KEYWORDS: Cloud computing, data sharing, privacy-preserving, access control, dynamic groups

Full Text: <http://www.ijcsmc.com/docs/papers/March2014/V3I3201438.pdf>