Abstract

Cloud computing provides highly scalable services to be easily consumed over the internet on an as-needed basis. While cloud computing is expanding rapidly and used by many individuals and organizations internationally, data protection issues in the cloud have not been carefully addressed at current stage. Users' fear of confidential data leakage and loss of privacy in the cloud may become a significant barrier to the wide adoption of cloud services. In this paper, we explore a newly emerging problem of information leakage caused by indexing in the cloud. We design three-tier data protection architecture to accommodate various levels of privacy concerns by users.

References

- Giuseppe Ateniese, Randal Burns, Reza Curtmola, Joseph Herring, Lea Kissner, Zachary Peterson, and Dawn Song. Provable data possession at untrusted stores. In Proc, of
Implementation of Information Leakage Avoiding (ILA) Application in Cloud Computing


**Index Terms**

Computer Science Distributed Systems

**Keywords**